



# ANNUAL WATER QUALITY REPORT FY 2022-23



REGIONAL ADVANCE WATER TESTING LABORATORY



...eran, Punjab, Inc  
...d, Change



Department of  
Water Supply & Sanitation , Punjab





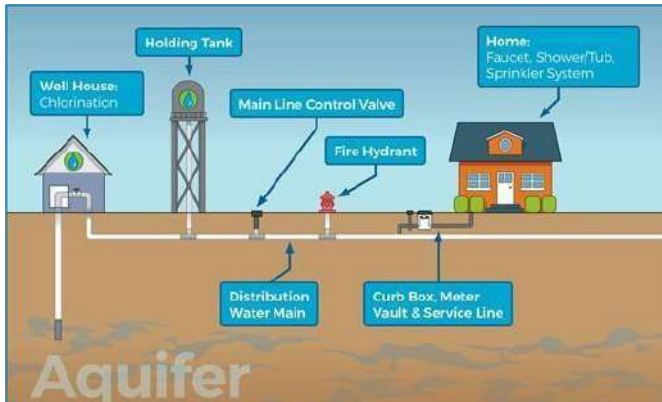
# 1 Introduction

The Department of Water Supply and Sanitation, Punjab is wholeheartedly working towards providing clean drinking water to both rural and urban areas of Punjab. The department has tapped both underground and surface water sources by implementing tube well-based and canal-based schemes throughout the state.

## ASSETS DEVELOPED BY THE DEPARTMENT OVER THE YEARS TO ENSURE POTABLE WATER ARE ILLUSTRATED BELOW:



### GROUND-WATER BASED SCHEMES



#### COMPONENTS

- SOURCE – TUBEWELL
- HOUSING - PUMP CHAMBER
- STORAGE – OHSR
- DISTRIBUTION SYSTEM – DI/ PVC PIPELINE
- CONTROL – SLUICE VALVES/ AIR VALVES

### CANAL- BASED SURFACE WATER SCHEMES



#### COMPONENTS

- SOURCE – CANAL TO INLET CHANNEL
- STORAGE AND SEDIMENTATION TANK
- SUCTION & SCOUR WELL AND PUMP CHAMBER
- HIGH LEVEL TANK
- SLOW SAND FILTER/ PRESSURE SAND FILTER
- CLEAR WATER TANK TO OHSR



Over a decade ago, the Department of Water Supply and Sanitation (DWSS) in Punjab decided to test for the presence of Uranium and heavy metals in the groundwater supplied to the rural population through various water supply schemes. This decision was prompted by news related to Uranium contamination in the Malwa belt.

In 2009, DWSS established 21 district-level and 8 block-level laboratories with basic parameter testing facilities. It's worth noting that one district-level laboratory at Patiala had been operational since 1963.

To conduct heavy metal testing, the department used to hire external laboratory services from organizations such as the Punjab Biotechnology Incubator and Bhabha Atomic Research Centre.

In 2015, the Department established the State Lab RAWTL at Mohali with technical guidance from the Bhabha Atomic Research Centre. The purpose was to

become autonomous and independent in conducting uranium and heavy metal testing. The laboratory is equipped with sophisticated scientific instruments such as the Inductively Coupled Plasma Mass Spectrophotometer (ICPMS) and Ion Chromatograph (IC).



**ION CHROMATOGRAPH (IC).**



**INDUCTIVELY COUPLED PLASMA MASS SPECTROPHOTOMETER (ICPMS)**

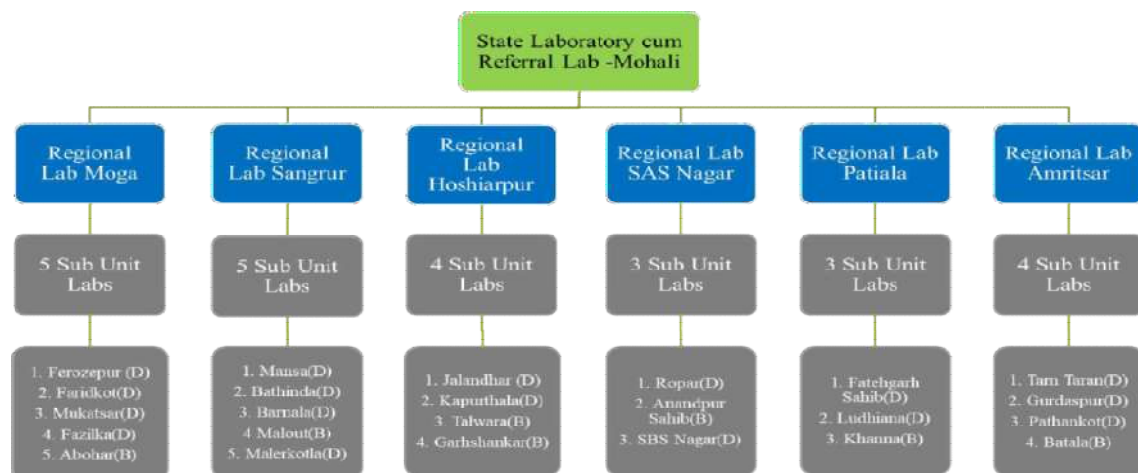
## 2 Water Quality Monitoring and Surveillance

To accommodate the sample testing workload, DWSS has strengthened its laboratory infrastructure by establishing a well-organized three-tier network of laboratories. This network includes a State Lab in Mohali that oversees and monitors 6 regional water testing labs located in Mohali, Patiala, Amritsar, Moga, Hoshiarpur, and Sangrur. These laboratories are further supported by 17 district-level and 7 block-level laboratories.

Arsenic being a Heavy Metal is primarily found in the Districts of Amritsar, Gurdaspur, and Taran Taran. Therefore considering the importance of regular testing in these areas, a Regional Lab with sophisticated equipment i.e. Inductively Coupled Plasma Mass Spectrophotometer (ICPMS) for heavy metals and Ion Chromatograph for testing of anion & cation has been set up in Amritsar also. Amritsar Regional Lab is also equipped to test basic chemical parameters, bacteriological parameters, heavy metals and wastewater parameters. It became operational in 2020. This lab is modeled after the construction of State Lab RAWTL in Mohali.

The Regional Lab in Patiala already had the capability to test some heavy metals such as Arsenic, Iron, and Lead, with the help of the Atomic Absorption Spectrophotometer (AAS). In 2020, a new Ion Chromatograph and a complete set of new equipment for testing basic chemical parameters, bacteriological parameters, and wastewater parameters were installed in the lab. In the fiscal year 2021-22, three new Regional Labs were established in Moga, Hoshiarpur, and Sangrur. These labs are equipped with new equipment for testing basic chemical parameters, area-specific parameters, bacteriological parameters, and wastewater parameters. DWSS has also strengthened 16 existing District Level and 7 Block level Labs by installing new and repairing existing equipment for 11 basic chemical parameters. Additionally, a new District lab has been established in Malerkotla in the same fiscal year.

### Laboratory Network



**REGIONAL ADVANCE WATER TESTING LABORATORY, SAS NAGAR**



**OUTER VIEW**



**INNER VIEW**



**SAMPLE RECEIVING AREA**



**SAMPLE CODING AREA**



**SAMPLE RETENTION AND PROCESSING AREA**

**1. ICP-MS SECTION**



**2. IC SECTION**



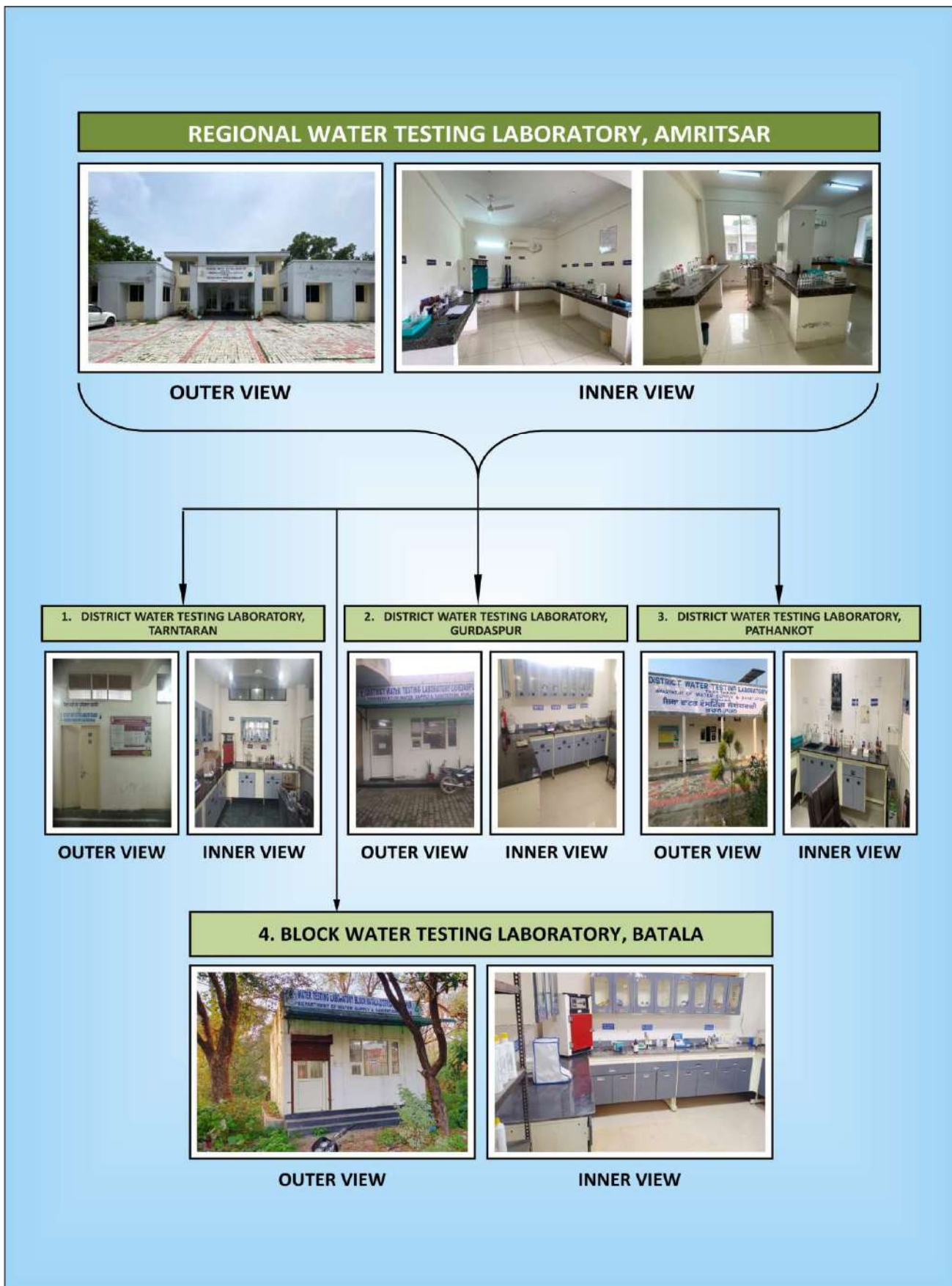
**3. CHEMICAL SECTION**

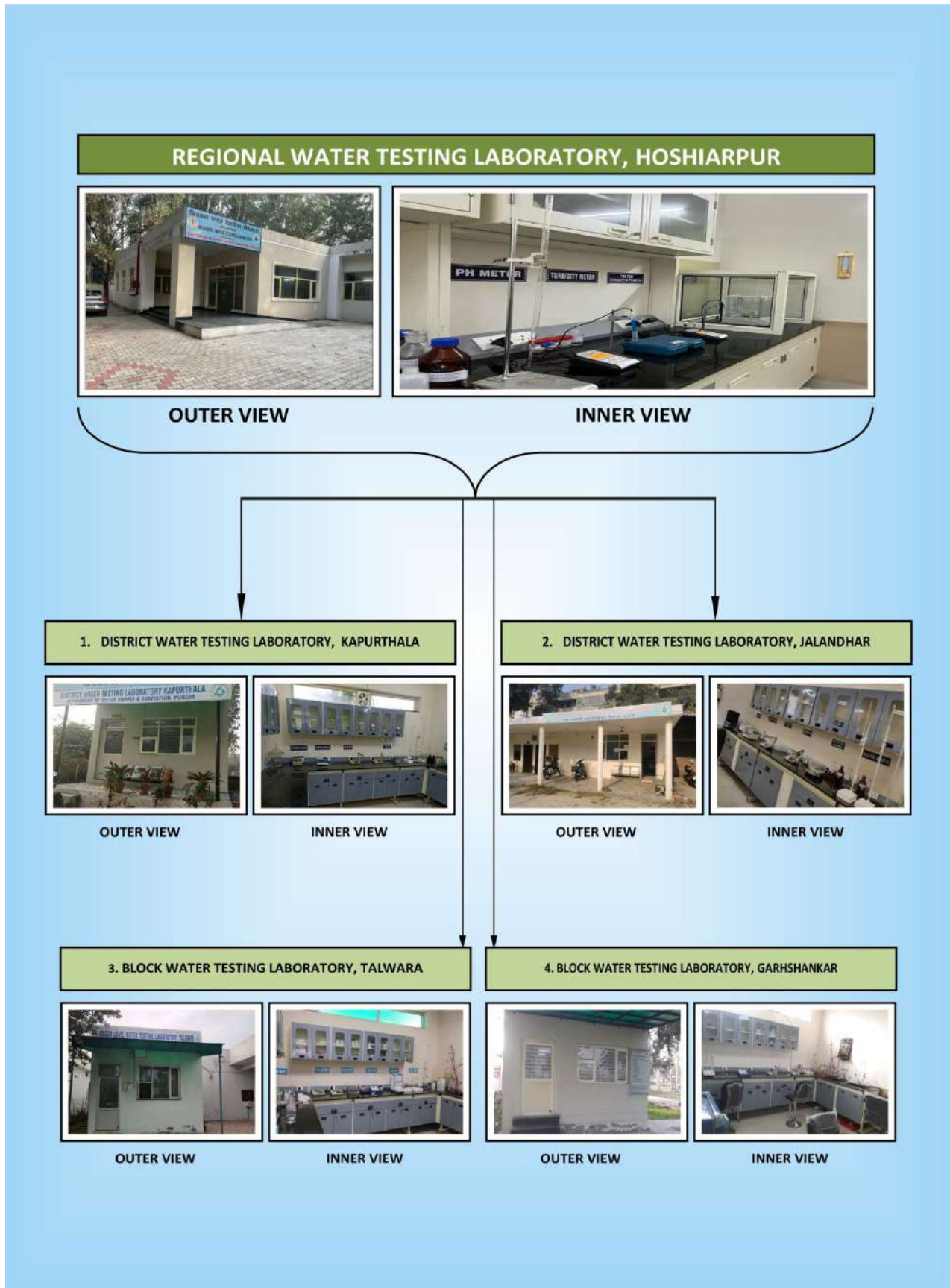


**4. BACTERIOLOGICAL SECTION**













**REGIONAL WATER TESTING LABORATORY, PATIALA**



**OUTER VIEW**



**INNER VIEW**

**1. DISTRICT WATER TESTING LABORATORY, FATEHGARH SAHIB**



**OUTER VIEW**



**INNER VIEW**

**2. DISTRICT WATER TESTING LABORATORY, LUDHIANA**



**OUTER VIEW**



**INNER VIEW**

**3. BLOCK WATER TESTING LABORATORY, KHANNA**



**OUTER VIEW**



**INNER VIEW**



### REGIONAL WATER TESTING LABORATORY, SANGRUR



OUTER VIEW



INNER VIEW

#### 1. DISTRICT WATER TESTING LABORATORY, MANSA



OUTER VIEW



INNER VIEW

#### 2. DISTRICT WATER TESTING LABORATORY, BATHINDA



OUTER VIEW



INNER VIEW

#### 3. DISTRICT WATER TESTING LABORATORY, BARNALA



OUTER VIEW



INNER VIEW

#### 4. DISTRICT WATER TESTING LABORATORY, MALERKOTLA



OUTER VIEW



INNER VIEW

#### 5. BLOCK WATER TESTING LABORATORY, MALOUT



OUTER VIEW



INNER VIEW

**REGIONAL WATER TESTING LABORATORY, SAS NAGAR**



**OUTER VIEW**



**INNER VIEW**

**1. DISTRICT WATER TESTING LABORATORY, SBS NAGAR**



**OUTER VIEW**



**INNER VIEW**

**2. DISTRICT WATER TESTING LABORATORY, ROOPNAGAR**



**OUTER VIEW**



**INNER VIEW**

**3. BLOCK WATER TESTING LABORATORY, ANANDPUR SAHIB**



**OUTER VIEW**



**INNER VIEW**



### **NABL Accreditation**

In order to comply with the quality assurance benchmarks set by the Quality Council of India within laboratories and to foster trust among the public regarding water quality testing, DWSS commenced the NABL accreditation process for 16 of its laboratories in the fiscal year 2021-22, followed by the remaining 15 in fiscal year 2022-23. Consequently, nearly all DWSS Laboratories have achieved accreditation /recognition status.

#### **The Process of obtaining NABL Accreditation/Recognition involves the following:-**

##### **NABL Accreditation - State, Regional and District Laboratories**

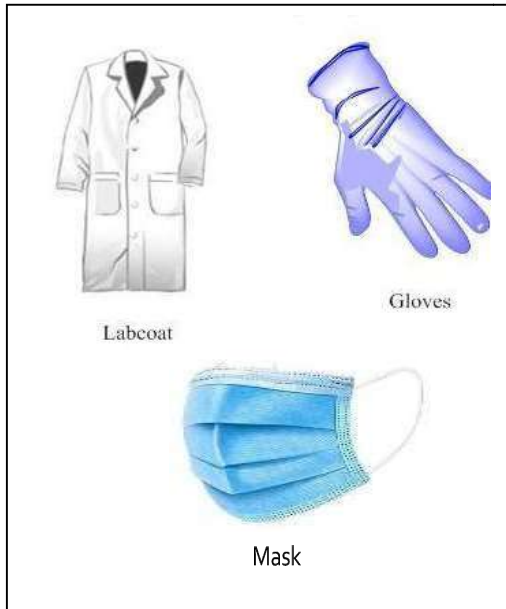
1. Preparation of Quality Manual and Quality Sytem procedure of every lab.
2. Conducting Proficiency Testing.
3. Calibration of all equipments from NABL Authorized external agency.
4. Procurement of Certified Reference Materials (CRMs) as per IEC 17034
5. Internal Audit of labs as per IEC 17025: 2017
6. Managemet review meetings – Review of Observations during audit.
7. Filing of NABL application.
8. Quality Manual Adequacy Audit from NABL
9. Onsite NABL Audit (External Audit).
10. Removal of Non Compliances (NC's) raised by external auditor.
11. Issuance of NABL certificate

##### **NABL Recognition - Block Laboratories**

1. Preparation of Quality Manual and Quality Sytem procedure of every lab.
2. Conducting Proficiency Testing.
3. Calibration of all equipments from external agency.
4. Procurement of Certified Reference Materials (CRMs) as per IEC 17034
5. Internal Audit of labs as per IEC 17025: 2017
6. Managemet review meetings – Review of Observations during audit.
7. Filing of NABL application.
8. Reviewing of NABL application
9. Removal of Non Compliances (NC's) raised by external auditor in application.
10. Issuance of NABL certificate.

Sr.No.	Name of Laboratories	Status of NABL accreditation/Recognition	Parameters being analyzed
1	<b>Regional Advance Water Testing Laboratory,Phase 2, SAS Nagar (State Lab) and Regional Water Testing Lab Amritsar</b>	Yes	Heavy Metals using ICP-MS,basic chemical parameters and bacteriological Parameters.
2	<b>5 Regional WaterTesting Labs</b> SASNagar, Sangrur, Amritsar, Moga, Hoshiarpur	Yes	11 Basic Chemical Parameters,5 area specific parameters and bacteriological Parameters.
3	<b>17 District Water Testing Labs</b> Fatehgarh Sahib, Ludhiana, Roopnagar, Gurdaspur, Jalandhar, Kapurthala, Pathankot, SBSNagar, Bathinda, Fazilka, Shri Muktsar Sahib, Barnala, Malerkotla, Tarn Taran, Farikdot, Ferozepur & Mansa	Yes	11 Basic Chemical Parameters.
4	<b>6 Block Water Testing Labs</b> Khanna, Anandpur Sahib, Batala, Talwara, Garshankar, Abohar	Yes	11 Basic Chemical Parameters.
5	<b>Block Water Testing lab</b> , Malout	Certificate Awaited	11 Basic Chemical Parameters.
<b>Note</b>	· NABL accreditation/recognition for 16 labortaries was done in FY2021-22.		
	· The NABL accreditation/ recognition for remaining 15 labortaries have been done in FY2022-23.		

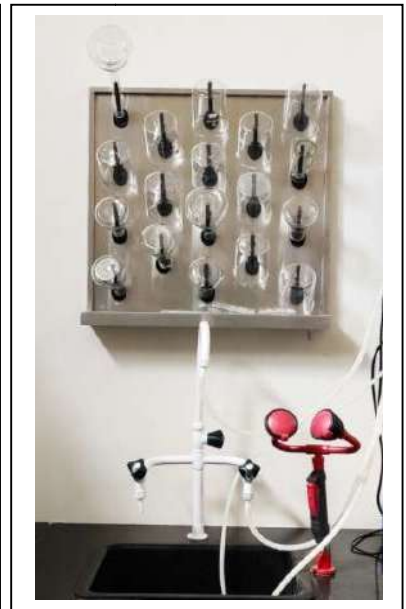
**MEASURES ADOPTED FOR OCCUPATIONAL HEALTH AND SAFETY**



**Personal Protective Equipment (PPE)**



**Safety Shower**



**Eye Shower**



### 3 Water Testing Charges

The water testing charges for all the laboratories have been notified through a circular dated 10.01.2022, with reference number WSSD-BR2013/37/20195BR2/21, for the testing of basic chemical parameters, area-specific parameters, bacteriological parameters, anions, and heavy metals.

#### SALIENT FEATURES

- All water testing laboratories – Open to Public – Testing of Basic Parameters at nominal charge of Rs. 130/- for 11 parameters.
- Five area specific parameters (Iron, Sulphate, Fluoride, Nitrate and Arsenic) for Rs. 300/- and 2 bacteriological parameters for Rs. 200/- only.
- Discounts on testing of Ions, Heavy metals and Radioactive Parameters for Government Institutions, Schools etc upto 50%.

**DEPARTMENT OF WATER SUPPLY AND SANITATION, PUNJAB**  
**REGIONAL WATER TESTING LABORATORY, SAS NAGAR**  
 Mobile No. : 098729-36785, Email : mdlsasnagar@gmail.com, website : https://dwss.punjab.gov.in

**CERTIFICATE OF ACCREDITATION**

**REGIONAL WATER TESTING LABORATORY, SAS NAGAR**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing & Calibration Laboratories"**

for its facilities at

WATER WORKS COMPLEX, PHASE-2, NOHALL, S.A.S NAGAR, PUNJAB, INDIA

in the field of

TESTING

Certificate Number: TG-0778  
Issue Date: 30/08/2021      Valid Until: 31/08/2023

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(For the scope of accreditation of the laboratory, you may visit NABL website www.nabl.org)

Name of Legal Entity : DEPARTMENT OF WATER SUPPLY AND SANITATION

Signed for and on behalf of NABL

N. Venkateswaram  
 Chief Executive Officer

Drinking Water Standards\* & Applicable Testing Charges

Sr. No. / क्र. सं.	Parameters / परामित्त	Acceptable limit	Permissible limit in the absence of alternate source	Basic Rates (in Rs.) / मूल्य रु०
<b>Part - I Chemical Parameters / रासायनिक परामित्त</b>				
1.	Colour (Hazen Unit), रंग (हेज़न इकाई)	5	15	1/-
2.	Odour, गंध	Acceptable (अपेक्षित)	Acceptable (अपेक्षित)	1/-
3.	Taste, स्वाद	Acceptable (अपेक्षित)	Acceptable (अपेक्षित)	1/-
4.	Turbidity (NTU), कलमत्ता (नेन्ट्यू यू)	1	5	5/-
5.	pH, pH-मान	6.5-8.5	No relaxation (रिक्त फीस नहीं)	1/-
6.	TDS (mg/litre), टीडीएस (मि.ग्र./लीटर)	500 mg/l	2000 mg/l	1/-
7.	Hardness (mg/litre), कठोरता (मि.ग्र./लीटर)	200 mg/l	600 mg/l	20/-
8.	Alkalinity (mg/litre), अम्लता (मि.ग्र./लीटर)	200 mg/l	600 mg/l	20/-
9.	Chloride (mg/litre), क्लोराइड (मि.ग्र./लीटर)	250 mg/l	1000 mg/l	50/-
10.	Calcium (mg/litre), कैल्शियम (मि.ग्र./लीटर)	75 mg/l	200 mg/l	20/-
11.	Magnesium (mg/litre), मैग्नीशियम (मि.ग्र./लीटर)	30 mg/l	100 mg/l	10/-
				<b>Package for 11 Chemical Parameters</b>
				<b>130/-</b>
<b>Part - II Area Specific Parameters / क्षेत्र विशेष परामित्त</b>				
1.	Iron (mg/litre), लोहा (मि.ग्र./लीटर)	1.0 mg/l	No relaxation (रिक्त फीस नहीं)	50/-
2.	Sulphate (mg/litre), सल्फेट (मि.ग्र./लीटर)	200 mg/l	400 mg/l	50/-
3.	Fluoride (mg/litre), फ्लोराइड (मि.ग्र./लीटर)	1.0 mg/l	15 mg/l	50/-
4.	Nitrate (mg/litre), नाइट्रेट (मि.ग्र./लीटर)	45 mg/l	No relaxation (रिक्त फीस नहीं)	50/-
5.	Arsenic (mg/litre), आर्सेनिक (मि.ग्र./लीटर)	0.01 mg/l	No relaxation (रिक्त फीस नहीं)	100/-
				<b>Package for 5 Area Specific Parameters</b>
				<b>300/-</b>
<b>Part - III Bacteriological Parameters / बैक्टीरियोलॉजिकल परामित्त</b>				
1.	Total Coliform Bacteria (MPN/100 ml), कुल कोलीफॉर्म बैक्टीरिया (MPN/100 मिलीलीटर)	Shall not be detectable in any 100 ml sample	No relaxation (रिक्त फीस नहीं)	100/-
2.	E. Coli Bacteria (MPN/100 ml), ई. कोली बैक्टीरिया (MPN/100 मिलीलीटर)		No relaxation (रिक्त फीस नहीं)	100/-
				<b>Package for 2 Bacteriological Parameters</b>
				<b>200/-</b>

OPEN TO PUBLIC (सबको खोली)

\* न्यूनतम/न्यूनतम दर: सभी 50 रुपये/रु० 4.00 प्रति लीटर  
 \* न्यूनतम/न्यूनतम दर: सभी 100 रुपये/रु० 10.00 प्रति लीटर  
 \* सभी क्षेत्र-विशेष परामित्त पर न्यूनतम दर: सभी 100 रुपये/रु० 10.00 प्रति लीटर

\*As per Bureau Of Indian Standards IS-10500 : 2012 (REV.-2)

Know your water quality !!  
आपको अपनी ही  
वाटर क्वालिटी पता है !!

## 4 Sampling and Testing Protocol

In the year 2021-2022, the Department followed the sampling and testing protocol for water quality monitoring, which includes the following steps:

All the ground water and canal water-based sources are to be tested

- For basic chemical parameters, heavy metals including uranium once in a year
- For bacteriological parameters twice a year.



### Standard Operating Procedure of sampling for Heavy Metals:

#### a. Sampling bottles:-

For water sample collection, plastic bottles made of polyethylene or an equivalent material (labeled as P (A)) should be rinsed with HNO<sub>3</sub> acid. Glass bottles should also be rinsed with HNO<sub>3</sub> acid, while Fluoropolymer bottles should be rinsed with 1 + 1 HNO<sub>3</sub> solution.

#### b. Sampling Procedure:-

Clean the bottle using soap solution and wash it thoroughly with tap water. Rinse the bottle with distilled water, and then collect 1000 ml of water sample. Add 2 ml of concentrated nitric acid (analytical grade) to the collected water sample. This process should be done as soon as possible in the laboratory. Whenever feasible, the sample should be collected after pumping the well or borehole for a period of at least one to two hours. This ensures the withdrawal of fresh water from the aquifer. The depth of the sample location below the ground level or reference level should be recorded.



**c. Size of the Sample:-**

The sample volume should be sufficient, i.e., a minimum of 500 ml sample, preferably 1000 ml, to carry out all the required tests, and the bottle should be completely filled with the sample to ensure that there is no air above the sample.

**d. Preservation and Storage:-**

Parameter	Container	Sample size	Sample type	Preservations	Max. Storage recommended
Heavy Metals	P(A), G(A), FP(A)	1000 ml	Grab	For dissolved metals filter immediately and add HNO <sub>3</sub> to pH < 2	6 months

Note:- For parameters not listed above use glass or plastic containers preferably refrigerate during storage and analyze as soon as possible.

P(A) = rinsed with 1 + 1 HNO<sub>3</sub>, G(A)= Glass rinsed with 1 + 1 HNO<sub>3</sub>, FP (A) = Fluoropolymer (polytetrafluoroethylene)

**e. Identifying Data-**

All samples shall be legibly marked with:

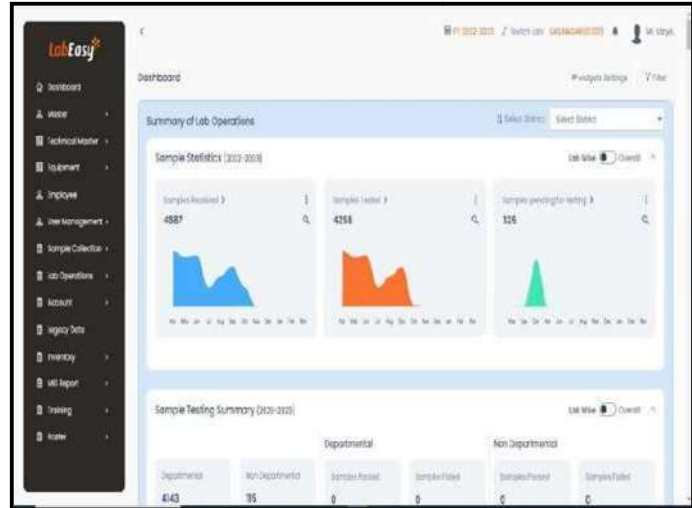
- Category of source (Govt. / Pvt./ Public)
- Type of source of the sample depicting whether Surface / Ground (HP, TW, PW) / CWPP / RO / AIRP / Shallow source etc.
- Date and time of collection
- The name and designation of the person collecting the sample.
- The location of sample i.e., District, Block, Village and Geo Coordinates.
- Depth of source.

**f. Transportation of Samples - The sample should be collected in leak proof glass or plastic container and should be transported earliest.**

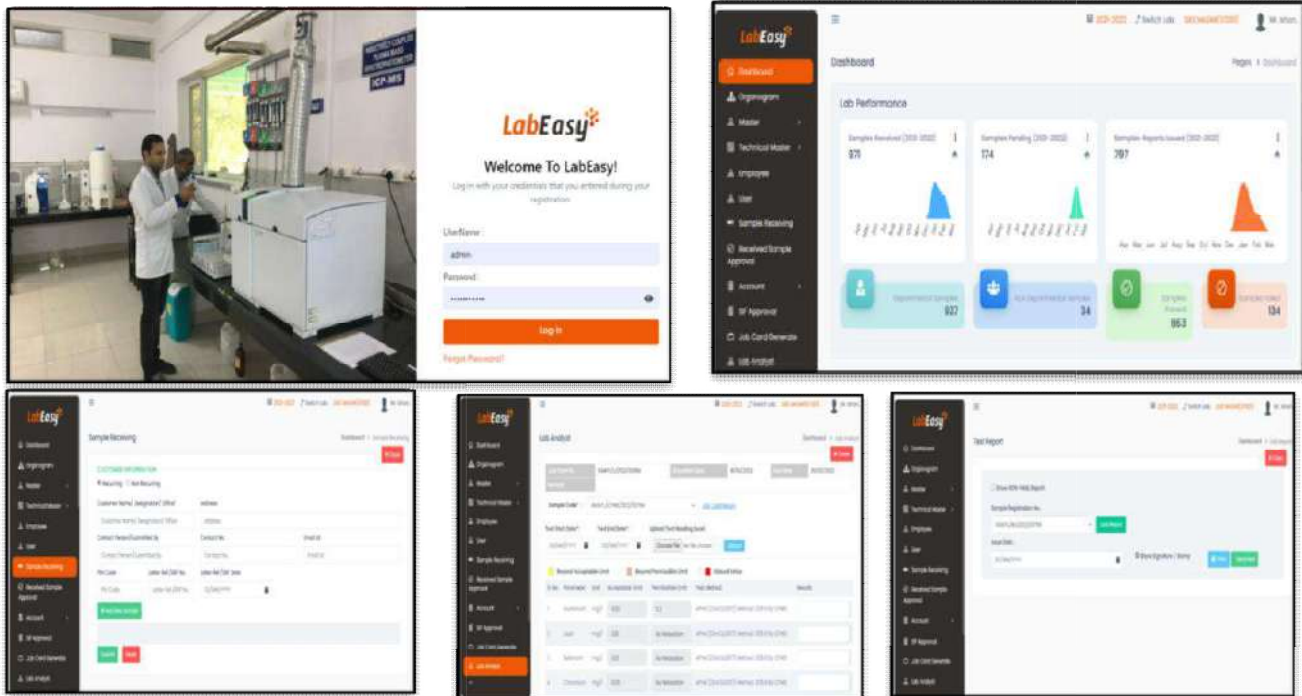
## 5 Laboratory Information Management System (LIMS)

To streamline the processes starting from sample collection and scheduling, route optimization, invoice generation, sample testing, and finalization of test reports, and to minimize human involvement in the current processes, DWSS has implemented a customized Laboratory Information Management System (LIMS).

The internal operations of labs including sample receiving to issuance of reports are already functional using this system. Moreover, modules for sample scheduling, route optimization, FTK, legacy data, inventory, equipment calibration have also been completed and tested. Now O & M period has been started for five years.



### Glimpses of LIMS Modules



Sample receiving Module

Result entry Module

Issuing reports

## 1. Acceptable and Permissible limits of Parameters

Parameters	Acceptable limit BIS	Permissible limit as per BIS/AERB
Arsenic	0.01ppm	No Relaxation
Fluoride	1.0ppm	1.5ppm
Nitrate	45 ppm	No Relaxation
TDS	500ppm	2000ppm
Iron	1.0ppm	No Relaxation
Uranium	30ppb	60ppb
Selenium	0.01ppm	No Relaxation
Mercury	0.001ppm	No Relaxation
Aluminium	0.03ppm	0.2ppm
Cadmium	0.003ppm	No Relaxation
Nickel	0.02ppm	No Relaxation
Chromium	0.05ppm	No Relaxation
Lead	0.01ppm	No Relaxation

ppb- parts per billion equivalent to microgram per litre

ppm–parts per million equivalent to milli gram per litre

TDS- TotalDissolved Solids



## Water Quality Status

As on 01.04.2022, there were 1381 quality affected habitations in the state of Punjab which is already been hosted on DWSS website. The details are as under:-

Contaminants wise abstract (1381 quality affected habitations as on 01.04.2022)						
Parameters	Arsenic	Fluoride	Iron	Nitrate	Other parameters including Heavy Metals	Total QA Habitations
No. of affected habitations	785	282	14	30	270	1381

Fresh testing of Departmental sources and retesting of previous year quality affected habitations was conducted in FY 2022-23. It is submitted that as per the sampling protocol in the FY 2022-23, quality of 368 habitations is considered as improved. If any habitation found quality improved and failed in another parameter but tested single time is also not considered in this profile. For uranium AERB limits (60ppb) have been taken into consideration for the water quality profile. The details are as under:

Contaminants wise abstract of Quality Improved habitations (out of 1381 for the FY-2021-22)						
Parameters	Arsenic	Fluoride	Iron	Nitrate	Other parameters including Heavy Metals	Total QA Habitations
No. of affected habitations	148	62	10	12	136	368

Whereas, out of 1381 Quality affected habitations, 1013 habitations found to be above permissible limit hence are still quality affected. Additionally, 101 new quality-affected habitations were identified in the subsequent fiscal year of 2022-2023. Hence, as on 01.04.2023 there are total 1114 habitations are found to be quality affected. The details of 1114 Quality Affected habitations in the Punjab with different contaminants are as below:

Contaminants wise abstract (1114 quality affected habitations as on 01.04.2023)								
Sr. No.	Parameters	Arsenic	Fluoride	Nitrate	Selenium	Uranium	Sulphate	Total
	Acceptable limit	0.01mg/l	1.0mg/l	45 mg/l	0.01mg/l	60µg/l	200 mg/l	
	Permissible Limit	No relaxation	1.5 mg/	No relaxation	No relaxation	No relaxation	400 mg/l	
1	2	3	4	5	6	7	8	9
	No. of habitation affected as per DWSS	681	227	24	27	121	34	1114

## Water Quality Status

The district and parameter-wise water quality status for ther year 2022-23 as on 01.04.2023 is indicated below.

Sr. No.	District	Arsenic	Fluoride	Nitrate	Selenium	Uranium	Sulphate	Grand Total
1	Amritsar	328	0	0	0	1	0	329
2	Barnala	0	2	1	0	4	1	8
3	Bathinda	0	0	0	0	2	1	3
4	Faridkot	0	6	0	0	0	3	9
5	Fatehgarh Sahib	0	36	2	0	3	1	42
6	Fazilka	5	8	0	0	30	23	66
7	Ferozepur	23	4	2	0	23	1	53
8	Gurdaspur	192	0	0	0	0	0	192
9	Hoshiarpur	10	0	0	2	3	0	15
10	Jalandhar	0	1	0	0	0	0	1
11	Kapurthala	3	0	0	0	0	0	3
12	Ludhiana	1	1	1	12	5	0	20
13	Mansa	2	0	3	0	1	0	6
14	Moga	0	5	0	0	28	0	33
15	Muktsar	0	0	0	0	3	0	3
16	Patiala	6	156	1	2	4	3	172
17	Roopnagar	10	0	13	0	0	0	23
18	Sangrur	0	4	0	3	12	1	20
19	SAS Nagar	1	2	0	0	0	0	3
20	SBS Nagar	0	0	0	8	0	0	8
21	Tarn Taran	100	2	1	0	2	0	105
<b>Grand Total</b>		<b>681</b>	<b>227</b>	<b>24</b>	<b>27</b>	<b>121</b>	<b>34</b>	<b>1114</b>

QA: Quality-Affected

## Remedial Status

- Out of the 1114 Quality-affected (QA) habitations, mitigation measures have been taken / are being taken in 1045 habitations.
- For the remaining 69 quality-affected habitations, mitigation measures are planned to be implemented during the fiscal year 2023-24.

### Abstract of Mitigation Status

Sr. No.	District	Covered	Being Covered	Under Consideration	Grand Total
1	Amritsar	303	4	22	329
2	Barnala	8	0	0	8
3	Bathinda	3	0	0	3
4	Faridkot	9	0	0	9
5	Fatehgarh Sahib	39	0	3	42
6	Fazilka	51	15	0	66
7	Ferozepur	49	2	2	53
8	Gurdaspur	189	2	1	192
9	Hoshiarpur	14	1	0	15
10	Jalandhar	0	0	1	1
11	Kapurthala	3	0	0	3
12	Ludhiana	16	0	4	20
13	Mansa	6	0	0	6
14	Moga	31	0	2	33
15	Muktsar	3	0	0	3
16	Patiala	163	4	5	172
17	Roopnagar	9	4	10	23
18	Sangrur	16	0	4	20
19	SAS Nagar	3	0	0	3
20	SBS Nagar	3	0	5	8
21	Tarn Taran	95	0	10	105
<b>Grand Total</b>		<b>1013</b>	<b>32</b>	<b>69</b>	<b>1114</b>

The village-wise water quality profile of 1114 quality affected habitations formulated for FY 2022-23 along with mitigation status as on 31.10.2023 is appended herewith as **Appendix A**.



## 8. Health Impacts of Prominant Contaminants in ground water.

a. **Arsenic:** Arsenic is a naturally occurring metalloid found in some parts of the earth's crust and can also be present in water that has flowed through Arsenic-rich rocks. Chronic Arsenic poisoning can occur due to long-term exposure to Arsenic. Arsenic, when dissolved in water, is acutely toxic and can lead to several health problems. It has been reported that long-term exposure to Arsenic in drinking water, probably more than 0.01 mg/L, can increase the risk of cancer of skin, lungs, bladder, and kidney. Arsenic can result in numerous diseases, which have been confirmed by repeated epidemiological investigations. These include dermal effects, cardiovascular effects, respiratory effects, gastrointestinal effects, endocrinological effects (such as diabetes mellitus), neurological effects, reproductive and developmental effects, cancer effects, and other effects..

b. **Fluoride:** Fluoride contamination in groundwater is a widespread problem globally, with high levels often resulting from leaching of Fluoride-rich rocks such as Fluorspar, Cryolite, Fluorapate, and Hydroxyapate, or from weathered formations of Pyroxene Amphibolite and Pegmates. Prolonged exposure to excessive Fluoride can lead to irreversible demineralization of bone and tooth tissue, known as Fluorosis, as well as long-term damage to the brain, liver, thyroid, and kidneys. In India alone, it is estimated that 60-70 million people suffer from dental and skeletal Fluorosis.

c. **Iron:** Iron is one of the most abundant metals in the Earth's crust, constituting approximately 5% of it. It readily bonds with sulphates in the sediments of many surface waters. While Iron in drinking water has not been reported to have any major health impacts, the taste and colour of water can be affected. Water with high Iron content can have a brackish colour, rusty sediment, or a metallic taste. A common problem resulting from Iron in water is the presence of Iron bacteria. Although Iron bacteria are normally considered non-pathogenic and not associated with causing disease, they can impart colour to water. Excess Iron can cause gastrointestinal distress. The WHO has not specified any guideline value for Iron in drinking water..

d. **Nitrate:** Nitrate is naturally present in most water sources at moderate concentrations. However, human activities have been identified as the primary cause of higher Nitrate levels in water sources. Recent studies have shown an increasing trend of Nitrate concentration in surface and groundwater in many parts of India. This is mostly due to the combined effects of chemical fertilizers, uncontrolled animal-feeding operations, as well as pesticide and waste contamination through storm and urban

runoff. High Nitrate intake can cause various health problems, such as abdominal pains, diarrhea, vomiting, hypertension, increased infant mortality, central nervous system birth defects, diabetes, spontaneous abortions, respiratory tract infections, and changes in the immune system. Nitrate can also be reduced to the reactive nitrite ion by intestinal bacteria, leading to Methemoglobinemia, especially in infants under six months of age.

e. **Uranium:** Uranium is a naturally occurring radioactive metal found in low concentrations (a few parts per million) in soil, rock, surface water, and groundwater. It is a mixture of three radionuclides (U 234, U 235, and U 238), all of which decay by both alpha and gamma emissions. Naturally occurring uranium consists primarily of U 238 – 99.274%, U 235 – 0.72%, and U 234 – 0.0057%. In addition to being naturally present in the environment, Uranium can also be released through leaching from natural deposits, mining, industrial activities, and emissions from the nuclear industry, the combustion of coal and other fuels, and the use of phosphate fertilizers that contain Uranium. This can result in the contamination of air, water, and soil. While naturally occurring Uranium has very low levels of radioactivity, its chemical properties in drinking water are of greater concern. A small amount of Uranium can be absorbed and carried through the bloodstream, which studies have shown can affect the kidneys over time. However, bathing and showering with water containing Uranium is not a health concern.

## 9. Mitigation Measures adopted by the Department

The Department of Water Supply and Sanitation in Punjab has taken various steps to install mitigation measures in villages affected by poor water quality, both in the short term and the long term. The major contaminants found in the raw groundwater in Punjab include Arsenic, Fluoride, Uranium, Selenium, Iron, Nitrate, and Sulphate, among others.

### Long term measures:-

a. **Surface Water projects:** To mitigate water quality issues, the Department of Water Supply and Sanitation in Punjab gives first preference to surface water projects wherever feasible from a techno-economic standpoint. This helps to reduce the department's dependence on groundwater resources. Furthermore, surface water is generally free from contaminants such as Arsenic, Fluoride, and Uranium.

b. **In-line Arsenic cum Iron removal plants (AIRPs):** In villages affected by arsenic where the provision of Surface Water is not feasible, the Department has retrofitted inline AIRPs to provide water at 70 LPCD. These plants are equipped with nano-material based adsorbent media that can extract arsenic and iron from raw

Water. This media was developed by IIT Madras. AIRPs ensure a sufficient supply of arsenic-free potable water through a piped network at the doorstep of consumers.



### Short term measures:-

a. **Community Water Purification Plants (CWPPs):** The implementation of surface water projects is a long-term solution for providing safe water to affected villages, but it takes two to three years to complete. In the meantime, the Department has installed Community Water Purification Plants (CWPPs) in affected villages to provide potable water for drinking and cooking. The CWPPs use adsorption-based nano-material media to remove contaminants such as arsenic and fluoride from groundwater. These plants are installed at community locations within the villages, ensuring that residents have access to safe and clean water while awaiting the completion of surface water projects.



b. **Decentralized household purifiers:** Installing CWPPs in very small habitations is generally not an economical and sustainable solution. Therefore, in the case of arsenic-affected habitations, the Department has piloted the concept of



Decentralized purifiers at the household level, which are based on nano-materials developed by IIT Madras. This has been proven to be a techno-economical solution for small villages with households. These purifiers are gravity-fed and have raw water and treated water tank capacity of 10 liters each. For villages affected by Uranium, the Department has also successfully completed pilot study by distributed Household Purifier at Village Shamshahbad, District Fazilk.



c. **Reverse Osmosis Plants:** AIRPs and CWPPs being installed are specific to Arsenic and Fluoride and are not feasible for other type of parameters. For such cases with other contaminants, DWSS has already installed RO plants under PIDB/ NABARD/ NRDWP/ NITI Aayog projects including for those habitations of Southern West Punjab where water supply used to be hit during canal closure.

**MOBILE WATER TESTING LABORATORY, DWSS PUNJAB**



**ਜ਼ਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ ਦੇ ਹੜ੍ਹ ਪ੍ਰਭਾਵਿਤ ਪਿੰਡਾਂ ਵਿੱਚ ਕੀਤੀ ਪਾਣੀ ਦੀ ਜਾਂਚ**

ਝੰਗ • ਫਾਜ਼ ਮਸਾਰੀ  
ਜਲ ਸਪਲਾਈ ਅਤੇ ਸੈਨੀਟੇਸ਼ਨ ਵਿਭਾਗ ਵਲੋਂ ਪੰਜਾਬ ਦੇ ਸਾਰੇ ਪਿੰਡਾਂ ਨੂੰ ਪੀਣ ਵਾਲੇ ਖੁੱਬ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਕੀਤੀ ਜਾਂਦੀ ਹੈ। ਕੁਮ ਕੇਵਰ ਸਿੰਘ ਕੋਚਿੰਟ ਮੰਤਰੀ ਪੰਜਾਬ ਦੀ ਅਗਵਾਈ ਵਿੱਚ ਵਿਭਾਗ ਲੋੜਾਂ ਨੂੰ ਧੀਣ ਵਾਲੇ ਪਾਣੀ ਸੰਬੰਧੀ ਨਿਰੰਤਰ ਸੰਵਾਦਾਂ ਮੁਹੱਈਆ ਕਰਾ ਰਹੇ ਹਨ। ਇਸ ਦੀ ਗੁਣਵੱਤਾ ਦਾ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਰੱਖਿਆ ਜਾਂਦਾ ਹੈ, ਜਿਸ ਵਾਸਤੇ ਸਾਰੇ ਪੰਜਾਬ ਔਚਰ ਜਿਲਾ ਪੱਧਰ ਤੋਂ ਪਾਣੀ ਦੀ ਜਾਂਚ ਲਈ ਲੋੜਾਂ ਦੀ ਉਸਾਰੀ ਕੀਤੀ ਗਈ ਹੈ। ਜਿੱਥੇ ਜਲ ਸੰਰਤਾਂ ਤੋਂ ਪਾਣੀ ਦੇ ਸੋਪਲ ਨੇ ਕੇ ਨਿਰੰਤਰ ਜਾਂਚ ਕੀਤੀ ਜਾਂਦੀ ਹੈ। ਜਲ ਸਪਲਾਈ ਅਤੇ ਸੈਨੀਟੇਸ਼ਨ ਵਿਭਾਗ, ਮੰਡਲ ਨਵਾਂ

ਭੰਗਰ ਦੇ ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ ਸੁਖਵਿੰਦਰ ਮਾਧੀ ਨੇ ਦੱਸਿਆ ਕਿ ਖਰਸਾਤੀ ਮੌਸਮ ਵਿੱਚ ਪੀਣ ਵਾਲੇ ਪਾਣੀ ਦੀ ਗੁਣਵੱਤਾ ਵਧਾਉਣ ਵਾਸਤੇ ਕਲੋਰੀਨੇਸ਼ਨ ਦਾ ਖੁਸ ਖਿਆਲ ਰੱਖਿਆ ਜਾਂਦਾ ਹੈ। ਪਿਛਲੇ ਦਿਨੀਂ ਵੱਧ ਮੀਂਹ ਪੈਣ ਕਾਰਨ ਅਤੇ ਭੌਮ ਤੋਂ ਛੱਡੇ ਪਾਣੀ ਨਾਲ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ ਦੇ ਖੁੱਬ ਪਿੰਡ ਹੜ੍ਹ ਨਾਲ ਪ੍ਰਭਾਵਤ ਹੋ ਗਏ ਹਨ। ਇਸ ਹੜ੍ਹ ਪ੍ਰਭਾਵਤ ਹੋਏ ਇਲਾਕੇ ਦੇ ਜਲ ਸੰਰਤਾਂ ਦੀ ਜਾਂਚ ਕਰਨ ਲਈ ਗੁਰਮੰਤ ਕੌਰ ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ ਵਾਰਤ ਕੁਆਲਟੀ ਚਿੰਕ, ਮੁਹਾਲੀ ਵਲੋਂ ਮੋਬਾਇਲ ਵੈਨ ਭੇਜੀ ਗਈ। ਪਾਣੀ ਦੇ ਸੰਰਤਾਂ ਦਾ ਨਿਰੀਖਣ ਕਰਨ ਆਈ ਟੀਮ ਵਲੋਂ ਕੋਲੈਕਟਰ ਦੀ ਨਿਗਰਾਨੀ ਹੇਠ ਪਾਣੀ ਦੇ ਸੋਪਲ ਨੇ ਕੇ ਜਾਂਚ ਕੀਤੀ ਗਈ।



For round the clock surveillance & monitoring of water supply schemes, Department of Water Supply and Sanitation has also a setup 2 mobile water testing laboratories. These laboratories work round the clock & collect water samples from various water supply schemes for testing at departmental lab. Further during epidemic these Mobile van visit the affected areas and conduct onsite testing.



### FLUORIDE REMOVAL PLANTS AS CWPP INSTALLED IN PUNJAB





### ARSENIC-CUM-IRON REMOVAL PLANTS



## Appendix A

## List of Quality Affected Habitations FY-2022-23

Sr No	District	Block	Scheme	Habitation	Population	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Parameter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1	Amritsar	Ajnala	Abadi Chandigarh	Abadi Chandigarh	360	0.001	0.000	0.000	0.000	0.024	0.000	0.001	0.041	0.71	0.27	3.28	0.64	15.42	28.86	25.27	Arsenic	HH Purifiers	Covered
2	Amritsar	Ajnala	Abadi Chartewali & Dinewali	Chartewali	476	BDL	BDL	BDL	0.000	0.033	BDL	BDL	BDL	1.07	NT	11.99	NT	NT	30.46	20.41	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
3	Amritsar	Ajnala	Abadi Chartewali & Dinewali	Dinewali	1013	BDL	BDL	BDL	0.000	0.033	BDL	BDL	BDL	1.07	NT	11.99	NT	NT	30.46	20.41	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
4	Amritsar	Ajnala	Abadi Nanakpura Theh	Nanakpura Theh	367	BDL	BDL	BDL	BDL	0.022	BDL	BDL	0.096	BDL	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
5	Amritsar	Ajnala	Abu Said	Abusaid	1150	BDL	BDL	BDL	BDL	0.056	BDL	BDL	BDL	BDL	0.21	3.31	2.65	9.38	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
6	Amritsar	Ajnala	Adda Ramdass	Adda Ramdass	750	NT	NT	NT	NT	0.036	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
7	Amritsar	Ajnala	Aliwal	Aliwal	3949	BDL	BDL	BDL	0.000	0.027	BDL	BDL	0.001	1.88	NT	19.99	NT	NT	38.47	22.35	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
8	Amritsar	Ajnala	Anaitpur	Anaitpur	351	NT	NT	NT	NT	0.051	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers - M/s Bansal	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
9	Amritsar	Ajnala	Bajwa	Bajwa	148	NT	NT	NT	NT	0.025	NT	NT	0.125	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
10	Amritsar	Ajnala	Bakrour	Bakraur	441	NT	NT	NT	NT	0.059	NT	NT	0.264	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
11	Amritsar	Ajnala	Bakrour	Barlas	303	NT	NT	NT	NT	0.059	NT	NT	0.264	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
12	Amritsar	Ajnala	Ballarwal	Channa n Singh Wala	392	0.001	BDL	BDL	BDL	0.011	0.003	0.002	0.025	4.02	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
13	Amritsar	Ajnala	Ballarwal	Rab Wali	262	BDL	BDL	BDL	BDL	0.028	BDL	BDL	0.025	BDL	0.28	3.93	1.03	18.48	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
14	Amritsar	Ajnala	Bath	Bath	1485	BDL	BDL	BDL	BDL	0.094	BDL	BDL	BDL	BDL	0.32	4.98	1.26	11.03	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
15	Amritsar	Ajnala	Bath	Khatrai Kalan	1607	BDL	BDL	BDL	BDL	0.094	BDL	BDL	BDL	BDL	0.32	4.98	1.26	11.03	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
16	Amritsar	Ajnala	Bath	Khatrai Khurd	652	BDL	BDL	BDL	BDL	0.094	BDL	BDL	BDL	BDL	0.32	4.98	1.26	11.03	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
17	Amritsar	Ajnala	Bhagwan Pura	Bhagwan Pura	370	NT	NT	NT	NT	0.100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
18	Amritsar	Ajnala	Bhakha Hari Singh	Bhakha Hari Singh	792	BDL	0.000	BDL	BDL	0.046	BDL	0.001	0.006	0.35	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
19	Amritsar	Ajnala	Bhandal	Bhandal	154	NT	NT	NT	NT	0.025	NT	NT	0.128	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
20	Amritsar	Ajnala	Bhandal	Samrai	285	NT	NT	NT	NT	0.025	NT	NT	0.128	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
21	Amritsar	Ajnala	Bhandal	Sultan Mahal	483	NT	NT	NT	NT	0.025	NT	NT	0.128	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
22	Amritsar	Ajnala	Bhure Gill	Bhure Gill	1363	BDL	BDL	BDL	BDL	0.065	BDL	BDL	BDL	BDL	0.23	2.98	0.98	5.99	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
23	Amritsar	Ajnala	Bhutan Pura	Bhutan Pura	580	NT	NT	NT	NT	0.030	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
24	Amritsar	Ajnala	Boharwal	Boharwala	977	BDL	BDL	BDL	BDL	0.082	BDL	BDL	0.336	BDL	NT	NT	NT	NT	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
25	Amritsar	Ajnala	Chack Dogran	Wadha Chack	574	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.113	BDL	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
26	Amritsar	Ajnala	Chaharpur	Chaharpur	990	NT	NT	NT	NT	0.041	NT	NT	0.373	NT	NT	13.99	NT	NT	36.87	14.58	Arsenic	HH Purifiers & Surface water project Kandowali	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
27	Amritsar	Ajnala	Chaimiri	Gujja Peer	1589	BDL	BDL	BDL	BDL	0.023	BDL	BDL	0.005	3.86	BDL	17.42	2.14	26.26	38.47	22.35	Arsenic	Surface water project Kandowali & RO Plant	Covered
28	Amritsar	Ajnala	Chak Bala	Chak Bala	949	BDL	BDL	BDL	BDL	0.035	0.000	BDL	0.008	0.61	NT	31.76	NT	NT	36.87	24.30	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
29	Amritsar	Ajnala	Chak Dogran	Chak Dogran	2585	0.001	0.000	0.000	0.000	0.024	0.000	0.002	0.095	0.80	0.22	3.97	BDL	20.50	25.65	29.16	Arsenic	Arsenic Removal HP (Niti Aayog) & Surface water project Kandowali	Covered
30	Amritsar	Ajnala	Chak Dogran	DUBAR BASTI	789	BDL	BDL	BDL	BDL	0.017	BDL	BDL	NT	NT	0.24	2.63	0.91	1.04	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
31	Amritsar	Ajnala	Chak Sikander	Chak Sikander	1428	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.016	6.91	BDL	14.51	1.48	14.54	41.68	28.18	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
32	Amritsar	Ajnala	Chak Sikander	Loharka	106	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.016	6.91	BDL	14.51	1.48	14.54	41.68	28.18	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
33	Amritsar	Ajnala	Chak Sikander	Nizampura	457	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.016	6.91	BDL	14.51	1.48	14.54	41.68	28.18	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
34	Amritsar	Ajnala	Chakaul	Chakaul	1243	NT	NT	NT	NT	0.035	NT	NT	0.133	NT	NT	15.99	NT	NT	30.46	15.55	Arsenic	HH Purifiers	Covered
35	Amritsar	Ajnala	Chamiani	Chamiani	3548	NT	NT	NT	NT	0.024	NT	NT	0.026	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
36	Amritsar	Ajnala	Channa (OH-HP)	Channa	536	NT	NT	NT	NT	0.018	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH PurifiersRO Plant & Surface water project Kandowali	Covered
37	Amritsar	Ajnala	Chota Chack	Chota Chack	642	NT	NT	NT	NT	0.050	NT	NT	0.258	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
38	Amritsar	Ajnala	Dahurian	Dahuria n	874	BDL	BDL	BDL	0.000	0.043	BDL	BDL	0.033	0.32	0.04	18.52	2.86	24.73	32.06	25.27	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
39	Amritsar	Ajnala	Dalla Rajputan	Dalla Rajputa n	1656	0.000	0.000	0.000	0.000	0.037	0.000	0.000	0.022	0.59	0.28	2.21	0.68	16.06	35.27	20.41	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
40	Amritsar	Ajnala	Dalla Rajputan	Nawan Dala	1834	0.000	0.000	0.000	0.000	0.037	0.000	0.000	0.022	0.59	0.28	2.21	0.68	16.06	35.27	20.41	Arsenic	CWPP (As)	Covered
41	Amritsar	Ajnala	Dallah Mallian	Dallah Mallian	22	BDL	BDL	BDL	BDL	0.020	BDL	BDL	0.016	BDL	0.38	1.47	BDL	14.31	NT	NT	Arsenic	CWPP (As)	Covered
42	Amritsar	Ajnala	Daria Mussa	Daria Mussa	582	0.002	0.000	0.000	0.000	0.036	0.000	0.001	0.109	0.94	0.34	5.27	BDL	22.38	35.27	23.33	Arsenic	HH Purifiers	Covered
43	Amritsar	Ajnala	Dial Bharang	Dial Bharan g	1077	BDL	BDL	BDL	BDL	0.069	BDL	BDL	0.190	BDL	BDL	2.04	BDL	5.38	34.42	23.03	Arsenic	AIRP & Surface water project Kandowali	Covered
44	Amritsar	Ajnala	Dial Bhatti	Dial Bhatti	1611	BDL	BDL	BDL	0.000	0.037	BDL	BDL	0.018	1.85	0.04	16.34	1.62	18.69	33.66	21.38	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
45	Amritsar	Ajnala	Dialpura & Nasar	Dial Pura	893	0.001	0.000	0.000	0.000	0.048	0.000	0.001	0.091	1.59	BDL	4.18	BDL	5.36	52.91	50.54	Arsenic	AIRP & Surface water project Kandowali	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l - no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
46	Amritsar	Ajnala	Dialpura & Nasar	Nasar	597	0.001	0.000	0.000	0.000	0.048	0.000	0.001	0.091	1.59	BDL	4.18	BDL	5.36	52.91	50.54	Arsenic	HH Purifiers	Covered
47	Amritsar	Ajnala	Dujowal	Dujowal	1090	BDL	BDL	BDL	BDL	0.054	BDL	BDL	0.040	2.44	0.14	14.26	2.36	22.54	28.85	17.49	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
48	Amritsar	Ajnala	Gaggo Mahal	Gaggo Mahal	3941	BDL	BDL	BDL	BDL	0.055	BDL	BDL	0.028	2.36	0.06	9.45	2.58	18.65	30.46	17.49	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
49	Amritsar	Ajnala	Ganze da Channa (HP)	Ganze da Channa	452	NT	NT	NT	NT	0.025	NT	NT	0.092	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
50	Amritsar	Ajnala	Ghalib	Ghalib	811	BDL	BDL	BDL	0.000	0.042	BDL	BDL	0.038	0.80	BDL	12.72	2.84	25.48	27.25	11.66	Arsenic	CWPP (As)	Covered
51	Amritsar	Ajnala	Gorey Nangal	Gorey Nangal	753	BDL	BDL	BDL	0.000	0.072	BDL	BDL	0.474	1.17	NT	23.99	NT	NT	25.65	25.27	Arsenic	AIRP & Surface water project Kandowali & CWPP- M/s AdEdge (Pilot Project)	Covered
52	Amritsar	Ajnala	Gujjar pura	Gujjar pura	1946	0.000	0.000	0.000	0.000	0.058	0.000	0.000	0.009	2.54	0.22	4.05	1.08	11.51	22.44	34.99	Arsenic	AIRP & Surface water project Kandowali	Covered
53	Amritsar	Ajnala	Hardo Putli	Hardo Putli	1149	BDL	BDL	BDL	BDL	0.019	BDL	BDL	0.045	4.65	0.06	18.62	2.54	19.56	40.08	28.18	Arsenic	AIRP & Surface water project Kandowali	Covered
54	Amritsar	Ajnala	Hamam Singh Wali	Hamam Singh Wali	1225	BDL	BDL	BDL	BDL	0.030	BDL	BDL	BDL	BDL	0.30	3.44	BDL	17.52	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
55	Amritsar	Ajnala	Harrar Kalan	Harar Kalan	1312	BDL	BDL	BDL	BDL	0.037	BDL	BDL	BDL	3.74	NT	19.99	NT	NT	40.08	23.32	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
56	Amritsar	Ajnala	Harrar Khurd	Harrar Khurd	1039	NT	NT	NT	NT	0.012	NT	NT	0.020	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
57	Amritsar	Ajnala	Harrar Mustil Bhuregill	Harar Near Bhure Gill	411	ND	ND	ND	ND	0.049	ND	ND	5.337	0.60	0.71	NT	16.54	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
58	Amritsar	Ajnala	Kamalपुरa	Kamalपुरa	1701	0.001	0.000	0.000	0.000	0.048	0.000	0.001	0.032	2.75	0.24	9.20	0.55	22.81	64.13	35.96	Arsenic	AIRP & Surface water project Kandowali	Covered
59	Amritsar	Ajnala	Khanowal	Khanowal	1081	ND	ND	ND	ND	0.017	ND	ND	ND	10.200	0.08	NT	ND	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
60	Amritsar	Ajnala	Khanowal	Kotla Kazian	502	ND	ND	ND	ND	0.017	ND	ND	ND	10.200	0.08	NT	ND	NT	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
61	Amritsar	Ajnala	Kiampur	Kiampur	2256	BDL	BDL	BDL	BDL	0.063	BDL	BDL	0.284	BDL	BDL	5.37	2.51	8.72	53.22	23.21	Arsenic	AIRP & Surface water project Kandowali	Covered
62	Amritsar	Ajnala	Kot Kesar Singh	Kot Kesar Singh	521	BDL	BDL	BDL	BDL	0.068	BDL	BDL	0.015	3.39	0.12	14.72	2.36	22.14	40.08	24.30	Arsenic	Surface water project Kandowali & RO Plant	Covered
63	Amritsar	Ajnala	Kot Rajada	Kot Razada	727	BDL	BDL	BDL	BDL	0.052	BDL	BDL	0.033	0.84	BDL	11.22	2.36	21.59	27.25	10.69	Arsenic	HH Purifiers & Surface water project Kandowali	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
64	Amritsar	Ajnala	Kotli Amb	Kotli Amb	930	0.001	0.000	0.001	0.000	0.051	0.000	0.000	0.197	0.87	0.23	3.18	0.70	10.27	32.06	27.22	Arsenic	Surface water project Kandowali & RO Plant	Covered
65	Amritsar	Ajnala	Kuralian	Kuralian	1552	NT	NT	NT	NT	0.050	NT	NT	0.514	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
66	Amritsar	Ajnala	Longo Mahal	Longo Mahal	771	BDL	BDL	BDL	0.000	0.042	BDL	BDL	0.029	1.93	BDL	9.63	1.58	17.45	32.06	21.38	Arsenic	AIRP & Surface water project Kandowali	Covered
67	Amritsar	Ajnala	Madhu Chhanga	Madhu Chhanga	1406	BDL	BDL	BDL	BDL	0.041	BDL	BDL	0.008	4.25	BDL	15.21	BDL	25.14	35.27	26.24	Arsenic	AIRP & Surface water project Kandowali	Covered
68	Amritsar	Ajnala	Majhi Meun	Majhi Meun	382	ND	ND	ND	ND	0.081	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Chawinda Kalan Surface water project	Covered
69	Amritsar	Ajnala	Makowal	Jassar	1157	0.001	0.000	0.000	0.000	0.052	0.000	0.000	0.314	2.26	0.28	3.70	0.84	11.06	43.29	21.38	Arsenic	AIRP & Surface water project Kandowali	Covered
70	Amritsar	Ajnala	Makowal	Makowal	1466	0.001	0.000	0.000	0.000	0.052	0.000	0.000	0.314	2.26	0.28	3.70	0.84	11.06	43.29	21.38	Arsenic	AIRP & Surface water project Kandowali	Covered
71	Amritsar	Ajnala	Malakpur	Malakpur	1228	NT	NT	NT	NT	0.025	NT	NT	0.073	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status	
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l				
72	Amritsar	Ajnala	Mattey Nangal	Mattey Nangal	1404	0.000	0.000	0.000	0.000	0.060	0.000	0.000	0.077	0.71	0.23	4.12	0.86	7.77	35.27	23.33	Arsenic	AIRP & Surface water project Kandowali	Covered	
73	Amritsar	Ajnala	Mohan Bhandarian WM	Mohan Bhandarian	2351	BDL	BDL	BDL	BDL	0.076	BDL	BDL	0.225	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
74	Amritsar	Ajnala	Mukam	Mukam	1058	ND	ND	ND	ND	0.072	ND	ND	0.127	0.300	0.15	NT	5.31	NT	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered	
75	Amritsar	Ajnala	Nanoke	Nanoke	1196	0.001	0.000	0.000	0.000	0.053	0.000	0.001	0.272	1.32	0.20	4.01	0.60	10.59	32.06	25.27	Arsenic	Surface water project Kandowali & RO Plant	Covered	
76	Amritsar	Ajnala	Nassoke	Gaggar	368	BDL	BDL	BDL	0.000	0.031	BDL	BDL	0.033	2.71	BDL	16.42	2.45	24.15	32.06	18.46	Arsenic	AIRP	Covered	
77	Amritsar	Ajnala	Nassoke	Nassoke	445	BDL	BDL	BDL	0.000	0.031	BDL	BDL	0.033	2.71	BDL	16.42	2.45	24.15	32.06	18.46	Arsenic	AIRP	Covered	
78	Amritsar	Ajnala	Nassoke	Shahzada	654	BDL	BDL	BDL	0.000	0.031	BDL	BDL	0.033	2.71	BDL	16.42	2.45	24.15	32.06	18.46	Arsenic	AIRP	Covered	
79	Amritsar	Ajnala	Parewal	Awan Near Ramdas	2989	BDL	BDL	BDL	BDL	0.013	BDL	BDL	0.037	BDL	0.31	2.50	BDL	13.56	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered	
80	Amritsar	Ajnala	Passian	Jattan	1078	BDL	BDL	BDL	0.000	0.023	BDL	BDL	0.040	0.80	BDL	12.57	2.26	19.48	30.46	24.30	Arsenic	Attached with adjoining scheme & CWPP (As)	Covered	
81	Amritsar	Ajnala	Passian	Passian	966	BDL	BDL	BDL	0.000	0.023	BDL	BDL	0.040	0.80	BDL	12.57	2.26	19.48	30.46	24.30	Arsenic	CWPP (As) & Surface water project Kandowali	Covered	
82	Amritsar	Ajnala	Raipur Kalan	Raipur Kalan	1077	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.073	0.43	0.25	2.96	0.86	19.47	36.87	17.50	Arsenic	AIRP	Covered	
83	Amritsar	Ajnala	Ramdass Rural	Ramdass Rural	952	BDL	BDL	BDL	BDL	0.038	BDL	BDL	BDL	BDL	BDL	2.46	BDL	7.79	37.29	10.60	Arsenic	AIRP	Covered	

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
84	Amritsar	Ajnala	Rokhey	Mattiya	1008	BDL	0.000	0.000	BDL	0.062	BDL	BDL	0.000	3.40	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
85	Amritsar	Ajnala	Rokhey	Rokhey	1490	BDL	0.000	0.000	BDL	0.062	BDL	BDL	0.000	3.40	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
86	Amritsar	Ajnala	Saidpur Khurd	Saidpur Khurd	970	0.000	0.000	0.000	0.000	0.028	0.000	0.000	0.085	0.60	0.24	4.08	BDL	20.86	30.46	26.24	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
87	Amritsar	Ajnala	Sanguna	Sanguna	376	NT	NT	NT	NT	0.025	NT	NT	0.218	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
88	Amritsar	Ajnala	Shahliwal	Sahliwal	490	BDL	BDL	BDL	BDL	0.036	BDL	BDL	4.068	6.45	0.17	3.74	2.23	78.25	102.89	22.36	Arsenic	Arsenic Removal HP (Niti Aayog) & Chawinda Kalan Surface water project	Covered
89	Amritsar	Ajnala	Sidhar	Sidhar	1309	NT	NT	NT	NT	0.032	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
90	Amritsar	Ajnala	Sumowal	Samowal	264	NT	NT	NT	NT	0.031	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
91	Amritsar	Ajnala	Talwandi Bhagwan	Talwandi Bhangwan	671	BDL	BDL	BDL	BDL	0.061	BDL	BDL	BDL	BDL	BDL	4.01	3.26	5.83	42.95	16.15	Arsenic	Surface water project Kandowali & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
92	Amritsar	Ajnala	Talwandi Nahar	Talwan di Nahar	1479	0.000	0.000	0.000	0.000	0.061	0.000	0.000	0.024	2.22	0.25	4.33	1.04	8.52	70.54	21.38	Arsenic	Surface water project Kandowali & RO Plant	Covered
93	Amritsar	Ajnala	Tera Rajputan	Ballarwal	1070	BDL	BDL	BDL	BDL	0.032	BDL	BDL	0.078	BDL	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
94	Amritsar	Ajnala	Thoba	Kotli Jamait Singh	275	0.002	0.000	0.001	0.000	0.026	0.000	0.001	0.058	0.65	0.25	BDL	BDL	13.23	35.27	19.44	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
95	Amritsar	Ajnala	Thoba	Lakhuwal-2	1492	0.002	0.000	0.001	0.000	0.026	0.000	0.001	0.058	0.65	0.25	BDL	BDL	13.23	35.27	19.44	Arsenic	Surface water project Kandowali & RO Plant	Covered
96	Amritsar	Ajnala	Thoba	Thoba	2288	0.002	0.000	0.001	0.000	0.026	0.000	0.001	0.058	0.65	0.25	BDL	BDL	13.23	35.27	19.44	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
97	Amritsar	Ajnala	Urdhan	Urdhan	1002	BDL	0.001	BDL	BDL	0.046	BDL	BDL	0.001	4.13	BDL	16.68	2.76	24.72	35.27	30.13	Arsenic	Surface water project Kandowali & RO Plant	Covered
98	Amritsar	Ajnala	Vachoya	Vachhoya	3296	0.000	0.000	0.000	0.000	0.074	0.000	0.000	0.012	3.35	0.24	5.45	BDL	12.25	60.92	31.10	Arsenic	Surface water project Kandowali & RO Plant	Covered
99	Amritsar	Ajnala	Wachoa Singh	Wachoa Singh	618	NT	NT	NT	NT	0.050	NT	NT	0.115	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
100	Amritsar	Attari	Achint Kot	Achint Kot	1135	BDL	BDL	BDL	0.000	0.025	BDL	BDL	0.290	10.05	0.33	3.37	BDL	BDL	38.48	28.19	Arsenic	CWPP (As) & Surface water project Sangna	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
101	Amritsar	Attari	ATALGARH	Atalgar h	638	BDL	BDL	BDL	0.000	0.026	BDL	BDL	0.223	38.6 3	0.84	21.99	4.96	10.35	35.27	19.44	Arsenic	Not Covered	Under Considerati on
102	Amritsar	Attari	Attari	Attari	8921	NT	NT	NT	NT	0.033	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
103	Amritsar	Attari	Bahoru	Bahoru	4752	BDL	0.000	BDL	0.000	0.014	BDL	BDL	0.070	15.2 8	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water project Sangna	Covered
104	Amritsar	Attari	Basarke Gillan	Basark e Gillan	3660	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Surface water project Sangna	Being Covered
105	Amritsar	Attari	Bhakna Kalan	Bhakna Kalan	3264	BDL	0.001	BDL	BDL	0.034	BDL	BDL	0.012	5.08	NT	19.99	NT	NT	48.09	30.13	Arsenic	CWPP (As) & Surface water project Sangna	Covered
106	Amritsar	Attari	Bhakna Khurd	Bhakna Khurd	1688	BDL	BDL	BDL	0.000	0.035	BDL	BDL	0.009	5.21	0.32	20.13	1.76	22.01	46.49	34.02	Arsenic	CWPP (As) & Surface water project Sangna	Covered
107	Amritsar	Attari	Chicha	Chicha	3058	BDL	BDL	BDL	BDL	0.014	BDL	BDL	0.001	13.7 0	NT	16.00	NT	9.49	49.70	26.24	Arsenic	Surface water project Sangna	Being Covered
108	Amritsar	Attari	Chicha	Mehmo od Nagar	390	BDL	BDL	BDL	BDL	0.014	BDL	BDL	0.001	13.7 0	NT	16.00	NT	9.49	49.70	26.24	Arsenic	Surface water project Sangna	Being Covered
109	Amritsar	Attari	Dauke	Bhaini Rajputa n	1051	0.003	BDL	0.001	BDL	0.020	0.00 0	0.00 3	0.433	13.3 9	BDL	22.25	BDL	26.25	43.29	27.22	Arsenic	CWPP (As) & Surface water project Sangna	Covered
110	Amritsar	Attari	Dauke	Bharow al	746	0.003	BDL	0.001	BDL	0.020	0.00 0	0.00 3	0.433	13.3 9	BDL	22.25	BDL	26.25	43.29	27.22	Arsenic	CWPP (As) & Surface water project Sangna	Covered
111	Amritsar	Attari	Dauke	Daoke	1765	0.003	BDL	0.001	BDL	0.020	0.00 0	0.00 3	0.433	13.3 9	BDL	22.25	BDL	26.25	43.29	27.22	Arsenic	CWPP (As) & Surface water project Sangna	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
112	Amritsar	Attari	Dhanoa Kalan	Dhanoa Kalan	1932	BDL	BDL	BDL	BDL	0.015	BDL	BDL	0.004	12.17	NT	21.99	NT	NT	48.09	34.02	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
113	Amritsar	Attari	Dhanoa Khurd	Dhanoa Khurd	1192	BDL	BDL	BDL	BDL	0.040	BDL	BDL	0.072	5.28	NT	19.99	NT	NT	46.49	34.02	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
114	Amritsar	Attari	Dhattal	Dhattal	1375	BDL	BDL	BDL	0.000	0.019	BDL	BDL	0.005	9.16	BDL	22.99	BDL	28.10	48.09	31.10	Arsenic	CWPP (As) & Surface water project Sangna	Covered
115	Amritsar	Attari	Galluwal	Galluwal	518	BDL	BDL	BDL	0.000	0.026	BDL	BDL	0.078	8.42	0.51	23.99	1.36	28.97	48.09	37.90	Arsenic	Not Covered	Under Consideration
116	Amritsar	Attari	Gharinda	Gharinda	2169	NT	NT	NT	NT	0.100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
117	Amritsar	Attari	Gharindi	Gharindi	1043	BDL	BDL	BDL	BDL	0.028	BDL	BDL	0.021	5.13	NT	15.99	NT	NT	33.66	23.32	Arsenic	AIRP	Covered
118	Amritsar	Attari	Hardo Rattan	Hardo Rattan	871	BDL	BDL	BDL	0.000	0.049	BDL	BDL	0.038	7.30	0.46	12.67	BDL	5.06	28.85	20.41	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
119	Amritsar	Attari	HEIR	Heir	553	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Surface water project Sangna	Being Covered
120	Amritsar	Attari	Hoshiar Nagar	Hoshiar Nagar	1820	BDL	BDL	BDL	0.000	0.026	BDL	BDL	0.005	17.01	NT	17.99	NT	NT	28.85	28.18	Arsenic	CWPP (As) & Surface water project Sangna	Covered
121	Amritsar	Attari	Ibban Kalan	Ibban Kalan	2835	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.003	13.28	NT	25.99	NT	NT	35.27	22.35	Arsenic	CWPP (As) & Surface water project Sangna	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
122	Amritsar	Attari	Jathoul	Jathaul	1105	BDL	BDL	BDL	0.000	0.033	BDL	BDL	0.022	8.80	BDL	23.14	4.54	29.41	54.50	33.04	Arsenic	CWPP (As) & Surface water project Sangna	Covered
123	Amritsar	Attari	Jhanjarpur	Dhodiwind	394	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
124	Amritsar	Attari	Jhanjarpur	Jhanjarpur	470	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
125	Amritsar	Attari	Kallewal	Kallewal	1273	NT	NT	NT	NT	0.029	NT	NT	0.078	NT	0.18	NT	2.61	16.31	19.23	NT	Arsenic	CWPP (As) & Surface water project Sangna	Covered
126	Amritsar	Attari	Kaunke	Dande	1076	BDL	BDL	BDL	0.000	0.021	BDL	BDL	0.137	13.17	BDL	16.08	4.46	13.25	35.27	21.38	Arsenic	CWPP (As)	Covered
127	Amritsar	Attari	Kaunke	Kaunke	2326	BDL	BDL	BDL	0.000	0.021	BDL	BDL	0.137	13.17	BDL	16.08	4.46	13.25	35.27	21.38	Arsenic	CWPP (As) & Surface water project Sangna	Covered
128	Amritsar	Attari	Khaira	Khaira	533	NT	NT	NT	NT	0.029	NT	NT	0.098	NT	0.12	15.99	2.84	16.72	19.23	15.55	Arsenic	HH Purifiers & Surface water project Sangna	Covered
129	Amritsar	Attari	Khasa	Khassa	1410	BDL	BDL	BDL	0.000	0.018	BDL	BDL	0.003	8.95	0.29	35.98	4.23	28.32	49.69	32.07	Arsenic	Not Covered	Under Consideration
130	Amritsar	Attari	Khurmanian	Khurmanian	3309	NT	NT	NT	NT	0.046	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
131	Amritsar	Attari	Ladhewal	Ladhewal	1323	BDL	BDL	BDL	BDL	0.040	BDL	BDL	0.002	4.28	BDL	2.23	BDL	9.63	32.06	15.55	Arsenic	CWPP (As) & Surface water project Sangna	Covered
132	Amritsar	Attari	Lahori Mal	Lahori Mal	1435	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
133	Amritsar	Attari	Mandiala	Mandiala	2421	NT	NT	NT	NT	0.014	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water project Sangna	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
134	Amritsar	Attari	Modey	Mode	2350	NT	NT	NT	NT	0.023	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
135	Amritsar	Attari	Modey	Hardo Rattan Khurd	778	NT	NT	NT	NT	0.023	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
136	Amritsar	Attari	Mohawa	Mohawa	3333	BDL	BDL	BDL	0.000	0.021	BDL	BDL	0.034	5.86	0.27	5.00	BDL	BDL	54.51	9.72	Arsenic	CWPP (As) & Surface water project Sangna	Covered
137	Amritsar	Attari	Mulah Behram	Mulah Behram	962	BDL	BDL	BDL	BDL	0.036	BDL	BDL	0.015	5.02	NT	15.99	NT	NT	28.85	11.66	Arsenic	AIRP & Surface water project Sangna	Covered
138	Amritsar	Attari	Nathupur	Nathupur	1105	0.001	BDL	0.002	BDL	0.028	0.000	0.002	0.102	9.54	0.06	2.50	BDL	6.73	41.68	18.46	Arsenic	CWPP (As) & Surface water project Sangna	Covered
139	Amritsar	Attari	Neshta	Neshta	1864	BDL	0.001	BDL	BDL	0.017	BDL	BDL	0.009	8.90	NT	17.99	NT	NT	41.68	27.20	Arsenic	CWPP (As) & Surface water project Sangna	Covered
140	Amritsar	Attari	Rajatal	Rajatal	2156	BDL	BDL	BDL	0.000	0.033	BDL	BDL	0.027	6.11	0.27	3.24	BDL	BDL	43.29	16.52	Arsenic	CWPP (As) & Surface water project Sangna	Covered
141	Amritsar	Attari	Ranike	Bhadiar	528	0.001	BDL	BDL	BDL	0.032	BDL	BDL	0.037	6.92	NT	15.99	NT	NT	40.08	34.02	Arsenic	HH Purifiers	Covered
142	Amritsar	Attari	Ranike	Rangarh	1154	0.001	BDL	BDL	BDL	0.032	BDL	BDL	0.037	6.92	NT	15.99	NT	NT	40.08	34.02	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
143	Amritsar	Attari	Ranike	Ranike	2059	0.001	BDL	BDL	BDL	0.032	BDL	BDL	0.037	6.92	NT	15.99	NT	NT	40.08	34.02	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
144	Amritsar	Attari	Roranwala Khurd	Roran Wala Khurd	490	BDL	BDL	BDL	BDL	0.012	BDL	BDL	BDL	0.70	NT	19.99	NT	NT	48.09	28.18	Arsenic	AIRP	Covered
145	Amritsar	Attari	Roranwala Khurd	Roran Wala	2031	BDL	BDL	BDL	BDL	0.012	BDL	BDL	BDL	0.70	NT	19.99	NT	NT	48.09	28.18	Arsenic	AIRP	Covered
146	Amritsar	Attari	Teju Chack	Maluwa I	939	BDL	BDL	BDL	BDL	0.020	BDL	BDL	0.025	BDL	0.27	6.29	0.85	24.03	36.93	17.16	Arsenic	CWPP (As) & Surface water project Sangna	Covered
147	Amritsar	Attari	Teju Chack	Taju Chak	1064	BDL	BDL	BDL	BDL	0.020	BDL	BDL	0.025	BDL	0.27	6.29	0.85	24.03	36.93	17.16	Arsenic	CWPP (As) & Surface water project Sangna	Covered
148	Amritsar	Attari	Varpal	Varpal	10189	BDL	BDL	BDL	0.000	0.012	BDL	BDL	0.023	11.75	NT	15.99	NT	NT	46.49	22.35	Arsenic	Not Covered	Under Consideration
149	Amritsar	Chogawan	Abadi Dhupsari	Dhupsari	1000	NT	NT	NT	NT	0.029	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
150	Amritsar	Chogawan	Abadi Maure Khurd	Maure Khurd	493	BDL	BDL	BDL	BDL	0.058	BDL	BDL	BDL	BDL	BDL	3.18	0.57	9.10	51.80	22.67	Arsenic	HH Purifiers	Covered
151	Amritsar	Chogawan	Audhar	Audhar	125	NT	NT	NT	NT	0.052	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
152	Amritsar	Chogawan	Audhar	Dhariwal	517	NT	NT	NT	NT	0.052	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
153	Amritsar	Chogawan	Awam Basu	Dial Rangar h	229	BDL	BDL	BDL	BDL	0.024	BDL	BDL	0.146	BDL	0.22	11.98	0.84	35.43	29.30	8.52	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
154	Amritsar	Chogawan	Bachiwind	Chak Allah Baksh	444	NT	NT	NT	NT	0.060	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
155	Amritsar	Chogawan	Bachiwind	Bachiwind	3030	BDL	BDL	BDL	BDL	0.055	BDL	BDL	0.033	BDL	BDL	5.73	1.78	13.21	47.42	23.08	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
156	Amritsar	Chogawan	Bachiwind	Mulakot	236	BDL	BDL	BDL	BDL	0.055	BDL	BDL	0.033	BDL	BDL	5.73	1.78	13.21	47.42	23.08	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
157	Amritsar	Chogawan	Beharwal	Lanven	356	NT	NT	NT	NT	0.026	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
158	Amritsar	Chogawan	Bhagapur Bet	Bhagapur Bet	1143	BDL	0.000	BDL	BDL	0.045	BDL	BDL	0.038	0.73	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
159	Amritsar	Chogawan	Bhagapur Bet	Kotli Dasondi	1723	BDL	0.000	BDL	BDL	0.045	BDL	BDL	0.038	0.73	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
160	Amritsar	Chogawan	Bhagapur Uttar	Bhagapur Uttar	296	BDL	BDL	BDL	BDL	0.072	BDL	BDL	0.658	BDL	BDL	3.07	0.93	12.70	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
161	Amritsar	Chogawan	Bhagupur Uttar	Mandian Wala	1291	BDL	BDL	BDL	BDL	0.072	BDL	BDL	0.658	BDL	BDL	3.07	0.93	12.70	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
162	Amritsar	Chogawan	Bhilowal Kakreja	Bhilowal Kekezian	1229	BDL	BDL	BDL	BDL	0.043	BDL	BDL	0.726	BDL	BDL	4.81	1.06	5.05	NT	NT	Arsenic	Chawinda Kalan Surface water project & RO Plant	Covered
163	Amritsar	Chogawan	Bhilowal Pakka	Bhilowal Pakka	900	BDL	BDL	BDL	BDL	0.069	BDL	BDL	0.041	BDL	BDL	5.01	0.95	12.50	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
164	Amritsar	Chogawan	Bhindi Aulakh Kalan	Bhindi Aulakh	1577	NT	NT	NT	NT	0.037	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
165	Amritsar	Chogawan	Bhindi Aulakh Kalan	Bhindi Aulakh Khurd	1555	NT	NT	NT	NT	0.037	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
166	Amritsar	Chogawan	Bhindi Saidan	Bhindi Saidan	5721	BDL	0.000	BDL	BDL	0.043	BDL	BDL	0.002	0.43	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
167	Amritsar	Chogawan	Bhullar	Bhullar	3727	BDL	BDL	BDL	BDL	0.042	BDL	BDL	0.065	BDL	BDL	5.00	BDL	11.42	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
168	Amritsar	Chogawan	Bhullar	Tapiala	1463	BDL	BDL	BDL	BDL	0.042	BDL	BDL	0.065	BDL	BDL	5.00	BDL	11.42	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
169	Amritsar	Chogawan	Boparai Kalan	Boparai Kalan	1733	NT	NT	NT	NT	0.032	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
170	Amritsar	Chogawan	Boparai Kalan	Boparai Khurd	1928	NT	NT	NT	NT	0.032	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
171	Amritsar	Chogawan	Brar	Barar	2318	0.000	0.000	0.000	0.000	0.046	0.000	BDL	0.174	1.66	NT	NT	NT	NT	NT	NT	Arsenic	Chawinda Kalan Surface water project & RO Plant	Covered
172	Amritsar	Chogawan	Burj	Burj	927	BDL	0.003	BDL	0.000	0.029	BDL	BDL	BDL	0.529	NT	NT	NT	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Chawinda Kalan Surface water project	Covered
173	Amritsar	Chogawan	Chak Bazid	Chak Bazid	63	NT	NT	NT	NT	0.031	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
174	Amritsar	Chogawan	Chak Mishri Khan	Chak Misri Khan	2289	BDL	BDL	BDL	BDL	0.052	BDL	BDL	0.137	BDL	BDL	4.56	BDL	13.09	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
175	Amritsar	Chogawan	Chawinda Kalan	Chawinda Kalan	1688	BDL	BDL	BDL	BDL	0.035	BDL	BDL	0.009	10.022	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
176	Amritsar	Chogawan	Chawinda Kalan	Chawinda Khurd	1299	BDL	BDL	BDL	BDL	0.035	BDL	BDL	0.009	10.022	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
177	Amritsar	Chogawan	Chogawan	Chogawan	6605	BDL	BDL	BDL	BDL	0.044	BDL	BDL	0.048	BDL	BDL	5.02	BDL	11.41	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
178	Amritsar	Chogawan	Chuchakwal	Chuchakwal	525	BDL	BDL	BDL	BDL	0.070	BDL	BDL	0.039	BDL	BDL	4.99	0.88	13.17	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
179	Amritsar	Chogawan	Dala	Bhangwan	1143	ND	ND	ND	ND	0.053	ND	ND	ND	7.5	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
180	Amritsar	Chogawan	Dala	Dala	1272	ND	ND	ND	ND	0.053	ND	ND	ND	7.5	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
181	Amritsar	Chogawan	Dala	Sidhwan	180	ND	ND	ND	ND	0.053	ND	ND	ND	7.5	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
182	Amritsar	Chogawan	Dalle Ke	Shahura	2188	BDL	BDL	BDL	BDL	0.021	BDL	BDL	0.071	BDL	0.34	4.46	2.33	15.16	29.66	19.09	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
183	Amritsar	Chogawan	Ghoga	Ghoga	665	NT	NT	NT	NT	0.048	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
184	Amritsar	Chogawan	Hetampura	Hetampura	1367	BDL	BDL	BDL	BDL	0.059	BDL	BDL	0.210	BDL	BDL	2.92	0.77	16.73	NT	NT	Arsenic	Chawinda Kalan Surface water project & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
185	Amritsar	Chogawan	Kakkar Kalan	Kakkar	3479	BDL	BDL	BDL	BDL	0.022	BDL	BDL	BDL	174.79	BDL	107.85	0.94	176.79	59.90	31.62	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
186	Amritsar	Chogawan	Kalowal	Kolowal	1385	BDL	BDL	BDL	BDL	0.024	BDL	BDL	0.138	BDL	0.27	2.72	1.52	11.61	36.20	17.88	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
187	Amritsar	Chogawan	Khusupura	Khusupura	737	BDL	BDL	BDL	BDL	0.037	BDL	BDL	0.040	BDL	0.31	2.65	0.84	15.07	40.42	16.04	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
188	Amritsar	Chogawan	Kohala	Kohala	2627	NT	NT	NT	NT	0.031	ND	ND	0.407	8.00	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
189	Amritsar	Chogawan	Kohali	Kohali	5079	BDL	BDL	BDL	BDL	0.024	BDL	BDL	0.014	14.59	NT	25.99	NT	NT	49.69	27.21	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
190	Amritsar	Chogawan	Kutiwala	Chhanna	436	NT	NT	NT	NT	0.022	NT	NT	0.099	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
191	Amritsar	Chogawan	Kutiwala	Vehra	943	NT	NT	NT	NT	0.022	NT	NT	0.099	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
192	Amritsar	Chogawan	Malagiri	Malagiri	616	NT	NT	NT	NT	0.053	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
193	Amritsar	Chogawan	Manawala	Manawala	2653	BDL	BDL	BDL	BDL	0.056	BDL	BDL	BDL	BDL	BDL	5.06	BDL	11.41	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
194	Amritsar	Chogawan	Manawala	Maure	894	BDL	BDL	BDL	BDL	0.049	BDL	BDL	0.084	BDL	BDL	5.00	BDL	11.51	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
195	Amritsar	Chogawan	Manj	Manj	1705	BDL	BDL	BDL	BDL	0.042	BDL	BDL	0.001	0.577	NT	NT	NT	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Chawinda Kalan Surface water project	Covered
196	Amritsar	Chogawan	Miadi Kalan	MAIDI KALAN	993	BDL	BDL	BDL	BDL	0.044	BDL	BDL	0.681	BDL	0.25	2.61	0.78	14.85	33.03	15.91	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
197	Amritsar	Chogawan	Mohleke	Mohleyke	1056	BDL	BDL	BDL	BDL	0.054	BDL	BDL	0.171	BDL	BDL	2.91	BDL	16.57	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
198	Amritsar	Chogawan	Mudh Bhilowal	Awan Lakha Singh	853	BDL	BDL	BDL	BDL	0.055	BDL	BDL	0.117	BDL	BDL	4.58	0.77	13.32	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
199	Amritsar	Chogawan	Mudh Bhilowal	Mudh Bhilowal	1163	BDL	BDL	BDL	BDL	0.055	BDL	BDL	0.117	BDL	BDL	4.58	0.77	13.32	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Chawinda Kalan Surface water project	Covered
200	Amritsar	Chogawan	Mudh Bhilowal	Muzafarpura	312	BDL	BDL	BDL	BDL	0.055	BDL	BDL	0.117	BDL	BDL	4.58	0.77	13.32	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Chawinda Kalan Surface water project	Covered
201	Amritsar	Chogawan	Nurpur	Nurpur	1225	NT	NT	NT	NT	0.029	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
202	Amritsar	Chogawan	Pandori & Makhanpura	Makhanpura	80	BDL	BDL	BDL	BDL	0.040	BDL	BDL	0.001	1.51	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
203	Amritsar	Chogawan	Pandori & Makhanpura	Pandori	854	BDL	BDL	BDL	BDL	0.040	BDL	BDL	0.001	1.51	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
204	Amritsar	Chogawan	Panju Kalal	Panju Kalal	461	NT	NT	NT	NT	0.028	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
205	Amritsar	Chogawan	Panju Rai & Leliyan	LALIAN	415	BDL	BDL	BDL	BDL	0.041	BDL	BDL	0.003	1.47	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
206	Amritsar	Chogawan	Panju Rai & Leliyan	Panju Rai	744	BDL	BDL	BDL	BDL	0.041	BDL	BDL	0.003	1.47	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
207	Amritsar	Chogawan	Sarangra	Rai	1109	ND	ND	ND	ND	0.043	ND	ND	0.367	1.1	0.14	NT	1.70	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Chawinda Kalan Surface water project	Covered
208	Amritsar	Chogawan	Talla	Talla	666	NT	NT	NT	NT	0.065	NT	NT	0.015	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
209	Amritsar	Chogawan	Tanana	Tanana	1294	NT	NT	NT	NT	0.034	NT	NT	0.069	NT	0.11	17.99	1.58	24.77	32.06	9.72	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
210	Amritsar	Chogawan	Thatha	Thatha	1140	BDL	BDL	BDL	BDL	0.050	BDL	BDL	0.019	BDL	BDL	4.54	0.54	12.13	51.93	22.69	Arsenic	AIRP& Surface Water Project Bhuchar Kalan	Covered
211	Amritsar	Chogawan	Thathi	Thathi	800	0.000	0.000	0.095	BDL	0.053	BDL	0.062	1.061	2.87	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
212	Amritsar	Chogawan	Udhar	Joey Ke	438	ND	ND	ND	ND	0.085	ND	ND	ND	4.70	0.32	NT	21.54	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Chawinda Kalan Surface water project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l - no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
213	Amritsar	Chogawan	Udhar	Odhar	1227	ND	ND	ND	ND	0.085	ND	ND	ND	4.70	0.32	NT	21.54	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
214	Amritsar	Chogawan	Variah	Variah	885	BDL	0.000	BDL	BDL	0.053	BDL	BDL	0.006	0.44	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
215	Amritsar	Chogawan	Veroke	Veroke	987	BDL	BDL	BDL	BDL	0.053	BDL	BDL	0.090	BDL	BDL	4.18	BDL	12.31	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
216	Amritsar	Harshachina	Abadi Kotla	Kotla	346	NT	NT	NT	NT	0.051	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
217	Amritsar	Harshachina	Adliwal	Adliwal	3949	BDL	BDL	BDL	BDL	0.028	BDL	BDL	0.155	7.06 3	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
218	Amritsar	Harshachina	Adliwal	Muglani Kot	355	BDL	BDL	BDL	BDL	0.028	BDL	BDL	0.155	7.06 3	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
219	Amritsar	Harshachina	Alam Pur	Alam Pur	186	BDL	0.000	BDL	BDL	0.070	BDL	BDL	BDL	0.70	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
220	Amritsar	Harshachina	Balagan	Balagan	1531	0.001	BDL	BDL	BDL	0.040	BDL	BDL	0.037	4.46	NT	17.99	NT	NT	36.87	18.46	Arsenic	CWPP (As) & Surface water project Kandowali	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
221	Amritsar	Harsha china	Bhalla Pind WM	Bhalla Pind	2707	0.002	0.000	0.000	0.000	0.074	0.000	BDL	0.398	8.45	NT	NT	NT	NT	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
222	Amritsar	Harsha china	Buey Nangali	Buey Nangali	1192	BDL	BDL	BDL	BDL	0.028	BDL	BDL	BDL	7.37	NT	11.99	NT	NT	28.85	21.38	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
223	Amritsar	Harsha china	Chak Kamal Khan	Chak Kamal Khan	768	NT	NT	NT	NT	0.080	NT	NT	1.043	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP& Chawinda Kalan Surface water project	Covered
224	Amritsar	Harsha china	Chinna Karam Singh	Chhina Karam Singh	1514	NT	NT	NT	NT	0.011	NT	NT	0.001	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
225	Amritsar	Harsha china	Chinna Karam Singh	Jastarwal	1555	NT	NT	NT	NT	0.011	NT	NT	0.001	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
226	Amritsar	Harsha china	Dalam	Dalam	1015	0.004	BDL	0.002	BDL	0.032	0.001	0.004	0.232	15.21	BDL	NT	BDL	79.25	62.52	23.33	Arsenic	Surface water project Kandowali & RO Plant	Covered
227	Amritsar	Harsha china	Dudrai	Dhariwal	1444	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.003	8.79	NT	33.98	NT	NT	52.90	33.04	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
228	Amritsar	Harsha china	Dudrai	Dudrai	1629	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.003	8.79	NT	33.98	NT	NT	52.90	33.04	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
229	Amritsar	Harsha china	Dudrai	Lalla Afghana	692	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.003	8.79	NT	33.98	NT	NT	52.90	33.04	Arsenic	CWPP (As) & Surface water project Kandowali	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
230	Amritsar	Harsha china	Harsha Chhina	Harsha Chhina	7227	NT	NT	NT	NT	0.013	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
231	Amritsar	Harsha china	Isapur	Bohlian	2062	ND	ND	ND	ND	0.057	ND	ND	0.045	2.10 0	0.08	NT	2.21	NT	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
232	Amritsar	Harsha china	Isapur	Isapur	793	ND	ND	ND	ND	0.057	ND	ND	0.045	2.10	0.08	NT	2.21	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
233	Amritsar	Harsha china	Jauns	Jauns	1528	BDL	0.000	BDL	BDL	0.053	BDL	0.00 1	BDL	0.26	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
234	Amritsar	Harsha china	Jhanjoti	Jhanjoti	3035	0.001	0.000	0.000	0.000	0.054	0.00 0	0.00 0	0.029	4.92	BDL	3.93	BDL	8.46	41.68	44.71	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
235	Amritsar	Harsha china	Karyal	Karial	2498	BDL	BDL	BDL	BDL	0.070	BDL	BDL	BDL	BDL	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
236	Amritsar	Harsha china	Kot Sidhu	Kot Sidhu	702	ND	ND	ND	ND	0.054	ND	ND	0.168	27.6 0	0.06	NT	3.10	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Chawinda Kalan Surface water project	Covered
237	Amritsar	Harsha china	Kotli Suraj Lohar	Kotla Suraj Lohar	706	ND	ND	ND	ND	0.020	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Chawinda Kalan Surface water project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
238	Amritsar	Harsha china	Macchi Nangal	Machhi Nangal	1025	BDL	BDL	BDL	BDL	0.025	BDL	BDL	0.002	4.47	NT	21.99	NT	NT	11.22	26.24	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
239	Amritsar	Harsha china	Mallu Nangal	Mallu Nangal	1740	BDL	BDL	BDL	BDL	0.027	BDL	BDL	BDL	8.02	NT	17.99	NT	NT	35.27	22.35	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
240	Amritsar	Harsha china	Mehlan Wala	Mehlan Wala	2610	0.004	BDL	0.002	BDL	0.030	0.001	0.003	0.093	5.87	BDL	3.72	BDL	4.64	51.30	19.44	Arsenic	AIRP & Surface water project Kandowali	Covered
241	Amritsar	Harsha china	Mohar	Mohar	1370	0.001	0.000	0.000	0.000	0.063	0.000	BDL	0.276	1.47	NT	NT	NT	NT	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
242	Amritsar	Harsha china	Motla	Motla	910	BDL	BDL	BDL	BDL	0.027	BDL	BDL	0.168	BDL	0.24	3.52	0.95	18.82	35.08	11.78	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
243	Amritsar	Harsha china	Nepal	Bhalot	122	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.712	6.82	NT	23.99	NT	NT	51.30	47.62	Arsenic	HH Purifiers & Chawinda Kalan Surface water project	Covered
244	Amritsar	Harsha china	Nepal	Dhadal	343	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.712	6.82	NT	23.99	NT	NT	51.30	47.62	Arsenic	CWPP (As) & Chawinda Kalan Surface water project	Covered
245	Amritsar	Harsha china	Othian	Othian	1649	NT	NT	NT	NT	0.013	NT	NT	0.001	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
246	Amritsar	Harsha china	Othian	Rakh Othian	282	NT	NT	NT	NT	0.013	NT	NT	0.001	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
247	Amritsar	Harsha china	Raipur Khurd	Raipur Khurd	740	ND	ND	ND	ND	0.058	ND	ND	ND	1.000	0.10	NT	ND	NT	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
248	Amritsar	Harsha china	Saidpur	Saidpur	928	NT	NT	NT	NT	0.029	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
249	Amritsar	Harsha china	Sullodin	Sullodin	805	BDL	0.000	BDL	BDL	0.062	BDL	BDL	0.003	1.76	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
250	Amritsar	Harsha china	Tera Rajputan	Tera Rajputan	1020	BDL	BDL	BDL	BDL	0.038	BDL	BDL	0.022	1.07	NT	39.98	NT	NT	28.85	23.32	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
251	Amritsar	Harsha china	Ugar Aulakh	Ugar Aulakh	1907	0.000	0.000	0.000	0.000	0.053	0.000	BDL	0.172	7.65	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
252	Amritsar	Harsha china	Uhcha Qila	Uhcha Qila	860	0.001	0.000	0.000	0.000	0.068	0.000	0.000	0.099	3.21	BDL	2.85	BDL	4.22	36.87	35.96	Arsenic	CWPP- M/s AdEdge (Pilot Project) & Surface water project Kandowali	Covered
253	Amritsar	Harsha china	Whichla Qila	Whichla Qila	1160	NT	NT	NT	NT	0.047	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
254	Amritsar	Jandiala Guru	Gunnawal	Gunnawal	1640	NT	NT	NT	NT	0.029	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
255	Amritsar	Jandiala Guru	Jandiala Guru	Abadi Behgowali	435	BDL	BDL	BDL	BDL	0.017	BDL	BDL	0.041	14.13	0.12	22.46	0.68	31.52	49.69	34.99	Arsenic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
256	Amritsar	Jandial a Guru	Jandiala Guru	Makhan Windi	3055	BDL	BDL	BDL	BDL	0.017	BDL	BDL	0.041	14.13	0.12	22.46	0.68	31.52	49.69	34.99	Arsenic	AIRP	Covered
257	Amritsar	Jandial a Guru	Mehnian Koharan	Dudhal a	1007	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.090	7.09	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
258	Amritsar	Jandial a Guru	Nangal Guru	Nangal Guru	1951	BDL	0.001	BDL	BDL	0.004	BDL	BDL	0.079	60.25	NT	21.99	NT	NT	33.66	28.18	Uranium	Not Covered	Under Consideration
259	Amritsar	Jandial a Guru	Rakh Devidass Pura	Rakh Devidass Pura	1407	NT	NT	NT	NT	0.027	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
260	Amritsar	Majitha	Anaitpura	Anaitpura	279	NT	NT	NT	NT	0.026	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
261	Amritsar	Majitha	Anaitpura	Dadupura	1201	NT	NT	NT	NT	0.026	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
262	Amritsar	Majitha	Athwal	Athwal	613	BDL	BDL	BDL	0.000	0.020	BDL	BDL	0.012	6.37	BDL	10.93	2.46	15.68	40.08	24.30	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered
263	Amritsar	Majitha	Begewal	Begewal	1810	BDL	BDL	BDL	0.000	0.015	BDL	BDL	0.010	14.62	BDL	14.28	1.42	11.86	44.88	30.13	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered
264	Amritsar	Majitha	Bhangali Khurd	Bhangali Khurd	1386	BDL	0.000	0.000	BDL	0.013	BDL	BDL	0.136	9.99	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l/- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
265	Amritsar	Majitha	Bhangali Khurd	Gujjer Pura	717	BDL	0.000	0.000	BDL	0.013	BDL	BDL	0.136	9.99	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Gonsal Afgana	Covered
266	Amritsar	Majitha	Bhangwan	Bhangwan	1656	BDL	BDL	0.001	BDL	0.027	BDL	BDL	0.012	4.60	BDL	12.65	1.67	16.23	32.06	20.41	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered
267	Amritsar	Majitha	Bhoma	Bhoma	2830	BDL	BDL	BDL	0.000	0.024	BDL	BDL	0.008	4.16	NT	15.99	NT	NT	25.67	22.35	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered
268	Amritsar	Majitha	Budha Theh	Budha Theh	1068	BDL	BDL	BDL	0.000	0.038	BDL	BDL	0.002	4.71	BDL	13.74	1.16	16.53	33.66	20.41	Arsenic	AIRP & Surface water project Gonsal Afgana	Covered
269	Amritsar	Majitha	Daburji	Daburji	1372	NT	NT	NT	NT	0.025	NT	NT	0.418	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered
270	Amritsar	Majitha	Daddian	Daddian	1151	BDL	BDL	BDL	BDL	0.012	BDL	BDL	0.011	16.55	NT	27.99	NT	NT	52.90	26.24	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered
271	Amritsar	Majitha	Dhing Nangal	Dhing Nangal	588	BDL	BDL	BDL	BDL	0.017	BDL	BDL	0.011	4.17	0.16	14.32	2.46	12.87	32.06	19.44	Arsenic	HH Purifiers & Surface water project Gonsal Afgana	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
272	Amritsar	Majitha	Galowali	Galowali Kullian	1890	BDL	BDL	BDL	BDL	0.017	BDL	BDL	0.015	3.76	BDL	14.31	2.18	15.87	24.04	12.63	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
273	Amritsar	Majitha	Hamza	Hamza	1351	BDL	BDL	BDL	BDL	0.035	BDL	BDL	0.005	4.57	0.12	12.87	1.64	14.75	35.27	21.38	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered
274	Amritsar	Majitha	Johal	Johal	596	BDL	BDL	0.001	BDL	0.045	BDL	BDL	0.008	3.08	BDL	11.67	1.79	12.56	44.88	23.32	Arsenic	Surface water project Gonsal Afgana & RO Plant	Covered
275	Amritsar	Majitha	Kaler Mangat	Kaler Mangat	1911	BDL	BDL	BDL	BDL	0.023	0.000	BDL	0.053	17.08	0.37	9.95	0.56	10.86	59.38	32.07	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered
276	Amritsar	Majitha	Kotla Gujran	Kotla Gujran	1678	BDL	0.001	BDL	BDL	0.073	BDL	BDL	0.140	4.12	0.33	5.22	0.53	8.34	NT	NT	Arsenic	Surface water project Kandowali & RO Plant	Covered
277	Amritsar	Majitha	Kotla Khurd	Kotla Khurd	897	BDL	BDL	0.000	BDL	0.022	0.000	BDL	0.132	11.46	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
278	Amritsar	Majitha	Kotla Tarkhana	Kotla Tarkhana	914	BDL	BDL	BDL	BDL	0.022	BDL	BDL	0.013	13.02	BDL	11.49	2.04	16.59	51.30	26.24	Arsenic	AIRP	Covered
279	Amritsar	Majitha	Kuralian	Kuralian	144	NT	NT	NT	NT	0.015	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
280	Amritsar	Majitha	Ludhar	Ludhar	3076	BDL	BDL	BDL	BDL	0.023	BDL	BDL	0.003	13.97	NT	19.99	NT	NT	36.87	30.13	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
281	Amritsar	Majitha	Mahaddipur	Mahadipur	1487	BDL	BDL	BDL	0.000	0.054	BDL	BDL	0.010	5.36	BDL	12.45	BDL	9.56	49.69	28.18	Arsenic	Surface water project Gonsal Afgana & RO Plant	Covered
282	Amritsar	Majitha	Nag Kalan	Nag Kalan	5456	BDL	BDL	BDL	0.000	0.033	BDL	BDL	0.003	6.54	BDL	13.52	1.46	19.65	32.06	21.38	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
283	Amritsar	Majitha	Nangal Pannuan	Nangal Panuan	1810	BDL	BDL	BDL	BDL	0.022	BDL	BDL	0.003	5.21	0.10	16.32	BDL	12.67	30.46	21.38	Arsenic	CWPP (As) & Surface water project Kandowali	Covered
284	Amritsar	Majitha	Pandher	Pandher	1443	BDL	BDL	BDL	BDL	0.051	BDL	BDL	0.013	1.86	0.10	13.78	1.83	12.98	41.68	23.32	Arsenic	Surface water project Gonsal Afgana & RO Plant	Covered
285	Amritsar	Majitha	Ram Diwali Hinduan	Ram Diwali Hinduan	1291	NT	NT	NT	NT	0.024	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
286	Amritsar	Majitha	Roopowali Kalan	Roopowali Kalan	1209	NT	NT	NT	NT	0.030	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
287	Amritsar	Majitha	Roopowali Kalan	Roopowali Khurd	653	NT	NT	NT	NT	0.030	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
288	Amritsar	Majitha	Sohian Kalan	Sohian Kalan	3524	NA	NA	NA	NA	0.011	NA	NA	0.044	NA	0.50	NT	BDL	16.73	NT	NT	Arsenic	AIRP & Surface water project Kandowali	Covered
289	Amritsar	Majitha	Supariwind	Qila	373	0.002	0.000	0.001	BDL	0.022	0.000	BDL	0.259	3.19	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Kandowali	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
290	Amritsar	Majitha	Supariwind	Sapari Wind	765	0.002	0.000	0.001	BDL	0.022	0.000	BDL	0.259	3.19	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered
291	Amritsar	Majitha	Taragarh Rampur	Taragarh Ram Pura	596	0.002	0.000	0.000	0.000	0.022	0.000	0.001	0.063	7.58	0.05	2.12	0.37	1.47	20.84	45.68	Arsenic	HH Purifiers & Surface water project Gonsal Afgana	Covered
292	Amritsar	Majitha	Umarpura	Umarpura	301	NT	NT	NT	NT	0.025	NT	NT	0.389	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Gonsal Afgana	Covered
293	Amritsar	Majitha	Wadala	Wadala Viram	2816	BDL	0.000	0.000	BDL	0.063	BDL	BDL	0.451	1.41	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water project Gonsal Afgana	Covered
294	Amritsar	Majitha	Wadala Viram	Viram	1202	ND	ND	ND	ND	0.039	ND	ND	0.160	2.10	0.26	NT	2.60	NT	NT	NT	Arsenic	HH Purifiers & Surface water project Gonsal Afgana	Covered
295	Amritsar	Rayya	Harijan Basti(Niranjan pur Fattuwal)	Harijan Basti	200	ND	ND	ND	ND	0.016	ND	ND	1.000	13.6	0.31	NT	1.90	NT	NT	NT	Arsenic	HH Purifiers	Covered
296	Amritsar	Tarsikka	Bathu Chak	Khera Bala Chak	464	ND	ND	ND	ND	0.111	ND	ND	0.039	15	0.35	NT	47.93	NT	NT	NT	Arsenic	AIRP	Covered
297	Amritsar	Tarsikka	Sadhpur	Sadhpur	1099	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
298	Amritsar	Tarsikka	Sidhwan	Sidhwan	854	0.033	0.000	0.000	BDL	0.017	0.001	BDL	0.063	13.58	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
299	Amritsar	Verka	Guru Nanak Nagar	Guru Nanak Nagar (Indra)	1274	BDL	BDL	BDL	0.000	0.014	BDL	BDL	BDL	14.59	0.24	12.00	0.10	50.12	40.08	26.24	Arsenic	Not Covered	Under Consideration
300	Amritsar	Verka	ABADI RAMPURA	Abadi Rampura	1430	BDL	BDL	BDL	BDL	0.027	BDL	BDL	0.003	9.45	0.31	15.99	BDL	45.25	35.27	25.27	Arsenic	AIRP	Covered
301	Amritsar	Verka	Bal Sachandar	Ball	753	0.003	BDL	0.001	BDL	0.037	0.000	0.002	0.088	5.46	0.13	NT	BDL	7.05	49.70	18.47	Arsenic	Not Covered	Under Consideration
302	Amritsar	Verka	Bal Sachandar	Sachandar	1548	0.003	BDL	0.001	BDL	0.037	0.000	0.002	0.088	5.46	0.13	NT	BDL	7.05	49.70	18.47	Arsenic	Not Covered	Under Consideration
303	Amritsar	Verka	Bishamberpura	Bishamberpura	908	BDL	BDL	BDL	BDL	0.026	BDL	BDL	0.183	35.33	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
304	Amritsar	Verka	Fatehgarh Sukarchal	Fatehgarh Shukar Chak	4768	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
305	Amritsar	Verka	Fatehgarh Sukarchal	Nabhi Pur	506	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
306	Amritsar	Verka	Heir	Heir	3611	NT	NT	NT	NT	0.030	NT	NT	0.001	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
307	Amritsar	Verka	Jahangir	Jahangir	2346	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.002	3.79	0.52	17.99	0.02	38.13	92.91	27.22	Arsenic	AIRP	Covered
308	Amritsar	Verka	Jhita Khurd	Jhita Khurd	506	BDL	BDL	BDL	BDL	0.011	BDL	BDL	0.021	BDL	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
309	Amritsar	Verka	Loharka Khurd	Loharka Kalan	2398	BDL	BDL	BDL	BDL	0.019	BDL	BDL	0.018	8.10	0.31	3.90	0.79	3.71	NT	NT	Arsenic	AIRP	Covered
310	Amritsar	Verka	Loharka Khurd	Loharka Khurd	1149	BDL	BDL	BDL	BDL	0.035	BDL	BDL	0.002	3.41	0.12	13.99	BDL	15.70	36.87	24.30	Arsenic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
311	Amritsar	Verka	Mehnian Koharan	Mehnia n Kohara n	1844	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.090	7.09	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
312	Amritsar	Verka	Mira kot Kalan	Miran Kot Kalan	2674	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
313	Amritsar	Verka	Mira kot Kalan	Baba Tehal Singh Colony	417	BDL	BDL	BDL	BDL	0.043	BDL	BDL	BDL	7.34	NT	41.98	NT	NT	56.11	50.54	Arsenic	AIRP	Covered
314	Amritsar	Verka	Mira kot Kalan	Indera Colony	960	BDL	BDL	BDL	BDL	0.043	BDL	BDL	BDL	7.34	NT	41.98	NT	NT	56.11	50.54	Arsenic	AIRP	Covered
315	Amritsar	Verka	Miran Kot Khurd	Miran Kot Khurd	1152	BDL	BDL	BDL	0.000	0.047	BDL	BDL	0.034	7.48	NT	49.98	NT	NT	65.73	57.34	Arsenic	AIRP	Covered
316	Amritsar	Verka	Muradpura	Muradpura	3683	BDL	BDL	BDL	BDL	0.031	BDL	BDL	0.004	9.52	0.44	15.99	BDL	21.48	36.87	25.27	Arsenic	AIRP	Covered
317	Amritsar	Verka	Nangli	Daya Nand Nagar	1452	BDL	BDL	BDL	BDL	0.036	BDL	BDL	BDL	4.97	0.56	15.99	BDL	24.04	38.48	23.33	Arsenic	AIRP	Covered
318	Amritsar	Verka	Nangli	Mohan Avenue	300	BDL	BDL	BDL	BDL	0.036	BDL	BDL	BDL	4.97	0.56	15.99	BDL	24.04	38.48	23.33	Arsenic	Not Covered	Under Consideration
319	Amritsar	Verka	Nangli	Nangli	2637	BDL	BDL	BDL	BDL	0.036	BDL	BDL	BDL	4.97	0.56	15.99	BDL	24.04	38.48	23.33	Arsenic	AIRP	Covered
320	Amritsar	Verka	Nangli	Preet Nagar	598	BDL	BDL	BDL	BDL	0.036	BDL	BDL	BDL	4.97	0.56	15.99	BDL	24.04	38.48	23.33	Arsenic	Not Covered	Under Consideration
321	Amritsar	Verka	Naushera	Ek Roop Avenue	2700	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
322	Amritsar	Verka	Naushera	Ram Nagar Colony Naushe ra	1500	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
323	Amritsar	Verka	Naushera WM	Naushe ra	6450	NT	NT	NT	NT	0.030	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
324	Amritsar	Verka	Pandori Warraich	Pandori Waraich	5391	NT	NT	NT	NT	0.024	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
325	Amritsar	Verka	RAM NAGAR COLONY	Ram Nagar Colony	624	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
326	Amritsar	Verka	Wadala Bhittewad	Dhaul Kalan	2860	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
327	Amritsar	Verka	Wadala Bhittewad	Dhaul Khurd	437	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
328	Amritsar	Verka	Wadala Bhittewad	Kotla Dal Singh	264	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
329	Amritsar	Verka	Wadala Bhittewad	Wadala Bhittewind	4262	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
330	Barnala	Barnala	badbar	Badbar	6842	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	81.57	1.00	204.82	26.94	338.25	NT	NT	Uranium	RO Plant	Covered
331	Barnala	Barnala	cheema	Patti Sohlan	523	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	69.15	0.56	82.76	70.80	137.20	NT	NT	Uranium	RO Plant	Covered
332	Barnala	Barnala	KHUDDI KHURD	Khuddi Khurd	1406	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.72	2.62	85.53	0.67	101.77	NT	NT	Fluoride	RO Plant	Covered
333	Barnala	Sehna	Cheema	Cheema	6358	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	62.50	0.54	93.96	64.01	193.79	NT	NT	Nitrate	RO Plant	Covered
334	Barnala	Sehna	Maur Nabha	Maur Nabha	7197	BDL	BDL	0.006	BDL	BDL	BDL	BDL	BDL	74.02	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
335	Barnala	Sehna	Maur Nabha	Maur Nabha	174	BDL	BDL	0.006	BDL	BDL	BDL	BDL	BDL	74.02	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
336	Barnala	Sehna	Ramgarh	Ramgarh	3010	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	109.18	1.92	25.18	17.87	123.31	NT	NT	Fluoride	RO Plant	Covered
337	Barnala	Sehna	Tajoke	Tajoke	4426	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	572.21	NT	NT	Sulphate	RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
338	Bathinda	Bhagta Bhai Ka	Burj Ladha Singh wala	Burj Ladha singh wala	2274	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	61.04	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
339	Bathinda	Nathan a	Kalyan Malka	Kalyan Malki	1778	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	79.04	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
340	Bathinda	Rampu ra	Nandgarh Kotra	Nandga rh kotra	1524	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NA	1123.26	NA	NT	Sul pha te	RO Plant	Covered
341	Faridkot	Faridko t	Arraian Wala Kalan	Pipli	727	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	633.16	NT	NT	Sul pha te	RO Plant	Covered
342	Faridkot	Faridko t	Faridkot Rural	Faridko t Rural	11200	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.50	NT	10.00	BDL	32.00	17.00	Flu orid e	RO Plant	Covered
343	Faridkot	Jaitu	Burj Hari Ke	Burj Hari Ka	2719	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	470.56	NT	NT	Sul pha te	Covered with Canal based scheme & RO Plant	Covered
344	Faridkot	Jaitu	Burj Hari Ke	Rasta Burj Jawaha r Singh Wala	120	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	470.56	NT	NT	Sul pha te	Covered with Canal based scheme & RO Plant	Covered
345	Faridkot	Kot Kupura	Dhiman Wali	Basti Field outside	160	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.60	NT	NT	NT	NT	NT	Flu orid e	CWPP- Fluoride & Covered with Canal based scheme	Covered
346	Faridkot	Kot Kupura	Dhiman Wali	Basti Wander jatana road	205	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.60	NT	NT	NT	NT	NT	Flu orid e	CWPP- Fluoride & Covered with Canal based scheme	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
347	Faridkot	Kot Kupura	Dhiman Wali	DHIMA N WALI	2927	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.60	NT	NT	NT	NT	NT	Flu orid e	Covered with Canal based scheme & RO Plant	Covered
348	Faridkot	Kot Kupura	Dhiman Wali	Harrijan colony	141	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.60	NT	NT	NT	NT	NT	Flu orid e	CWPP- Fluoride & Covered with Canal based scheme	Covered
349	Faridkot	Kot Kupura	Dhiman Wali	Harrijan colony dwarea na road	143	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.60	NT	NT	NT	NT	NT	Flu orid e	CWPP- Fluoride & Covered with Canal based scheme	Covered
350	Fatehgar h Sahib	Amloh	Lakha Singh Wala	Chehla n	428	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	75.5 4	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
351	Fatehgar h Sahib	Amloh	Lakha Singh Wala	Dharam garh	634	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	75.5 4	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
352	Fatehgar h Sahib	Amloh	Lakha Singh Wala	Lakha Singh Wala	801	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	75.5 4	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
353	Fatehgar h Sahib	Bassi Pathana	DADIANA	Dadian a	878	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12.3 7	2.01	43.21	20.22	59.22	37.23	17.72	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
354	Fatehgar h Sahib	Bassi Pathana	Khanpur Sodian	Khanpu r	1110	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	155.41	NT	NT	NT	Nitr ate	Not Covered	Under Considerati on
355	Fatehgar h Sahib	Bassi Pathana	Khanpur Sodian	Naraing arh/ Shekhu pur	675	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	155.41	NT	NT	NT	Nitr ate	Merged with MC	Covered
356	Fatehgar h Sahib	Khera	Badali Ala Singh	Badali Ala Singh	1984	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.54	19.94	1.54	83.69	30.77	19.71	Flu orid e	CWPP- Fluoride & Surface Water Project	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
																						Nanowal	
357	Fatehgar h Sahib	Khera	Badali Mai Ki	Badali Mai Ki	778	BDL	0.007	BDL	BDL	BDL	BDL	BDL	BDL	21.97	1.55	160.53	4.78	221.16	40.67	41.62	Fluorid e	Surface Water Project Nanowal & RO Plant	Covered
358	Fatehgar h Sahib	Khera	Balara	Balara	865	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	41.80	1.67	14.02	BDL	91.95	14.47	11.46	Fluorid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
359	Fatehgar h Sahib	Khera	Bhagrana	Bhagra na	2851	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.40	2.25	52.05	BDL	89.95	6.36	2.92	Fluorid e	Surface Water Project Nanowal & RO Plant	Covered
360	Fatehgar h Sahib	Khera	Bhaini Kalan	BhainiK alan	650	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	20.87	1.68	4.55	1.01	28.86	35.61	27.14	Fluorid e	Surface Water Project Nanowal & RO Plant	Covered
361	Fatehgar h Sahib	Khera	Bhaini Kalan	Dhollan	370	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	20.87	1.68	4.55	1.01	28.86	35.61	27.14	Fluorid e	Surface Water Project Nanowal & RO Plant	Covered
362	Fatehgar h Sahib	Khera	Bhaini Kalan	Naraing arh	209	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	20.87	1.68	4.55	1.01	28.86	35.61	27.14	Fluorid e	Surface Water Project Nanowal & RO Plant	Covered
363	Fatehgar h Sahib	Khera	Bhua Kheri	BhuaKheri	464	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.82	1.68	44.59	15.45	88.53	27.68	13.26	Fluorid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
364	Fatehgar h Sahib	Khera	Cholti Kheri	CholtiK heri	425	BDL	0.034	BDL	BDL	BDL	BDL	BDL	0.110	35.55	2.38	412.36	84.49	249.19	NT	NT	Fluorid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l - no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
365	Fatehgar h Sahib	Khera	Chunni Kalan	Chunni Kalan	2813	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.66	26.74	1.90	51.70	19.47	14.38	Flu orid e	Surface Water Project Nanowal & RO Plant	Covered
366	Fatehgar h Sahib	Khera	Chunni Khurd	Chunni Khurd	1998	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.79	2.55	21.93	0.62	61.11	7.33	5.41	Flu orid e	Surface Water Project Nanowal & RO Plant	Covered
367	Fatehgar h Sahib	Khera	Chunni Majra	Chunni Majra	800	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	35.78	2.52	13.24	0.65	145.67	12.52	10.66	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
368	Fatehgar h Sahib	Khera	Daultpur	Bhagat pur	590	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.013	BDL	1.53	47.62	16.13	76.76	11.27	2.11	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
369	Fatehgar h Sahib	Khera	Daultpur	Daulatp ur	150	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.013	BDL	1.53	47.62	16.13	76.76	11.27	2.11	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
370	Fatehgar h Sahib	Khera	Daultpur	Tajpur	386	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.013	BDL	1.53	47.62	16.13	76.76	11.27	2.11	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
371	Fatehgar h Sahib	Khera	Hama	Hama	713	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.47	31.10	0.78	157.03	10.75	7.96	Flu orid e	Surface Water Project Nanowal & RO Plant	Covered
372	Fatehgar h Sahib	Khera	Jhampur	Jhampu r	1318	BDL	BDL	BDL	BDL	0.006	BDL	BDL	0.017	BDL	3.01	53.11	BDL	87.99	12.33	6.12	Flu orid e	Surface Water Project Nanowal & RO Plant	Covered
373	Fatehgar h Sahib	Khera	Kheri Bhai Ki	Kheri Bhai Ki	723	BDL	0.010	BDL	BDL	BDL	BDL	BDL	BDL	23.31	1.58	15.30	5.99	28.58	38.18	29.55	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l/- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
374	Fatehgar h Sahib	Khera	Manhera Jattan	Manher a Jattan	734	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.51	13.23	6.08	32.08	23.10	29.20	Flu orid e	Surface Water Project Nanowal & RO Plant	Covered
375	Fatehgar h Sahib	Khera	Mukaronpur	Isarhail	967	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.019	18.90	2.26	84.75	14.85	197.51	28.30	12.36	Flu orid e	Surface Water Project Nanowal & RO Plant	Covered
376	Fatehgar h Sahib	Khera	Mukaronpur	Makaro npur	614	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	18.21	1.69	76.66	0.93	270.87	19.04	11.10	Flu orid e	Surface Water Project Nanowal & RO Plant	Covered
377	Fatehgar h Sahib	Khera	Patarsi Khurd	Patarsi Khurd	267	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.73	NT	NT	NT	NT	NT	Flu orid e	Surface Water Project Nanowal & RO Plant	Covered
378	Fatehgar h Sahib	Khera	Rajindergar h	Rajinde rgarh	1630	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.85	1.67	13.10	1.27	106.61	22.17	18.29	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
379	Fatehgar h Sahib	Khera	Rajindergar h	Sadhug arh	157	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.85	1.67	13.10	1.27	106.61	22.17	18.29	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
380	Fatehgar h Sahib	Khera	Rampur	Rampur	1109	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.97	NT	NT	NT	NT	NT	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
381	Fatehgar h Sahib	Khera	Rasulpur	Rasulp ur	1372	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.15	1.62	34.89	0.42	71.58	8.23	2.48	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered
382	Fatehgar h Sahib	Khera	Sindhran	Salemp ur	695	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.62	69.58	0.63	88.15	5.49	2.05	Flu orid e	CWPP- Fluoride & Surface Water Project Nanowal	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
383	Fatehgar h Sahib	Khera	Sindhran	Sindhra n	463	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.62	69.58	0.63	88.15	5.49	2.05	Flu orid e	Surface Water Project Nanawal & RO Plant	Covered
384	Fatehgar h Sahib	Khera	Timberpur	Timber pur	949	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.03	199.4 1	0.87	259.9 4	22.77	16.36	Flu orid e	Surface Water Project Nanawal & RO Plant	Covered
385	Fatehgar h Sahib	Sirhind	Behlolpur	Behlohp ur	865	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	41.1 4	2.44	39.44	0.93	269.7 0	27.63	22.62	Flu orid e	RO Plant	Covered
386	Fatehgar h Sahib	Sirhind	Behlolpur	Dera Behlohp ur	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	41.1 4	2.44	39.44	0.93	269.7 0	27.63	22.62	Flu orid e	CWPP- Fluoride	Covered
387	Fatehgar h Sahib	Sirhind	Jhingran	Jhingra	557	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.90	200.0 3	BDL	423.7 0	13.25	21.21	Flu orid e	CWPP- Fluoride	Covered
388	Fatehgar h Sahib	Sirhind	Kotla Jattan	Kotla Jattan	572	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	57.3 9	1.57	107.5 6	0.63	288.8 1	NT	NT	Flu orid e	Not Covered	Under Considerati on
389	Fatehgar h Sahib	Sirhind	Mahamdipur	Maham dipur	846	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.220	19.1 9	1.78	81.06	1.14	271.4 7	23.08	16.83	Flu orid e	CWPP- Fluoride	Covered
390	Fatehgar h Sahib	Sirhind	Panjola	Panjola	657	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.29	2195. 90	BDL	780.1 4	NT	NT	Sul pha te	Not Covered	Under Considerati on
391	Fatehgar h Sahib	Sirhind	Reona Ucha & Niwan	Reona Ucha	1053	ND	ND	ND	ND	ND	ND	ND	0.125	23.1 0	1.68	NT	6.43	NT	NT	NT	Flu orid e	RO Plant	Covered
392	Fazilka	Arniwal a Sheikh Suban	Shama Khan Ke	Shama Khan ke	1561	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1048. 06	NT	NT	Sul pha te	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
393	Fazilka	Fazilka	Alam Shah	Alam Shah	1691	NT	NT	NT	NT	BDL	NT	NT	NT	NT	2.59	NT	NT	NT	NT	NT	Flu orid e	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
394	Fazilka	Fazilka	Asaf Wala	Asaf Wala	1752	NT	NT	NT	NT	NT	NT	NT	NT	15.87	2.47	NT	NT	476.72	NT	NT	Flu orid e	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
395	Fazilka	Fazilka	Behak Khas	Behak Khas	1800	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	500.21	NT	NT	Sul pha te	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
396	Fazilka	Fazilka	Beri Wala	Dhani Tirok Singh	97	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.76	232.89	10.89	549.32	NT	NT	Sul pha te	Surface Water Project Patre Wala, Abohar	Covered
397	Fazilka	Fazilka	Beri Wala	Qutabdi n Urf Beriwal a	253	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.76	232.89	10.89	549.32	NT	NT	Sul pha te	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
398	Fazilka	Fazilka	Dhani jhanger bhaini	Jhange r Bhaini	1538	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.81	195.71	2.54	414.02	NT	NT	Sul pha te	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
399	Fazilka	Fazilka	Dhani jhanger bhaini	Rete Wali Bhaini	457	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.81	195.7 1	2.54	414.0 2	NT	NT	Sulpha te	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
400	Fazilka	Fazilka	Dhani Turkan Wali	Turkan Wali	113	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.40	296.3 5	6.29	699.1 8	NT	NT	Sulpha te	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
401	Fazilka	Fazilka	Ganjuana	Ganjua na	1824	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.013	64.1 8	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
402	Fazilka	Fazilka	Ganjuana	Shams habad	198	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.013	64.1 8	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & Uranium Cum Iron Household Purifier	Covered
403	Fazilka	Fazilka	Hasta Kalan	Hasta Kalan	4644	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.262	68.6 9	0.78	136.8 2	0.80	417.6 5	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
404	Fazilka	Fazilka	Jorki Kankar Wali	Jaurki Kankar Wali	1626	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.041	78.88	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
405	Fazilka	Fazilka	Kabul Shah Hithar	Kabul Shah Hittar	727	BDL	0.001	BDL	BDL	0.002	BDL	BDL	0.002	92.28	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
406	Fazilka	Fazilka	Killi	Killi	152	NT	NT	NT	NT	0.060	NT	NT	NT	NT	0.50	NT	NT	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Surface Water Project Ghattian Wali Bodla, Fazilka	Covered
407	Fazilka	Fazilka	Kotha Alias Lakhman pura	Kotha Alias Lakhman pura	1828	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.34	68.57	4.78	180.49	12.03	13.13	Fluoride	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
408	Fazilka	Fazilka	Mohamad Pira	Mohamad Amira	998	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	65.59	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
409	Fazilka	Fazilka	Mohamad Pira	Mohamad Pira	1361	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	65.59	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
410	Fazilka	Fazilka	Mumbe Ke	Mumbe Ke	812	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	75.60	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
411	Fazilka	Fazilka	Mumbe Ke	Nawan Mumbe Ke	157	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	75.60	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
412	Fazilka	Fazilka	Mumbe Ke	Nur Mohamed	649	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	75.60	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
413	Fazilka	Fazilka	Mumbe Ke	Qadar Baksh	134	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	75.60	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
414	Fazilka	Fazilka	Pacca Chisty	Paka Chisty	1835	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	61.18	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Patre Wala, Abohar & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
415	Fazilka	Fazilka	Panchan Wali	Pancha n Wali	1950	BDL	0.001	BDL	0.000	0.001	BDL	0.004	0.002	102.98	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
416	Fazilka	Fazilka	Ram Nagar Alias Jatwali	Maini Basti	1709	BDL	0.002	0.003	BDL	0.003	BDL	BDL	0.002	173.37	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
417	Fazilka	Fazilka	Ram Nagar Alias Jatwali	Ram Nagar Alias Jatwali	811	BDL	0.002	0.003	BDL	0.003	BDL	BDL	0.002	173.37	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
418	Fazilka	Fazilka	Rana	Ghania ni	80	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.47	304.79	2.10	525.22	NT	NT	Sul pha te	Surface Water Project Ghattian Wali Bodla, Fazilka	Covered
419	Fazilka	Fazilka	Rana	Rana	1912	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.47	304.79	2.10	525.22	NT	NT	Sul pha te	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
420	Fazilka	Fazilka	Saidon-Ke-Hittar	Saido Ke Hittar	1421	BDL	0.001	BDL	BDL	0.002	BDL	BDL	BDL	60.07	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
421	Fazilka	Fazilka	Saleem Shah	New Salem Shah	626	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	79.44	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
422	Fazilka	Fazilka	Saleem Shah	Salem Shah	2922	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	79.44	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
423	Fazilka	Fazilka	Theh Qalandar	Theh Qulander	852	NT	NT	NT	NT	NT	NT	NT	NT	58.91	NT	NT	NT	403.30	NT	NT	Sul phate	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
424	Fazilka	Fazilka	Walle Shah uttar	Walle Shah uttar	1538	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.71	153.43	1.38	512.68	NT	NT	Sul phate	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
425	Fazilka	Jalalabad	Bahmni Wala	Bahmni Wala	4187	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.171	85.93	0.57	509.93	5.75	891.95	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
426	Fazilka	Jalalabad	Behak Hasta Uttar	Behak Hasta Uttar	1951	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	529.19	NT	NT	Sul phate	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
427	Fazilka	Jalalab ad	Ch. Arni Wala	Ch.Ro man Wala	1131	NT	NT	NT	0.005	0.019	NT	NT	NT	239.30	9.34	NT	NT	1015.42	NT	NT	Arsenic	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
428	Fazilka	Jalalab ad	Ch. Arni Wala	Chak Arniwala	1748	NT	NT	NT	0.005	0.019	NT	NT	NT	239.30	9.34	NT	NT	1015.42	NT	NT	Arsenic	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
429	Fazilka	Jalalab ad	Ch. Arryain Wala	Ch. Arryian Wala	4004	NT	NT	NT	NT	NT	NT	NT	NT	0.80	306.16	1.73	513.12	NT	NT	Sulphate	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered	
430	Fazilka	Jalalab ad	Ch. Arryain Wala	Fallian Wala	481	NT	NT	NT	NT	NT	NT	NT	NT	0.80	306.16	1.73	513.12	NT	NT	Sulphate	Surface Water Project Ghattian Wali Bodla, Fazilka	Covered	
431	Fazilka	Jalalab ad	Ch. Bhamba Wattu	Ch. Bhamba Wattu	647	BDL	0.009	BDL	0.000	0.003	BDL	BDL	BDL	237.65	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
432	Fazilka	Jalalab ad	Ch. Bhamba Wattu	Jawale wala	195	BDL	0.009	BDL	0.000	0.003	BDL	BDL	BDL	237.65	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
433	Fazilka	Jalalab ad	Ch. Chapri Wala	Ch. Chappri Wala	618	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1410.00	NT	NT	Sulpha te	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
434	Fazilka	Jalalab ad	Ch. Chapri Wala	Ch. Lakho Wali	952	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1410.00	NT	NT	Sulpha te	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
435	Fazilka	Jalalab ad	Ch. Dhumal	Ch. Dhumal	883	NT	NT	NT	NT	BDL	NT	NT	NT	318.27	14.54	NT	NT	NT	NT	NT	Fluorid e	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
436	Fazilka	Jalalab ad	Ch. Mochan Wala	Ch.Moc han Wala	627	0.001	0.001	BDL	BDL	0.002	BDL	BDL	BDL	136.02	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
437	Fazilka	Jalalab ad	Ch. Mohamde Wala	Ch. Moham de Wala	1177	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	482.91	NT	NT	Sulpha te	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
438	Fazilka	Jalalabad	Ch. Moujдин Wala urf Surgury	Chak Mojдин wala Urf Surghuri	2205	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.94	193.59	2.86	458.00	NT	NT	Sulphate	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
439	Fazilka	Jalalabad	Ch. Sotiran	Basti Bawria n	110	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	96.82	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
440	Fazilka	Jalalabad	Ch. Sotiran	Ch. Sotrian	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	96.82	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
441	Fazilka	Jalalabad	Ch. Sotiran	Dhani Chowdhri Chhanga Ram	302	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	96.82	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
442	Fazilka	Jalalabad	Ch. Sukhera	Chak Sukhera Urf Balaki Wala	924	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.079	143.47	2.16	150.60	24.36	315.52	NT	NT	Fluoride	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
443	Fazilka	Jalalabad	Dhandi Khurd	Dhandi Khurd	1005	NT	NT	NT	NT	0.019	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
444	Fazilka	Jalalab ad	Dhandi Khurd	Dhani Foola Singh	229	NT	NT	NT	NT	0.019	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface Water Project Ghattian Wali Bodla, Fazilka	Covered
445	Fazilka	Jalalab ad	Dhani Baz Singh, Basti Storan Wali & Dhani Mohar Singh Wala	Basti Baz Singh	216	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.73	152.88	3.76	464.28	NT	NT	Sulphate	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
446	Fazilka	Jalalab ad	Dhani Baz Singh, Basti Storan Wali & Dhani Mohar Singh Wala	Basti Sotrian Wali	95	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.73	152.88	3.76	464.28	NT	NT	Sulphate	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
447	Fazilka	Jalalab ad	Dhani Simrian Wali	Simre Wala	483	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	62.28	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
448	Fazilka	Jalalab ad	Ghubhaya	Mouje Wala	107	NT	NT	NT	NT	NT	NT	NT	NT	67.53	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
449	Fazilka	Jalalab ad	Kirian Wali	Kirian Wali	1154	NT	NT	NT	NT	NT	NT	NT	NT	49.50	NT	NT	NT	612.62	NT	NT	Sulphate	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
450	Fazilka	Jalalab ad	Ladhuka	Ladhu Ka	4803	BDL	0.005	BDL	0.005	0.010	BDL	BDL	BDL	86.72	1.39	176.70	27.91	450.74	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
451	Fazilka	Jalalab ad	Mohkam Arrayian	Dhani Jajj Singh	328	NT	NT	NT	NT	NT	NT	NT	NT	1.60	NT	NT	NT	NT	NT	NT	Fluoride	CWPP- Fluoride & Surface Water Project Ghattian Wali Bodla, Fazilka	Covered
452	Fazilka	Jalalab ad	Mohkam Arrayian	Mohkam Arain	2803	NT	NT	NT	NT	NT	NT	NT	NT	1.60	NT	NT	NT	NT	NT	NT	Fluoride	CWPP- Fluoride & Surface Water Project Ghattian Wali Bodla, Fazilka	Covered
453	Fazilka	Jalalab ad	Parbhat Singh Wala	Attu Wala	412	NT	NT	NT	NT	NT	NT	NT	NT	63.57	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Ghattian Wali Bodla, Fazilka	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
454	Fazilka	Jalalab ad	Parbhat Singh Wala	Parbhat Singh Wala hittar	1254	NT	NT	NT	NT	NT	NT	NT	NT	63.57	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
455	Fazilka	Jalalab ad	Singhe Wala	Ch. Punam Wala	452	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.98	170.66	6.21	406.44	NT	NT	Sul phate	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
456	Fazilka	Jalalab ad	Singhe Wala	Rangee la	608	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.98	170.66	6.21	406.44	NT	NT	Sul phate	Surface Water Project Ghattian Wali Bodla, Fazilka	Being Covered
457	Fazilka	Jalalab ad	Tottian Wala	Totain Wali	1185	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.32	NT	NT	NT	NT	NT	Flu oride	Surface Water Project Ghattian Wali Bodla, Fazilka & RO Plant	Covered
458	Ferozepur	Feroze pur	Ali Ka	Ali Ka	2270	BDL	BDL	BDL	BDL	0.014	BDL	BDL	0.043	13.53	0.81	8.96	BDL	59.02	NT	NT	Arsenic	CWPP (As)	Covered
459	Ferozepur	Feroze pur	Assal	Asal	371	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
460	Ferozepur	Feroze pur	Assal	Baghel Singh Wala	279	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
461	Ferozepur	Feroze pur	Attari	Attari	639	NT	NT	NT	NT	0.030	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l - no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
462	Ferozepur	Ferozepur	Attari	Tega Singh Wala	495	NT	NT	NT	NT	0.030	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
463	Ferozepur	Ferozepur	Attari	Usman Randhawa	77	NT	NT	NT	NT	0.030	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
464	Ferozepur	Ferozepur	Baj Singh Wala	Baj Singh Wala	1143	0.009	ND	0.008	ND	0.055	ND	ND	ND	10.10	NT	NT	NT	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog)	Covered
465	Ferozepur	Ferozepur	Fattu Wala Uttar	Fattu Wala	32	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.050	18.98	0.36	217.20	55.25	648.58	NT	NT	Nitrate	RO Plant	Covered
466	Ferozepur	Ferozepur	Hamad Wala	Baggu Wala	494	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	RO Plant	Covered
467	Ferozepur	Ferozepur	Hamad Wala	Hamad Wala	948	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & RO Plant	Covered
468	Ferozepur	Ferozepur	Hamad Wala	Kamala Middu	456	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
469	Ferozepur	Ferozepur	Katora	Katora	1057	NT	NT	NT	NT	0.037	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & RO Plant	Covered
470	Ferozepur	Ferozepur	Katora	Nizam Wala	1072	NT	NT	NT	NT	0.037	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
471	Ferozepur	Ferozepur	Palla Megha	Palla Megha	3008	BDL	BDL	BDL	BDL	0.019	BDL	BDL	0.215	BDL	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
472	Ferozepur	Ferozepur	Rajji Wala	Gillan Wala	811	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
473	Ferozepur	Ghal Khurd	Bagge Ke Pipal	Bagge Ke Pipal	2662	BDL	BDL	BDL	BDL	0.013	BDL	BDL	0.024	27.27	0.21	7.85	15.01	25.10	NT	NT	Arsenic	RO Plant	Covered
474	Ferozepur	Ghal Khurd	Bhamba Landa	Bhamba Landa	1121	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.068	38.63	0.27	517.22	92.84	761.53	NT	NT	Nitrate	RO Plant	Covered
475	Ferozepur	Ghal Khurd	Chander	Chander	1292	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	58.13	1.77	260.98	217.35	403.49	NT	NT	Fluoride	RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
476	Ferozepur	Ghal Khurd	Dhidsa	Dhindsa	1128	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	99.13	0.52	187.82	49.40	370.63	NT	NT	Uranium	RO Plant	Covered
477	Ferozepur	Ghal Khurd	Feroze Shah	Feroze shah	3609	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	122.70	0.39	217.96	18.84	119.41	NT	NT	Uranium	RO Plant	Covered
478	Ferozepur	Ghal Khurd	Haraj	Haraj	3218	BDL	0.009	BDL	BDL	BDL	BDL	BDL	BDL	112.94	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
479	Ferozepur	Ghal Khurd	Kalie Wala etc	Kaile Wala	1097	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NA	1207.11	NA	NT	Sulphate	RO Plant	Covered
480	Ferozepur	Ghal Khurd	Karmu wala	Bajja Kotwal	106	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	87.62	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
481	Ferozepur	Ghal Khurd	Karmu wala	Kamu Wala	1940	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	87.62	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
482	Ferozepur	Ghal Khurd	Karmu wala	Ratta Khera Gulab Singh	318	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	87.62	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
483	Ferozepur	Ghal Khurd	Kot Karor Kalan	Kot Karror Kalan	3980	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	71.64	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
484	Ferozepur	Ghal Khurd	Kot Karor Kalan	Kot Karror Khurd	914	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	71.64	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
485	Ferozepur	Ghal Khurd	Kot Karor Kalan	Kotla	364	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	71.64	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
486	Ferozepur	Ghal Khurd	Rukna Begu	Kasu Begu	1389	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	210.67	3.96	90.26	28.97	314.47	NT	NT	Fluoride	RO Plant	Covered
487	Ferozepur	Ghal Khurd	Rukna Begu	Rukna Begu	2028	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	210.67	3.96	90.26	28.97	314.47	NT	NT	Fluoride	RO Plant	Covered
488	Ferozepur	Ghal Khurd	Sodhi Nagar	Sodhi Nagar Urf Sultan Khera Wala	3267	BDL	BDL	BDL	BDL	0.013	BDL	BDL	0.045	22.66	0.97	85.77	BDL	178.11	NT	NT	Arsenic	RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
489	Ferozepur	Ghal Khurd	Ugo Ke	Ugo Ke	1015	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.011	85.69	0.78	45.44	31.74	212.99	NT	NT	Uranium	RO Plant	Covered
490	Ferozepur	Guru Harsahai	Ch. Saido Ke	Ch. Saido Ke	3333	BDL	BDL	BDL	0.084	BDL	BDL	BDL	0.040	91.35	0.99	701.99	4.88	1215.34	NT	NT	Uranium	Surface Water Project Sohargarh urf Ratte Wala, Ferozepur & RO Plant	Covered
491	Ferozepur	Guru Harsahai	Jamalgarh	Haddi Wala	897	BDL	BDL	BDL	BDL	0.010	BDL	BDL	BDL	76.19	0.77	517.80	185.30	1267.78	NT	NT	Uranium	Surface Water Project Sohargarh urf Ratte Wala, Ferozepur & RO Plant	Covered
492	Ferozepur	Guru Harsahai	Jamalgarh	Jamal Garh	806	BDL	BDL	BDL	BDL	0.010	BDL	BDL	BDL	76.19	0.77	517.80	185.30	1267.78	NT	NT	Uranium	Surface Water Project Sohargarh urf Ratte Wala, Ferozepur & RO Plant	Covered
493	Ferozepur	Guru Harsahai	Jhugge Talian Wale	Jhugge Talian Wale	336	BDL	BDL	BDL	BDL	0.005	BDL	BDL	0.037	159.59	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Sohargarh urf Ratte Wala, Ferozepur	Being Covered
494	Ferozepur	Guru Harsahai	Jhugge Mansa Singh	Jhugge Mansa Singh	39	BDL	BDL	BDL	BDL	BDL	BDL	0.001	BDL	73.65	NT	NT	NT	NT	NT	NT	Uranium	Not Covered	Under Consideration

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
495	Ferozepur	Guru Harsahai	Jiwan Arrian	Jiwan Arrian	2058	BDL	0.002	BDL	0.000	0.012	BDL	BDL	0.002	43.05	NT	15.71	1.02	NT	48.96	25.41	Arsenic	Surface Water Project Sohargarh urf Ratte Wala, Ferozepur & RO Plant	Covered
496	Ferozepur	Guru Harsahai	Jiwan Arrian	Rukhana Bodla	421	BDL	0.002	BDL	0.000	0.012	BDL	BDL	0.002	43.05	NT	15.71	1.02	NT	48.96	25.41	Arsenic	Surface Water Project Sohargarh urf Ratte Wala, Ferozepur & RO Plant	Covered
497	Ferozepur	Guru Harsahai	Jiwan Arrian	Tillu Arrian	275	BDL	0.002	BDL	0.000	0.012	BDL	BDL	0.002	43.05	NT	15.71	1.02	NT	48.96	25.41	Arsenic	Surface Water Project Sohargarh urf Ratte Wala, Ferozepur & RO Plant	Covered
498	Ferozepur	Guru Harsahai	Malikzada	Malikzada	900	BDL	0.002	BDL	0.000	0.003	BDL	BDL	0.002	84.40	BDL	73.90	11.05	BDL	28.74	15.78	Uranium	Surface Water Project Sohargarh urf Ratte Wala, Ferozepur & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
499	Ferozepur	Guru Harsahai	Mare Khurd	Mare Khurd	722	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.052	63.51	NT	NT	NT	NT	NT	NT	Ura nium	Surface Water Project Sohargarh urf Ratte Wala, Ferozepur	Being Covered
500	Ferozepur	Guru Harsahai	Sohargarh urf Ratte Wala	Sohan Garh urf Ratte	3321	ND	0.005	ND	ND	ND	ND	ND	1.980	96.50	3.18	NT	7.80	NT	NT	NT	Fluorid e	Surface Water Project Sohargarh urf Ratte Wala, Ferozepur & RO Plant	Covered
501	Ferozepur	Makhu	Nihal Ke	Aulakh	201	BDL	BDL	BDL	BDL	0.019	BDL	BDL	0.072	BDL	0.22	30.68	BDL	56.92	NT	NT	Arsenic	HH Purifiers	Covered
502	Ferozepur	Makhu	Nihal Ke	Bute Wala	829	BDL	BDL	BDL	BDL	0.019	BDL	BDL	0.072	BDL	0.22	30.68	BDL	56.92	NT	NT	Arsenic	CWPP (As)	Covered
503	Ferozepur	Mamdot	Burj Makhan Singh	Burj Makhan Singh	988	BDL	0.002	0.001	BDL	0.001	BDL	BDL	0.001	75.35	0.32	26.38	10.04	209.93	48.02	26.59	Ura nium	RO Plant	Covered
504	Ferozepur	Mamdot	Burj Makhan Singh	Jhok Mohre	680	BDL	0.002	0.001	BDL	0.001	BDL	BDL	0.001	75.35	0.32	26.38	10.04	209.93	48.02	26.59	Ura nium	RO Plant	Covered
505	Ferozepur	Mamdot	Burj Makhan Singh	Kot Gande Singh	235	BDL	0.002	0.001	BDL	0.001	BDL	BDL	0.001	75.35	0.32	26.38	10.04	209.93	48.02	26.59	Ura nium	RO Plant	Covered
506	Ferozepur	Mamdot	Burj Makhan Singh	Kot Mangal Singh	472	BDL	0.002	0.001	BDL	0.001	BDL	BDL	0.001	75.35	0.32	26.38	10.04	209.93	48.02	26.59	Ura nium	RO Plant	Covered
507	Ferozepur	Mamdot	Burj Makhan Singh	Lohra Nawab Singh	378	BDL	0.002	0.001	BDL	0.001	BDL	BDL	0.001	75.35	0.32	26.38	10.04	209.93	48.02	26.59	Ura nium	Not Covered	Under Considerati on
508	Ferozepur	Zira	Chabba	Chabba	1248	BDL	BDL	BDL	BDL	0.023	BDL	BDL	BDL	6.14	0.63	28.61	BDL	47.46	NT	NT	Arsenic	RO Plant	Covered
509	Ferozepur	Zira	Mankian Wali	Mankian Wali	653	BDL	0.017	BDL	BDL	BDL	BDL	BDL	0.017	81.60	0.50	238.23	26.40	495.07	NT	NT	Ura nium	RO Plant	Covered
510	Ferozepur	Zira	Nile Wala	Nile Wala	678	NT	NT	NT	NT	0.012	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
511	Gurdaspur	Batala	CHURAN WALI	Choran wali	617	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.130	7.86	BDL	2.69	0.77	27.75	NT	NT	Arsenic	HH Purifiers	Covered
512	Gurdaspur	Batala	Nangal	Nangal	619	BDL	BDL	BDL	BDL	0.014	BDL	BDL	BDL	BDL	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
513	Gurdaspur	Batala	RANGAR NANGAL	Rangar Nangal	2310	BDL	BDL	BDL	BDL	0.036	BDL	BDL	NT	NT	0.29	2.79	0.59	5.07	NT	NT	Arsenic	AIRP	Covered
514	Gurdaspur	Batala	Talwandi Bhaktha	Talwan di Bhaktha	802	BDL	BDL	BDL	BDL	0.077	BDL	BDL	0.013	BDL	0.19	3.05	0.95	6.28	NT	NT	Arsenic	AIRP	Covered
515	Gurdaspur	Batala	Talwandi Jhurian	Talwan di Jeuran	1388	BDL	BDL	BDL	BDL	0.072	BDL	BDL	0.015	BDL	0.19	2.61	1.39	6.12	NT	NT	Arsenic	AIRP	Covered
516	Gurdaspur	Dera Baba Nanak	ABADI RAMPUR	Abadi Rampur	90	NT	NT	NT	NT	0.034	NT	NT	0.013	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
517	Gurdaspur	Dera Baba Nanak	ABDAL	Abdal	834	NT	NT	NT	NT	0.033	NT	NT	NT	NT	NT	NT	NT	19.67	NT	NT	Arsenic	CWPP (As)RO Plant & Surface water Project Parawal	Covered
518	Gurdaspur	Dera Baba Nanak	Athwal	Athwal	765	0.500	0.000	0.000	0.000	0.030	0.060	0.000	0.130	0.55	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
519	Gurdaspur	Dera Baba Nanak	BAL	Bal	123	BDL	BDL	BDL	BDL	0.019	BDL	BDL	BDL	BDL	0.33	2.09	0.69	5.01	NT	NT	Arsenic	HH Purifiers	Covered
520	Gurdaspur	Dera Baba Nanak	Bariar	Bariar	403	BDL	BDL	BDL	BDL	0.036	BDL	BDL	0.006	0.58	BDL	BDL	BDL	BDL	NT	NT	Arsenic	CWPP (As)	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
521	Gurdasp ur	Dera Baba Nanak	BOMB	Bomb	401	ND	ND	ND	ND	0.058	ND	ND	NT	3.20	NT	NT	NT	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Surface water Project Parowal	Covered
522	Gurdasp ur	DERA BABA NANAK	Daburji Gawara	Daburji	730	BDL	BDL	BDL	BDL	0.028	BDL	BDL	0.130	BDL	0.36	2.50	1.00	5.92	56.07	8.70	Arsenic	AIRP & Surface Water Project Kunjar	Covered
523	Gurdasp ur	Dera Baba Nanak	Daburji Gawara	Gawara	1122	BDL	BDL	BDL	BDL	0.028	BDL	BDL	0.130	BDL	0.36	2.50	1.00	5.92	56.07	8.70	Arsenic	AIRP & Surface Water Project Kunjar	Covered
524	Gurdasp ur	Dera Baba Nanak	Daburji Gawara	Nabi Nagar	521	BDL	BDL	BDL	BDL	0.028	BDL	BDL	0.130	BDL	0.36	2.50	1.00	5.92	56.07	8.70	Arsenic	AIRP & Surface Water Project Kunjar	Covered
525	Gurdasp ur	Dera Baba Nanak	Daburji Gawara	Tapala	474	BDL	BDL	BDL	BDL	0.028	BDL	BDL	0.130	BDL	0.36	2.50	1.00	5.92	56.07	8.70	Arsenic	AIRP & Surface Water Project Kunjar	Covered
526	Gurdasp ur	Dera Baba Nanak	Dargabad	Dargab ad	1680	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.013	2.64	0.59	11.71	1.72	21.32	NT	NT	Arsenic	CWPP (As)	Covered
527	Gurdasp ur	Dera Baba Nanak	Dargabad	Dolowal	343	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.013	2.64	0.59	11.71	1.72	21.32	NT	NT	Arsenic	HH Purifiers	Covered
528	Gurdasp ur	Dera Baba Nanak	Dharowali	Dharow ali	1262	0.190	0.000	0.000	0.000	0.030	0.000	0.010	0.070	1.20	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
529	Gurdasp ur	Dera Baba Nanak	Dharowali	Nurpur	403	0.190	0.000	0.000	0.000	0.030	0.000	0.010	0.070	1.20	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
530	Gurdaspur	Dera Baba Nanak	Dharowali	Taruwali	291	0.190	0.000	0.000	0.000	0.030	0.000	0.010	0.070	1.20	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
531	Gurdaspur	Dera Baba Nanak	Dhianpur	Basant Kot	539	NT	NT	NT	NT	0.023	NT	NT	NT	NT	NT	NT	NT	403.30	NT	NT	Arsenic	CWPP (As)	Covered
532	Gurdaspur	Dera Baba Nanak	Dhianpur	Dhianpur	3564	NT	NT	NT	NT	0.023	NT	NT	NT	NT	NT	NT	NT	403.30	NT	NT	Arsenic	CWPP (As)	Covered
533	Gurdaspur	Dera Baba Nanak	Dhianpur	Shah Samah	628	NT	NT	NT	NT	0.023	NT	NT	NT	NT	NT	NT	NT	403.30	NT	NT	Arsenic	CWPP (As)	Covered
534	Gurdaspur	Dera Baba Nanak	Gazi Nangal	Gazi Nangal	697	NT	NT	NT	NT	0.025	NT	NT	0.136	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
535	Gurdaspur	Dera Baba Nanak	Ghanie Ke Bet	Ghanie Ke Bet	565	NT	NT	NT	NT	0.018	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
536	Gurdaspur	Dera Baba Nanak	Gur Chack	Gur Chack	516	NT	NT	NT	NT	0.038	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
537	Gurdaspur	Dera Baba Nanak	Haruwal	Haruwal	1776	BDL	BDL	BDL	BDL	0.038	BDL	BDL	BDL	BDL	0.27	1.55	1.10	6.25	NT	NT	Arsenic	CWPP (As)	Covered
538	Gurdaspur	Dera Baba Nanak	HAVELI KALAN	Haveli Kalan	450	NT	NT	NT	NT	0.050	NT	NT	0.149	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
539	Gurdaspur	Dera Baba Nanak	JEEWAN NANGAL	Alli Nangal	570	BDL	BDL	BDL	BDL	0.021	BDL	BDL	0.007	0.53	0.51	9.22	1.66	5.95	NT	NT	Arsenic	CWPP (As)	Covered
540	Gurdaspur	Dera Baba Nanak	JEEWAN NANGAL	Jeewan Nangal	651	BDL	BDL	BDL	BDL	0.021	BDL	BDL	0.007	0.53	0.51	9.22	1.66	5.95	NT	NT	Arsenic	CWPP (As)	Covered
541	Gurdaspur	Dera Baba Nanak	Jourian Kalan	Jourian Kalan	1275	NT	NT	NT	NT	0.034	NT	NT	NT	NT	NT	NT	NT	156.46	NT	NT	Arsenic	AIRP	Covered
542	Gurdaspur	Dera Baba Nanak	Jourian Kalan	Phako Ke Mahmran	735	NT	NT	NT	NT	0.034	NT	NT	NT	NT	NT	NT	NT	156.46	NT	NT	Arsenic	AIRP	Covered
543	Gurdaspur	Dera Baba Nanak	JOURIAN KHURD	Chandu Nangal	403	BDL	BDL	BDL	BDL	0.027	BDL	BDL	0.002	2.03	0.54	3.75	1.94	8.73	NT	NT	Arsenic	HH Purifiers - M/s Bansal	Covered
544	Gurdaspur	Dera Baba Nanak	JOURIAN KHURD	Jourian Khurd	1233	BDL	BDL	BDL	BDL	0.027	BDL	BDL	0.002	2.03	0.54	3.75	1.94	8.73	NT	NT	Arsenic	CWPP (As)	Covered
545	Gurdaspur	Dera Baba Nanak	KAHLANW ALI	Kahlan wali	1159	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
546	Gurdaspur	Dera Baba Nanak	KAHLANW ALI	Khalilpur	460	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
547	Gurdaspur	Dera Baba Nanak	Khana Chamarn	Khana Chamarn	600	NT	NT	NT	NT	0.034	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
548	Gurdaspur	Dera Baba Nanak	Khana Chamam	Khode Bet	1100	NT	NT	NT	NT	0.034	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
549	Gurdaspur	Dera Baba Nanak	KOTHA	Kotha	1002	BDL	BDL	BDL	0.000	0.026	BDL	BDL	BDL	0.51	0.63	7.85	6.33	10.85	NT	NT	Arsenic	CWPP (As)	Covered
550	Gurdaspur	Dera Baba Nanak	Lukmania	Lukmania	690	BDL	BDL	BDL	BDL	0.031	BDL	BDL	0.003	2.00	BDL	0.36	BDL	BDL	NT	NT	Arsenic	CWPP (As)	Covered
551	Gurdaspur	Dera Baba Nanak	Mahlowali	Mangian	1098	ND	ND	ND	ND	0.054	ND	ND	NT	BDL	0.33	NT	1.46	NT	NT	NT	Arsenic	HH Purifiers & Surface water Project Parawal	Covered
552	Gurdaspur	Dera Baba Nanak	Mahlowali	Mohlowali	729	ND	ND	ND	ND	0.054	ND	ND	NT	BDL	0.33	NT	1.46	NT	NT	NT	Arsenic	Surface water Project Parawal & AIRP & HH Purifiers	Covered
553	Gurdaspur	Dera Baba Nanak	Malakpur	Ari Bhan	1285	NT	NT	NT	NT	0.031	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
554	Gurdaspur	Dera Baba Nanak	Malakpur	Malakpur	491	NT	NT	NT	NT	0.031	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
555	Gurdaspur	Dera Baba Nanak	Megha	Dharam Kot Randhawa	3210	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Being Covered
556	Gurdaspur	Dera Baba Nanak	Megha	Megha	416	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Being Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
557	Gurdaspur	Dera Baba Nanak	Metla	Metla	162	NT	NT	NT	NT	0.028	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
558	Gurdaspur	Dera Baba Nanak	Niko Sarai	Kathiala	767	NT	NT	NT	NT	0.048	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water Project Parowal	Covered
559	Gurdaspur	Dera Baba Nanak	Niko Sarai	Niko Sarai	791	NT	NT	NT	NT	0.048	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water Project Parowal	Covered
560	Gurdaspur	Dera Baba Nanak	PADDE	Padde	1322	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.002	0.32	0.47	4.44	1.83	10.34	NT	NT	Arsenic	CWPP (As)	Covered
561	Gurdaspur	Dera Baba Nanak	PAKHO KE	Pakho Ke Dera Baba Nanak	1251	NT	NT	NT	NT	0.018	NT	NT	NT	NT	0.13	8.24	2.05	15.79	NT	NT	Arsenic	CWPP (As)	Covered
562	Gurdaspur	Dera Baba Nanak	QADIAN	Qadian	571	NT	NT	NT	NT	0.030	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
563	Gurdaspur	Dera Baba Nanak	QADIAN	Talwan di Goraya	1222	BDL	BDL	BDL	0.000	0.029	BDL	BDL	0.004	0.62	0.49	2.03	1.83	8.40	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
564	Gurdaspur	Dera Baba Nanak	RATTA	Ratta	1167	NT	NT	NT	NT	0.028	NT	NT	NT	NT	NT	NT	NT	500.21	NT	NT	Arsenic	CWPP (As) & Surface water Project Parowal	Covered
565	Gurdaspur	Dera Baba Nanak	Rattar Chhattar	Gola Dhola	265	NT	NT	NT	NT	0.022	NT	NT	0.140	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
566	Gurdaspur	Dera Baba Nanak	Rattar Chhattar	Rattar Chhattar	774	NT	NT	NT	NT	0.022	NT	NT	0.140	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
567	Gurdaspur	Dera Baba Nanak	RAUWAL	Rai Mal	573	NT	NT	NT	NT	0.033	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
568	Gurdaspur	Dera Baba Nanak	RAUWAL	Rauwal	1236	NT	NT	NT	NT	0.033	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
569	Gurdaspur	Dera Baba Nanak	RAUWAL	Sangtuwal	405	NT	NT	NT	NT	0.033	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
570	Gurdaspur	Dera Baba Nanak	Rupowali	Rupowali	959	0.007	BDL	BDL	BDL	0.048	BDL	BDL	0.016	BDL	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water Project Parawal	Covered
571	Gurdaspur	Dera Baba Nanak	Rupowali	Talwan di Rama	2221	0.007	BDL	BDL	BDL	0.048	BDL	BDL	0.016	BDL	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water Project Parawal	Covered
572	Gurdaspur	Dera Baba Nanak	SADHANWALI	Sadhanwali	507	BDL	BDL	BDL	BDL	0.049	BDL	BDL	BDL	BDL	0.25	2.50	BDL	5.36	NT	NT	Arsenic	HH Purifiers	Covered
573	Gurdaspur	Dera Baba Nanak	SANGHERA	Sanghera	945	BDL	BDL	BDL	BDL	0.014	BDL	BDL	BDL	BDL	0.44	3.72	BDL	4.63	NT	NT	Arsenic	CWPP (As)	Covered
574	Gurdaspur	Dera Baba Nanak	Shakri	Shakri	363	NT	NT	NT	NT	0.027	NT	NT	0.004	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
575	Gurdaspur	Dera Baba Nanak	Shikar Machhian	Shikar Machhian	4737	BDL	BDL	BDL	BDL	0.050	BDL	BDL	BDL	BDL	0.24	2.49	BDL	5.33	NT	NT	Arsenic	HH Purifiers	Covered
576	Gurdaspur	Dera Baba Nanak	Singhpura	Shampura	1472	NT	NT	NT	NT	0.031	NT	NT	0.011	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
577	Gurdaspur	Dera Baba Nanak	Singhpura	Singhpura	1282	NT	NT	NT	NT	0.031	NT	NT	0.011	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
578	Gurdaspur	Dera Baba Nanak	Thetharke	Thetharke	1394	BDL	BDL	BDL	BDL	0.040	BDL	BDL	BDL	BDL	0.32	3.41	BDL	6.99	NT	NT	Arsenic	AIRP	Covered
579	Gurdaspur	Dera Baba Nanak	Thetherke	Nikki Thetherke	1015	BDL	BDL	BDL	BDL	0.037	BDL	BDL	BDL	BDL	0.26	1.57	0.57	6.35	NT	NT	Arsenic	AIRP	Covered
580	Gurdaspur	Dera Baba Nanak	Udhowali Khurd WM	Udhowali Khurd	1300	BDL	BDL	BDL	BDL	0.020	BDL	BDL	0.020	0.84	1.38	5.51	1.57	10.84	NT	NT	Arsenic	CWPP (As)	Covered
581	Gurdaspur	Dera Baba Nanak	VEROKE	Veroke	470	BDL	BDL	BDL	BDL	0.045	BDL	BDL	BDL	BDL	0.22	2.42	0.97	5.59	NT	NT	Arsenic	HH Purifiers	Covered
582	Gurdaspur	Dhariwal	Chack Nurowal	Chack Nurowali	30	NT	NT	NT	NT	0.019	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
583	Gurdaspur	Dhariwal	Chhotepur	Awan	675	BDL	BDL	BDL	BDL	0.016	BDL	BDL	0.116	BDL	0.26	2.02	BDL	15.89	NT	NT	Arsenic	AIRP	Covered
584	Gurdaspur	Dhariwal	Chhotepur	Chotepur	1109	BDL	BDL	BDL	BDL	0.016	BDL	BDL	0.116	BDL	0.26	2.02	BDL	15.89	NT	NT	Arsenic	AIRP	Covered
585	Gurdaspur	Dhariwal	Jagowal Jattan	Alowal	1647	NT	NT	NT	NT	0.024	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
586	Gurdaspur	Dhariwal	Jagowal Jattan	Jagowal Jattan	887	NT	NT	NT	NT	0.024	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
587	Gurdaspur	Dhariwal	KUNJAR	Chhakri	742	ND	ND	ND	ND	0.023	ND	ND	NT	NT	0.33	NT	2.91	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
588	Gurdaspur	Dhariwal	KUNJAR	Kunjar	798	ND	ND	ND	ND	0.023	ND	ND	NT	NT	0.33	NT	2.91	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
589	Gurdaspur	Dhariwal	KUNJAR	Madhar	94	ND	ND	ND	ND	0.023	ND	ND	NT	NT	0.33	NT	2.91	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
590	Gurdaspur	Dhariwal	KUNJAR	Mugal	179	ND	ND	ND	ND	0.023	ND	ND	NT	NT	0.33	NT	2.91	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
591	Gurdaspur	Dhariwal	KUNJAR	Narwan	420	ND	ND	ND	ND	0.023	ND	ND	NT	NT	0.33	NT	2.91	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
592	Gurdaspur	Dhariwal	Malo Gill	Malogil	349	NT	NT	NT	NT	0.010	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
593	Gurdaspur	Dinargar	Rajpur Chib	Rajpur Chib	197	NT	NT	NT	NT	0.012	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
594	Gurdaspur	Dorangla	Addi	Addi	1470	BDL	BDL	BDL	BDL	0.014	BDL	BDL	0.082	BDL	0.30	1.85	0.61	15.80	34.77	9.18	Arsenic	Not Covered	Under Consideration
595	Gurdaspur	Dorangla	Ali Nangal	Ali Nangal	1106	NT	NT	NT	NT	0.022	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
596	Gurdaspur	Dorangla	Qadianwali	Dugri	1545	NT	NT	NT	NT	0.019	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
597	Gurdaspur	Dorang la	Qadianwali	Qadian Wali	411	NT	NT	NT	NT	0.019	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface Water Project Kunjar	Covered
598	Gurdaspur	Dorang la	Qadianwali	Thaman	570	NT	NT	NT	NT	0.019	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
599	Gurdaspur	Dorang la	Thundi	Nadala	181	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
600	Gurdaspur	Dorang la	Thundi	Nangal Dala	356	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
601	Gurdaspur	Dorang la	Thundi	Shahpur Afgana	724	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
602	Gurdaspur	Fategarh Churrian	Badowal Kalan	Badowal Kalan	1773	BDL	BDL	BDL	BDL	0.017	BDL	BDL	BDL	BDL	0.41	29.81	2.75	113.53	NT	NT	Arsenic	CWPP (As)RO Plant & Surface water Project Parowal	Covered
603	Gurdaspur	Fategarh Churrian	Badowal Khurd	Badowal Khurd	1477	NT	NT	NT	NT	0.024	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
604	Gurdaspur	Fategarh Churrian	DADHU YOD	Dadu Yod	1036	NT	NT	NT	NT	0.056	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water Project Parowal	Covered
605	Gurdaspur	Fategarh Churrian	DADHU YOD	Dhande	350	NT	NT	NT	NT	0.056	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface water Project Parowal	Covered
606	Gurdaspur	Fategarh Churrian	Doger	Doger	1675	BDL	BDL	BDL	BDL	0.037	BDL	BDL	BDL	BDL	0.23	0.85	0.28	5.67	NT	NT	Arsenic	AIRP & Surface water Project Parowal	Covered
607	Gurdaspur	Fategarh Churrian	Doger	Khussar Tahli	316	BDL	BDL	BDL	BDL	0.037	BDL	BDL	BDL	BDL	0.23	0.85	0.28	5.67	NT	NT	Arsenic	AIRP & Surface water Project Parowal	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
608	Gurdaspur	Fatega rh Churria n	Ghani Ke Bangar	Ghani Ke Bangar	6289	BDL	0.001	BDL	BDL	0.015	BDL	BDL	0.075	2.50	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
609	Gurdaspur	Fatega rh Churria n	Jangla Nanak Chack	Jangla	2186	NT	NT	NT	NT	0.046	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
610	Gurdaspur	Fatega rh Churria n	Jangla Nanak Chack	Nanak Chack	340	NT	NT	NT	NT	0.046	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
611	Gurdaspur	Fatega rh Churria n	Kala Afgana	Kala Afgana	3436	NT	NT	NT	NT	0.018	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water Project Parawal	Covered
612	Gurdaspur	Fatega rh Churria n	Kot Khazana	Kot Khajana	1087	BDL	BDL	BDL	BDL	0.012	BDL	BDL	0.172	BDL	0.31	2.46	0.47	4.01	62.40	9.71	Arsenic	AIRP	Covered
613	Gurdaspur	Fatega rh Churria n	Kot Majlas	Damodar	1126	BDL	BDL	BDL	BDL	0.015	BDL	BDL	0.248	BDL	0.52	2.70	1.61	20.73	40.22	7.86	Arsenic	AIRP & HH Purifiers	Covered
614	Gurdaspur	Fatega rh Churria n	Kot Majlas	Kot Majlas	1987	BDL	BDL	BDL	BDL	0.015	BDL	BDL	0.248	BDL	0.52	2.70	1.61	20.73	40.22	7.86	Arsenic	AIRP	Covered
615	Gurdaspur	Fatega rh Churria n	Lale Nangal	Lala Nangal	436	BDL	BDL	BDL	BDL	0.085	BDL	BDL	0.661	BDL	NT	NT	NT	NT	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog) & Surface water Project Parawal	Covered
616	Gurdaspur	Fatega rh Churria n	Lodhi Nangal	Khokhar	1339	BDL	BDL	BDL	BDL	0.039	BDL	BDL	0.129	BDL	0.36	8.77	0.86	11.77	27.64	17.59	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
617	Gurdaspur	Fatega rh Churria n	Lodhi Nangal	Lodhi Nangal	749	BDL	BDL	BDL	BDL	0.039	BDL	BDL	0.129	BDL	0.36	8.77	0.86	11.77	27.64	17.59	Arsenic	HH Purifiers	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
618	Gurdaspur	Fategarh Churrian	Lodhi Nangal	Manjian Wali	1594	BDL	BDL	BDL	BDL	0.039	BDL	BDL	0.129	BDL	0.36	8.77	0.86	11.77	27.64	17.59	Arsenic	HH Purifiers	Covered
619	Gurdaspur	Fategarh Churrian	Malewal	Alawal Wala	470	BDL	BDL	BDL	0.001	0.059	BDL	BDL	0.031	BDL	0.36	3.14	1.16	6.07	26.62	9.54	Arsenic	HH Purifiers & Surface Water Project Patiala	Covered
620	Gurdaspur	Fategarh Churrian	Malewal	Mallewal	1061	BDL	BDL	BDL	0.001	0.059	BDL	BDL	0.031	BDL	0.36	3.14	1.16	6.07	26.62	9.54	Arsenic	HH Purifiers & Surface water Project Parawal	Covered
621	Gurdaspur	Fategarh Churrian	Pabarali	Pabarali	1943	BDL	BDL	BDL	BDL	0.014	BDL	BDL	BDL	BDL	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water Project Parawal	Covered
622	Gurdaspur	Fategarh Churrian	Pabarali	Pabarali Khurd	570	BDL	BDL	BDL	BDL	0.014	BDL	BDL	BDL	BDL	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface water Project Parawal	Covered
623	Gurdaspur	Fategarh Churrian	Qila Desa Singh	Mansandwal	2323	0.000	0.000	0.000	0.000	0.050	0.000	0.010	0.040	2.55	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface water Project Parawal	Covered
624	Gurdaspur	Fategarh Churrian	Sarafkot	Awan	558	BDL	BDL	BDL	BDL	0.063	BDL	BDL	0.019	BDL	0.24	2.59	10.05	6.32	NT	NT	Arsenic	HH Purifiers	Covered
625	Gurdaspur	Fategarh Churrian	Sarafkot	Sarafkot	1195	BDL	BDL	BDL	BDL	0.063	BDL	BDL	0.019	BDL	0.24	2.59	10.05	6.32	NT	NT	Arsenic	HH Purifiers	Covered
626	Gurdaspur	Fategarh Churrian	Weela Teja	Veela Teja	4463	BDL	BDL	BDL	BDL	0.065	BDL	BDL	0.279	BDL	0.40	4.53	1.48	3.44	65.60	22.15	Arsenic	AIRP & Surface water Project Parawal	Covered
627	Gurdaspur	Gurdaspur	Addi	Bhopur Afgana	538	BDL	BDL	BDL	BDL	0.014	BDL	BDL	0.082	BDL	0.30	1.85	0.61	15.80	34.77	9.18	Arsenic	HH Purifiers	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
628	Gurdaspur	Gurdaspur	Addi	Kalupur	102	BDL	BDL	BDL	BDL	0.014	BDL	BDL	0.082	BDL	0.30	1.85	0.61	15.80	34.77	9.18	Arsenic	HH Purifiers	Covered
629	Gurdaspur	Gurdaspur	Ali Sher	ALI SHER	678	0.015	ND	ND	ND	0.029	ND	ND	0.264	0.60	0.18	NT	4.10	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
630	Gurdaspur	Gurdaspur	Ali Sher	Amipur	2526	0.015	ND	ND	ND	0.029	ND	ND	0.264	0.60	0.18	NT	4.10	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
631	Gurdaspur	Gurdaspur	Ali Sher	Kot Mohan Lal	561	0.015	ND	ND	ND	0.029	ND	ND	0.264	0.60	0.18	NT	4.10	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
632	Gurdaspur	Gurdaspur	Bhoparai	Boparai	400	NT	BDL	NT	NT	0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
633	Gurdaspur	Gurdaspur	Hardochhansi	Alar Pindi	551	BDL	BDL	BDL	BDL	0.017	BDL	BDL	0.164	BDL	0.29	3.21	0.92	14.30	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
634	Gurdaspur	Gurdaspur	Hardochhansi	Aluana	726	BDL	BDL	BDL	BDL	0.017	BDL	BDL	0.164	BDL	0.29	3.21	0.92	14.30	NT	NT	Arsenic	Surface Water Project Kunjar & RO Plant	Covered
635	Gurdaspur	Gurdaspur	Hardochhansi	Hardochhansi	1461	BDL	BDL	BDL	BDL	0.017	BDL	BDL	0.164	BDL	0.29	3.21	0.92	14.30	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
636	Gurdaspur	Gurdaspur	Jagatpur Kalan	Jagatpur Kalan	1233	BDL	BDL	BDL	BDL	0.011	BDL	BDL	0.046	NT	0.28	2.62	NT	7.70	NT	NT	Arsenic	RO Plant	Covered
637	Gurdaspur	Gurdaspur	Jagatpur Kalan	Tanda	514	BDL	BDL	BDL	BDL	0.011	BDL	BDL	0.046	NT	0.28	2.62	NT	7.70	NT	NT	Arsenic	RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
638	Gurdaspur	Gurdaspur	Khokhar	Khokhar	1215	NT	NT	NT	NT	0.014	NT	NT	1.097	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Chawinda Kalan Surface water project	Covered
639	Gurdaspur	Gurdaspur	Khokhar	Mangal Sen	696	NT	NT	NT	NT	0.014	NT	NT	1.097	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface Water Project Kunjar	Covered
640	Gurdaspur	Gurdaspur	Khokhar	Salimpur Afghana	631	NT	NT	NT	NT	0.014	NT	NT	1.097	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface Water Project Kunjar	Covered
641	Gurdaspur	Kahnawan	Bhaini Milwan	Bhaini Milwan	311	BDL	BDL	BDL	BDL	0.016	BDL	BDL	0.043	BDL	0.27	2.28	BDL	6.97	NT	NT	Arsenic	AIRP	Covered
642	Gurdaspur	Kahnawan	Jogi Cheema	Chamari	400	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
643	Gurdaspur	Kahnawan	Jogi Cheema	Jogi Chima	1044	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
644	Gurdaspur	Kahnawan	Kotli Harchanda	Kotli Harchanda	1463	BDL	BDL	BDL	BDL	0.017	BDL	BDL	0.246	BDL	0.37	14.66	105.36	11.33	NT	NT	Arsenic	RO Plant	Covered
645	Gurdaspur	Kahnawan	RANDHAWA COLONY	Randhawa Colony	602	0.006	BDL	BDL	BDL	0.012	0.002	BDL	0.068	BDL	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
646	Gurdaspur	Kalanaur	Amargarh	Amargarh	320	0.013	ND	ND	ND	0.021	ND	ND	2.300	1.90	0.17	NT	9.20	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
647	Gurdaspur	Kalanaur	Bakhatpur	Bakhatpur	1003	NT	NT	NT	NT	0.024	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
648	Gurdaspur	Kalanaur	Bakhatpur	Jagowal Bedian	571	0.016	ND	NT	ND	0.020	NT	NT	0.668	BDL	0.31	NT	1.63	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
649	Gurdaspur	Kalanaur	Bakhatpur	Lakhan Kalan	1070	0.016	ND	NT	ND	0.020	NT	NT	0.668	BDL	0.31	NT	1.63	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
650	Gurdaspur	Kalanaur	Bakhatpur	Lakhan Khurd	328	0.016	ND	NT	ND	0.020	NT	NT	0.668	BDL	0.31	NT	1.63	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
651	Gurdaspur	Kalanaur	Bakhatpur	Pindi Sadian	260	0.016	ND	NT	ND	0.020	NT	NT	0.668	BDL	0.31	NT	1.63	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
652	Gurdaspur	Kalanaur	Barila Khurd	Barila Khurd	852	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
653	Gurdaspur	Kalanaur	Barila Khurd	Chanduwadala	1138	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
654	Gurdaspur	Kalanaur	Barila Khurd	Dhidowal	446	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
655	Gurdaspur	Kalanaur	Bishankot	Bishankot	1307	NT	NT	NT	NT	0.012	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
656	Gurdaspur	Kalanaur	Bishankot	Chikri	310	NT	NT	NT	NT	0.012	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
657	Gurdaspur	Kalanaur	Bishankot	Kotla Muglam	437	NT	NT	NT	NT	0.012	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
658	Gurdaspur	Kalanaur	Bishankot	Uppal	657	NT	NT	NT	NT	0.012	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
659	Gurdaspur	Kalanaur	Bohar Wadala	Boharwadala	639	BDL	BDL	BDL	BDL	0.022	BDL	BDL	0.312	BDL	0.23	3.38	1.19	8.03	NT	NT	Arsenic	Surface Water Project Kunjar & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
660	Gurdaspur	Kalanaur	Chhod	Chhod	279	BDL	BDL	BDL	BDL	0.024	BDL	BDL	0.088	BDL	0.26	2.29	1.97	9.02	29.64	8.94	Arsenic	Surface Water Project Kunjar & RO Plant	Covered
661	Gurdaspur	Kalanaur	Chhod	Choura	935	BDL	BDL	BDL	BDL	0.024	BDL	BDL	0.088	BDL	0.26	2.29	1.97	9.02	29.64	8.94	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
662	Gurdaspur	Kalanaur	Chhod	Chourakhur	382	BDL	BDL	BDL	BDL	0.024	BDL	BDL	0.088	BDL	0.26	2.29	1.97	9.02	29.64	8.94	Arsenic	HH Purifiers	Covered
663	Gurdaspur	Kalanaur	Chhod	Kamalpur	265	BDL	BDL	BDL	BDL	0.024	BDL	BDL	0.088	BDL	0.26	2.29	1.97	9.02	29.64	8.94	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
664	Gurdaspur	Kalanaur	Chhod	Kukar	311	BDL	BDL	BDL	BDL	0.024	BDL	BDL	0.088	BDL	0.26	2.29	1.97	9.02	29.64	8.94	Arsenic	Surface Water Project Kunjar & RO Plant	Covered
665	Gurdaspur	Kalanaur	Chhod	Mallia Wala	647	BDL	BDL	BDL	BDL	0.024	BDL	BDL	0.088	BDL	0.26	2.29	1.97	9.02	29.64	8.94	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
666	Gurdaspur	Kalanaur	Kala Goraya	Athwal	528	NT	NT	NT	NT	0.027	NT	NT	NT	NT	NT	NT	NT	510.36	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
667	Gurdaspur	Kalanaur	Kala Goraya	Kala Goraya	402	NT	NT	NT	NT	0.027	NT	NT	NT	NT	NT	NT	NT	510.36	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
668	Gurdaspur	Kalanaur	Kalanour	Kalanoor	12348	NT	NT	NT	NT	0.024	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
669	Gurdaspur	Kalanaur	KAMALPUR JATTAN	Kamalpur Jattan	125	NT	NT	NT	NT	0.016	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
670	Gurdaspur	Kalanaur	Khaddar	Agwan	1010	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.055	0.45	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
671	Gurdaspur	Kalanaur	Khaddar	Balim	249	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.055	0.45	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
672	Gurdaspur	Kalanaur	Khaddar	Barila Kalan	769	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.055	0.45	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
673	Gurdaspur	Kalanaur	Khaddar	Khaddar	348	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.055	0.45	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
674	Gurdaspur	Kalanaur	Khaddar	Naharpur	600	BDL	BDL	BDL	BDL	0.030	BDL	BDL	0.055	0.45	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
675	Gurdaspur	Kalanaur	Khushipur	Khushipur	1795	NT	NT	NT	NT	0.031	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
676	Gurdaspur	Kalanaur	Kot Mian Sahib	Kot Mian Sahib	2750	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.050	0.47	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
677	Gurdaspur	Kalanaur	Mast kot	Aujla	395	NT	NT	NT	NT	0.044	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
678	Gurdaspur	Kalanaur	Mast kot	Bhangwan	1131	NT	NT	NT	NT	0.044	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
679	Gurdaspur	Kalanaur	Mast kot	Mastkot	1010	NT	NT	NT	NT	0.044	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
680	Gurdaspur	Kalanaur	Mir Ka Chana	Alawalpur	341	BDL	BDL	BDL	0.000	0.025	BDL	BDL	0.014	0.68	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
681	Gurdaspur	Kalanaur	Mir Ka Chana	Mir Kachana	546	BDL	BDL	BDL	0.000	0.025	BDL	BDL	0.014	0.68	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered
682	Gurdaspur	Kalanaur	Mir Ka Chana	Rura	601	BDL	BDL	BDL	0.000	0.025	BDL	BDL	0.014	0.68	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As)	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
683	Gurdaspur	Kalanaur	PAIRUWAL	Hakimpur	1602	0.010	0.000	0.000	0.000	0.030	0.000	0.010	0.080	0.80	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
684	Gurdaspur	Kalanaur	PAIRUWAL	Pairuwal	426	0.010	0.000	0.000	0.000	0.030	0.000	0.010	0.080	0.80	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Kunjar	Covered
685	Gurdaspur	Kalanaur	PAIRUWAL	Panwan	1836	0.010	0.000	0.000	0.000	0.030	0.000	0.010	0.080	0.80	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
686	Gurdaspur	Kalanaur	Patti Azab Singh	Patti Azaib Singh	70	NT	NT	NT	NT	0.015	NT	NT	0.666	NT	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
687	Gurdaspur	Kalanaur	Qazipur	Qazipur	368	0.018	ND	ND	ND	0.017	ND	ND	0.381	12.50	NT	NT	NT	NT	NT	NT	Arsenic	Surface Water Project Kunjar & RO Plant	Covered
688	Gurdaspur	Kalanaur	Rossey	Azampur	357	0.030	0.000	0.010	0.000	0.030	0.010	0.010	0.090	0.83	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
689	Gurdaspur	Kalanaur	Rossey	Lopa	1007	0.030	0.000	0.010	0.000	0.030	0.010	0.010	0.090	0.83	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
690	Gurdaspur	Kalanaur	Rossey	Pakeewan	562	0.030	0.000	0.010	0.000	0.030	0.010	0.010	0.090	0.83	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
691	Gurdaspur	Kalanaur	Rossey	Rossey	1105	0.030	0.000	0.010	0.000	0.030	0.010	0.010	0.090	0.83	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
692	Gurdaspur	Kalanaur	Rudiana	Rudiana	913	BDL	BDL	BDL	BDL	0.025	BDL	BDL	0.234	BDL	0.27	2.82	0.97	6.95	NT	NT	Arsenic	Surface Water Project Kunjar & RO Plant	Covered
693	Gurdaspur	Kalanaur	SAHUR	Sahur	1648	BDL	BDL	BDL	BDL	0.022	BDL	BDL	0.209	BDL	0.23	3.35	0.77	8.11	NT	NT	Arsenic	Surface Water Project Kunjar & RO Plant	Covered
694	Gurdaspur	Kalanaur	Sarai	Sarai	156	BDL	BDL	BDL	BDL	0.056	BDL	BDL	0.157	BDL	0.45	3.16	1.42	24.19	41.97	8.24	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
695	Gurdaspur	Kalanaur	SHALE CHACK	Chhohan	810	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.072	BDL	0.23	2.36	0.88	3.59	NT	NT	Arsenic	Surface Water Project Kunjar & RO Plant	Covered
696	Gurdaspur	Kalanaur	SHALE CHACK	Jeo July	287	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.072	BDL	0.23	2.36	0.88	3.59	NT	NT	Arsenic	Surface Water Project Kunjar & RO Plant	Covered
697	Gurdaspur	Kalanaur	SHALE CHACK	Shale Chack	1460	BDL	BDL	BDL	BDL	0.018	BDL	BDL	0.072	BDL	0.23	2.36	0.88	3.59	NT	NT	Arsenic	Surface Water Project Kunjar & RO Plant	Covered
698	Gurdaspur	Kalanaur	Wadala Banger	Bhandwan	174	BDL	BDL	BDL	0.000	0.021	BDL	BDL	0.026	4.08	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
699	Gurdaspur	Kalanaur	Wadala Banger	Nano Hami	986	BDL	BDL	BDL	0.000	0.021	BDL	BDL	0.026	4.08	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
700	Gurdaspur	Kalanaur	Wadala Banger	Shahpur	906	BDL	BDL	BDL	0.000	0.021	BDL	BDL	0.026	4.08	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
701	Gurdaspur	Kalanaur	Wadala Banger	Wadhala Banger	2935	BDL	BDL	BDL	0.000	0.021	BDL	BDL	0.026	4.08	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Kunjar	Covered
702	Gurdaspur	Quadian	KHAJALA	Khajala	3722	BDL	BDL	BDL	BDL	0.020	BDL	BDL	0.023	BDL	0.32	2.14	1.41	22.94	NT	NT	Arsenic	AIRP	Covered
703	Hoshiarpur	Dasuya	Badla	BADLA	2779	BDL	0.006	BDL	BDL	BDL	BDL	BDL	0.014	154 3.72	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Talwara	Being Covered
704	Hoshiarpur	Dasuya	Badla	DHOLA	366	BDL	0.006	BDL	BDL	BDL	BDL	BDL	0.014	154 3.72	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Talwara	Covered
705	Hoshiarpur	Dasuya	Badla	SAUNSPURPATTI	822	BDL	0.006	BDL	BDL	BDL	BDL	BDL	0.014	154 3.72	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Talwara	Covered
706	Hoshiarpur	Garh Shankar	Basiala	Basiala	1157	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
707	Hoshiarpur	Garh Shankar	Chaura	Basti No. 1	755	NT	NT	NT	NT	0.025	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
708	Hoshiarpur	Garh Shankar	Chaura	Chaura	1630	NT	NT	NT	NT	0.025	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
709	Hoshiarpur	Garh Shankar	Chaura	Dagham	2910	NT	NT	NT	NT	0.025	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
710	Hoshiarpur	Garh Shankar	Chaura	Dehron	419	NT	NT	NT	NT	0.025	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
711	Hoshiarpur	Garh Shankar	Chaura	Fatehpur Kalan	332	NT	NT	NT	NT	0.025	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
712	Hoshiarpur	Garh Shankar	Dallewal	Dallewal	1574	NT	NT	NT	NT	0.026	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
713	Hoshiarpur	Garh Shankar	Dogarpur	Dogarpur	535	BDL	0.015	BDL	BDL	BDL	BDL	BDL	BDL	11.2 1	NT	NT	NT	NT	NT	NT	Selenium	RO Plant	Covered
714	Hoshiarpur	Garh Shankar	Dogarpur	Rasulpur	725	BDL	0.015	BDL	BDL	BDL	BDL	BDL	BDL	11.2 1	NT	NT	NT	NT	NT	NT	Selenium	RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
715	Hoshiarpur	Hoshia rpur-II	Attowal	Marnia n Kalan	822	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
716	Hoshiarpur	Hoshia rpur-II	Attowal	Marnia n Khurd	606	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
717	Hoshiarpur	Hoshia rpur-II	Tanuli	Tanuli	1759	NT	NT	NT	NT	0.022	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
718	Jalandhar	Lohian Khas	Kakar Kalan	Kakar Kalan	1244	BDL	0.001	BDL	BDL	0.007	BDL	BDL	0.020	32.97	2.02	2.15	NT	18.65	NT	NT	Fluorid e	Not Covered	Under Considerati on
719	Kapurthala	Dhilwa n	Gaure	Gaure	475	BDL	BDL	BDL	0.000	0.014	BDL	BDL	0.008	1.98	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
720	Kapurthala	Dhilwa n	Gaure	Khan Gah	501	BDL	BDL	BDL	0.000	0.014	BDL	BDL	0.008	1.98	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
721	Kapurthala	Sultan pur Lodhi	Jainpur	Jainpur	1033	NT	NT	NT	NT	0.018	NT	NT	0.005	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
722	Ludhiana	Doraha	Begowal	Begow al	3363	BDL	0.019	BDL	BDL	BDL	BDL	BDL	0.011	19.05	NT	NT	NT	NT	NT	NT	Sel eniu m	RO Plant	Covered
723	Ludhiana	Doraha	Daburji	Daburji	1293	BDL	0.018	BDL	BDL	BDL	BDL	BDL	0.011	19.54	NT	NT	NT	NT	NT	NT	Sel eniu m	RO Plant	Covered
724	Ludhiana	Doraha	Gidri	Gidri	1394	BDL	0.019	BDL	BDL	BDL	BDL	BDL	0.011	19.15	NT	NT	NT	NT	NT	NT	Sel eniu m	RO Plant	Covered
725	Ludhiana	Doraha	Rano	Rano	803	BDL	0.012	BDL	BDL	BDL	BDL	BDL	BDL	46.47	0.40	18.57	22.07	28.48	NT	NT	Sel eniu m	RO Plant	Covered
726	Ludhiana	Jagrao n	Chakkar	CHAKK AR	6423	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	78.85	NT	NT	NT	NT	NT	NT	Ura nium	Not Covered	Under Considerati on
727	Ludhiana	Jagrao n	Dangian	DANGI AN	2092	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	69.25	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
728	Ludhiana	Jagrao n	Dholan	DHOLA N	4736	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	67.47	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
729	Ludhiana	Jagrao n	Rumi	Rumi	3363	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	87.43	NT	NT	NT	NT	NT	NT	Ura nium	Not Covered	Under Considerati on

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
730	Ludhiana	Khanna	Gazipur	Gazipur	437	NT	NT	NT	NT	0.020	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
731	Ludhiana	Ludhiana-I	Ayali Kalan	AYALI KALAN	4054	BDL	0.016	BDL	NT	BDL	BDL	BDL	0.042	17.73	NT	NT	NT	NT	NT	NT	Selenium	RO Plant	Covered
732	Ludhiana	Ludhiana-I	Bains WM	BAINS	1616	BDL	0.016	BDL	BDL	BDL	BDL	BDL	0.037	16.82	NT	NT	NT	NT	NT	NT	Selenium	RO Plant	Covered
733	Ludhiana	Ludhiana-I	Katani Kalan	KATANI KALAN	3016	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.68	NT	NT	NT	NT	NT	Fluoride	RO Plant	Covered
734	Ludhiana	Ludhiana-I	Sarihn	SHARIH	3098	BDL	0.011	BDL	BDL	BDL	BDL	BDL	BDL	18.16	NT	NT	NT	NT	NT	NT	Selenium	Not Covered	Under Consideration
735	Ludhiana	Ludhiana-II	Bhattian Dhaha	BHATTIAN DHAHA	1234	BDL	0.018	BDL	BDL	BDL	BDL	BDL	BDL	26.58	0.55	14.58	10.82	13.28	NT	NT	Selenium	RO Plant	Covered
736	Ludhiana	Machhara	Haddon	Hedon	2092	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	328.34	NT	NT	NT	Nitrate	Quality Improved dt. 18-10-2023	Not Required
737	Ludhiana	Raikot	Achharwal	ACHHARWAL	1557	BDL	BDL	0.005	BDL	BDL	BDL	BDL	BDL	102.19	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
738	Ludhiana	Sidhwan Bet	Bodalwala	BODALWALA	1500	BDL	0.048	BDL	BDL	BDL	BDL	BDL	BDL	21.98	NT	NT	NT	NT	NT	NT	Selenium	RO Plant	Covered
739	Ludhiana	Sidhwan Bet	Dhotar	DHOTAR	604	BDL	0.011	BDL	BDL	0.001	BDL	BDL	BDL	6.34	NT	NT	NT	NT	NT	NT	Selenium	RO Plant	Covered
740	Ludhiana	Sidhwan Bet	Kot Man	KOTMANA	1104	BDL	0.040	BDL	BDL	BDL	BDL	BDL	BDL	13.03	NT	NT	NT	NT	NT	NT	Selenium	Not Covered	Under Consideration
741	Ludhiana	Sidhwan Bet	Talwara	Talwara	1438	BDL	0.023	BDL	BDL	BDL	BDL	BDL	BDL	12.65	NT	NT	NT	NT	NT	NT	Selenium	RO Plant	Covered
742	Mansa	Bhikhi	Hero Kalan	Hero Kalan	5154	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.59	NT	NT	NT	NT	NT	NT	Uranium	Covered with Canal based scheme & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
743	Mansa	Sardul garh	Phus mandi	Phus Mandi	1289	BDL	BDL	0.007	BDL	0.011	BDL	BDL	0.011	27.25	NT	NT	NT	NT	NT	NT	Arsenic	Covered with Canal based scheme & RO Plant	Covered
744	Mansa	Sardul garh	Phus mandi	Sadhu wala	881	BDL	BDL	0.007	BDL	0.011	BDL	BDL	0.011	27.25	NT	NT	NT	NT	NT	NT	Arsenic	Covered with Canal based scheme & RO Plant	Covered
745	Mansa	Sardul garh	Sardulewala	Dhani Ranjit singh	50	BDL	BDL	BDL	NT	BDL	BDL	BDL	0.072	47.87	1.21	169.41	52.42	323.62	46.90	39.36	Nitrate	RO Plant	Covered
746	Mansa	Sardul garh	Sardulewala	Sardule wala	2847	BDL	BDL	BDL	NT	BDL	BDL	BDL	0.072	47.87	1.21	169.41	52.42	323.62	46.90	39.36	Nitrate	RO Plant	Covered
747	Mansa	Sardul garh	Sardulewala	Tibbi Hari Singh	1250	BDL	BDL	BDL	NT	BDL	BDL	BDL	0.072	47.87	1.21	169.41	52.42	323.62	46.90	39.36	Nitrate	RO Plant	Covered
748	Moga	Bagha Purana	Bhaloor	Bhaloor	6184	0.014	BDL	0.010	NT	BDL	BDL	BDL	0.039	103.43	1.43	BDL	BDL	292.36	NT	NT	Uranium	Moga surface water project & RO Plant	Covered
749	Moga	Bagha Purana	Channu Wala	Channu Wala	2957	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.657	70.66	0.91	23.33	2.75	146.65	NT	NT	Uranium	Moga surface water project & RO Plant	Covered
750	Moga	Bagha Purana	Dallu Wala	Dallu Wala	1246	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	82.84	NT	NT	NT	NT	NT	NT	Uranium	Moga surface water project & RO Plant	Covered
751	Moga	Bagha Purana	Dhilwan	Dhilwan	2857	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.016	50.05	1.70	36.73	40.65	121.16	NT	NT	Fluoride	Moga surface water project & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
752	Moga	Bagha Purana	Ganji Gulab Singh	Ganji Gulab Singh	1457	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	139.96	3.47	53.29	17.02	301.42	NT	NT	Fluorid e	Moga surface water project & RO Plant	Covered
753	Moga	Bagha Purana	Jeeta Singh Wala	Jita Singh Wala	1287	BDL	BDL	0.007	BDL	BDL	BDL	BDL	BDL	66.04	1.63	79.10	22.51	197.78	NT	NT	Fluorid e	Moga surface water project & RO Plant	Covered
754	Moga	Bagha Purana	Kale Ke	Kale Ke	4872	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	65.81	0.74	63.02	32.06	122.98	NT	NT	Ura nium	Moga surface water project & RO Plant	Covered
755	Moga	Bagha Purana	Langiana Kalan	Langian a Kalan	2767	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	65.84	0.61	BDL	BDL	278.55	NT	NT	Ura nium	Moga surface water project & RO Plant	Covered
756	Moga	Dhram kot at Kot Ise Khan	Nihal Garh	Nihal Garh	555	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.013	83.79	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
757	Moga	Moga-I	Dosanj	Dosanj h	1860	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	60.47	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
758	Moga	Moga-II	Baghele wala	Baghel e Wala	1394	BDL	0.004	0.005	0.000	0.001	BDL	BDL	0.027	181.65	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
759	Moga	Moga-II	Dadahoor	Daddah oor	1027	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	94.74	0.99	41.57	14.94	164.14	NT	NT	Ura nium	RO Plant	Covered
760	Moga	Moga-II	Dagru	Dagru	3128	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.90	NT	NT	NT	NT	NT	Fluorid e	RO Plant	Covered
761	Moga	Moga-II	Daulat Pura Ucha	Daulat Pura Ucha	1927	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	113.49	0.61	48.56	5.29	334.73	NT	NT	Ura nium	Not Covered	Under Considerati on
762	Moga	Moga-II	Droli Bhai	Droli Bhai	6010	BDL	0.013	0.013	BDL	0.002	0.000	BDL	BDL	197.60	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
763	Moga	Moga-II	Ghall Kalan	Kothe Ghal Kalan	225	ND	ND	0.012	ND	ND	ND	0.007	0.282	95.70	0.58	NT	3.00	NT	NT	NT	Ura nium	RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
764	Moga	Moga-II	Kahan Singh Wala	Kahan Singh Wala	972	BDL	0.004	BDL	BDL	0.002	BDL	BDL	0.003	85.04	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
765	Moga	Moga-II	Kore wala Kalan	Kore Wala Kalan	1242	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	166.67	1.20	77.31	26.45	253.57	NT	NT	Ura nium	RO Plant	Covered
766	Moga	Moga-II	Nidhan Wala	Nidhan Wala	2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.021	66.28	0.61	45.24	2.60	104.26	NT	NT	Ura nium	RO Plant	Covered
767	Moga	Moga-II	Pathan Garh	PATHA NGAR H	84	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	64.94	NT	NT	NT	NT	37.00	21.00	Ura nium	Not Covered	Under Considerati on
768	Moga	Moga-II	RATTIAN	RATTIA N	1451	0.002	0.011	0.012	BDL	0.002	BDL	BDL	0.005	354.09	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
769	Moga	Moga-II	RATTIAN	SC Basti Rattian	720	0.002	0.011	0.012	BDL	0.002	BDL	BDL	0.005	354.09	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
770	Moga	Moga-II	Sadda Singh Wala	Sadda Singh Wala	2853	BDL	0.002	BDL	BDL	0.002	BDL	BDL	0.008	313.86	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
771	Moga	Moga-II	Thamanwala	Thama n Wala	945	BDL	0.003	BDL	BDL	0.001	BDL	BDL	BDL	60.72	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
772	Moga	Moga-II	Vadda Ghar	Vadda Ghar	2586	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	76.74	0.36	58.06	22.47	172.08	NT	NT	Ura nium	RO Plant	Covered
773	Moga	Nihal Singh Wala	Bare Wala	Bare Wala	893	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	86.54	1.98	66.68	16.30	274.92	NT	NT	Fluorid e	Moga surface water project & RO Plant	Covered
774	Moga	Nihal Singh Wala	Dina	Dina	3614	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	117.34	NT	NT	NT	NT	NT	NT	Ura nium	Moga surface water project & RO Plant	Covered
775	Moga	Nihal Singh Wala	Dina	Kanda Basti	415	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	117.34	NT	NT	NT	NT	NT	NT	Ura nium	Moga surface water project & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
776	Moga	Nihal Singh Wala	Kishangarh	Abadi on Kangar Road	253	NT	NT	NT	NT	NT	NT	NT	NT	70.77	NT	NT	NT	NT	NT	NT	Ura niu m	Moga surface water project	Covered
777	Moga	Nihal Singh Wala	Kishangarh	Kishan garh	1594	NT	NT	NT	NT	NT	NT	NT	NT	70.77	NT	NT	NT	NT	NT	NT	Ura niu m	Moga surface water project	Covered
778	Moga	Nihal Singh Wala	Minian	Minian	4335	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	66.84	0.43	26.89	BDL	62.72	NT	NT	Ura niu m	Moga surface water project & RO Plant	Covered
779	Moga	Nihal Singh Wala	Ransih Kalan	Ransih Kalan	2715	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	62.88	0.53	86.75	41.23	60.47	NT	NT	Ura niu m	Moga surface water project & RO Plant	Covered
780	Moga	Nihal Singh Wala	Ransih Khurd	Ransih Khurd	1383	BDL	BDL	BDL	NT	BDL	BDL	BDL	0.036	91.83	NT	NT	NT	NT	NT	NT	Ura niu m	Moga surface water project & RO Plant	Covered
781	Muksar	Muktsar	Sakkan Wali & wanal	Randha wa	308	BDL	0.008	BDL	BDL	0.001	BDL	0.001	0.003	88.80	BDL	1213.28	BDL	1470.68	NT	NT	Ura niu m	Covered with Canal based scheme & RO Plant	Covered
782	Muksar	Muktsar	Sakkan Wali & wanal	Sakan Wali	1477	BDL	0.008	BDL	BDL	0.001	BDL	0.001	0.003	88.80	BDL	1213.28	BDL	1470.68	NT	NT	Ura niu m	Covered with Canal based scheme & RO Plant	Covered
783	Muksar	Muktsar	Sakkan Wali & wanal	Wanal	535	BDL	0.008	BDL	BDL	0.001	BDL	0.001	0.003	88.80	BDL	1213.28	BDL	1470.68	NT	NT	Ura niu m	Covered with Canal based scheme & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
784	Patiala	Bhuner Heri	Binjal	Binjal	2894	NT	NT	NT	NT	0.027	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
785	Patiala	Bhuner Heri	Kachhwi	Kachwi	442	NT	NT	NT	NT	0.023	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
786	Patiala	Bhuner Heri	Paror	Uppli	929	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.02	57.00	3.00	90.00	6.00	17.00	Fluoride	RO Plant	Covered
787	Patiala	Bhuner Heri	Pur	Mandi	687	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.56	67.00	3.00	128.00	24.00	27.00	Fluoride	RO Plant	Covered
788	Patiala	Bhuner Heri	Pur	Pur	852	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.56	67.00	3.00	128.00	24.00	27.00	Fluoride	CWPP-Fluoride	Covered
789	Patiala	Bhuner Heri	Toran Faridpur	Faridpur	503	NT	NT	NT	NT	0.030	NT	NT	0.003	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
790	Patiala	Bhuner Heri	Toran Faridpur	Toran	302	NT	NT	NT	NT	0.030	NT	NT	0.003	NT	NT	NT	NT	NT	NT	NT	Arsenic	village attached with AIRP IITM (Scheme Faridpur)	Covered
791	Patiala	Ghanaur	Ajrour	Ajrawar	4176	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.23	405.83	1.84	910.11	NT	NT	Fluoride	CWPP-Fluoride & Surface Water Project Patiala	Covered
792	Patiala	Ghanaur	Ali majra	Ali Majra	1575	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.98	142.60	1.20	299.20	24.10	16.90	Fluoride	CWPP-Fluoride & Surface Water Project Patiala	Covered
793	Patiala	Ghanaur	Balheri	Balheri	308	NT	NT	NT	NT	0.006	NT	NT	BDL	NT	8.04	38.50	1.30	182.60	4.10	4.00	Fluoride	CWPP-Fluoride & Surface Water Project Patiala	Covered
794	Patiala	Ghanaur	Ballopur	Ballopur	480	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.19	137.20	1.00	367.20	21.20	17.50	Fluoride	CWPP-Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
795	Patiala	Ghana ur	Bhat Majra	Bhat Majra	1547	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.66	249.00	1.00	353.00	26.00	14.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
796	Patiala	Ghana ur	Bhur Majra	Bhur Majra	34	ND	ND	0.001	ND	BDL	0.006	0.019	NT	NT	1.53	NT	NT	NT	NT	NT	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	covered
797	Patiala	Ghana ur	Bhuri Majra	Bhuri Majra	414	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.07	67.00	1.00	246.00	19.00	10.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
798	Patiala	Ghana ur	Chalheri	Chalher i	2123	NT	NT	NT	NT	0.008	NT	NT	BDL	NT	2.53	68.80	1.40	94.60	5.20	4.50	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
799	Patiala	Ghana ur	Faridpur Jattan	Faridpu r Jattan	957	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.15	65.40	1.10	100.40	8.50	1.60	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
800	Patiala	Ghana ur	Ghungran	Ghungr an	229	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.63	153.50	1.10	260.30	21.30	21.50	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
801	Patiala	Ghana ur	Ghungran	Shahpu r Raian	153	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.63	153.50	1.10	260.30	21.30	21.50	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
802	Patiala	Ghana ur	Harpalpur	Harpalp ur	3297	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.81	91.00	1.20	150.20	9.00	5.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
803	Patiala	Ghana ur	Kaboolpur	Hassan pur Jattan	928	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.74	132.20	1.20	2174.00	143.00	63.90	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
804	Patiala	Ghana ur	Kaboolpur	Kabool pur	1162	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.74	132.20	1.20	2174.00	143.00	63.90	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
805	Patiala	Ghana ur	Kami Kalan	Kami Kalan	1972	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.14	172.90	1.10	591.70	75.70	5.70	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
806	Patiala	Ghana ur	Kasba Rurki	Rurki	889	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.81	39.10	BDL	82.60	16.00	20.70	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
807	Patiala	Ghana ur	Kheri Pandtan	Kheri Mandal an	779	ND	ND	ND	ND	ND	ND	ND	0.394	NT	2.50	NT	2.80	NT	NT	NT	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
808	Patiala	Ghana ur	Kheri Pandtan	Pandta n Kheri	1036	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.13	312.70	6.80	537.50	57.90	38.20	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
809	Patiala	Ghana ur	Kheri Pandtan	Shahpu r Afgana	141	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.13	312.70	6.80	537.50	57.90	38.20	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
810	Patiala	Ghana ur	Kole Majra	Kole Majra	1048	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.43	NT	NT	NT	NT	NT	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
811	Patiala	Ghana ur	Kuthakheri	Kutha Kheri	2013	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.70	262.00	1.10	373.50	18.20	10.50	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
812	Patiala	Ghana ur	Lachhru Kalan	Lachhr u Kalan	1703	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.80	NT	NT	NT	NT	NT	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
813	Patiala	Ghana ur	Lachhru Kalan	Lachhr u Khurd	369	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.80	NT	NT	NT	NT	NT	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
814	Patiala	Ghana ur	Mandoli	Mandoli	3371	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.10	102.9 0	1.10	133.1 0	10.50	4.00	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
815	Patiala	Ghana ur	Manjouli	Manjoli	2077	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	0.94	405.0 0	BDL	592.0 0	69.00	42.00	Sul phate	Surface Water Project Patiala	Being Covered
816	Patiala	Ghana ur	Mardanpur	Mardan pur	2451	NT	NT	NT	NT	0.005	NT	NT	BDL	NT	1.76	74.00	1.90	95.30	4.30	3.00	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
817	Patiala	Ghana ur	Mugal Sarai	Sarai Mugal / Mugal Sarai	475	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.32	116.0 0	1.80	209.2 0	5.60	4.20	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
818	Patiala	Ghana ur	Nardu	Nardu	2227	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.92	NT	NT	NT	NT	NT	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
819	Patiala	Ghana ur	Nasirpur	Alamdi pur	1050	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.27	206.7 0	1.10	611.3 0	25.90	21.00	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
820	Patiala	Ghana ur	Nasirpur	Nasirpu r	289	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.27	206.7 0	1.10	611.3 0	25.90	21.00	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
821	Patiala	Ghana ur	Nathu Majra	Nathu Majra	596	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.84	48.80	2.10	175.3 0	32.60	34.00	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
822	Patiala	Ghana ur	Paharipur	Pahairpur	874	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.127	10.85	3.33	519.26	0.73	1026.59	NT	NT	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
823	Patiala	Ghana ur	Pipal Mangoli	Pipal Mangoli	1035	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.41	114.40	1.20	199.30	12.50	6.30	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
824	Patiala	Ghana ur	Ram Nagar Sainian	Ram Nagar Sainian	2106	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.95	98.00	2.50	253.20	15.40	15.90	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
825	Patiala	Ghana ur	Sahal	Lochwan	1215	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.027	26.26	5.39	67.65	0.96	98.22	NT	NT	Fluoride	Surface Water Project Patiala & RO Plant	Covered
826	Patiala	Ghana ur	Sahal	Sahal	1294	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.027	26.26	5.39	67.65	0.96	98.22	NT	NT	Fluoride	Surface Water Project Patiala & RO Plant	Covered
827	Patiala	Ghana ur	Salempur Shekhan	Salempur Sekhan	3151	NT	NT	NT	NT	NT	NT	NT	NT	NT	9.32	NT	NT	NT	NT	NT	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
828	Patiala	Ghana ur	Sandharshi	Sandharshi	1705	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.80	126.20	1.10	158.20	10.70	3.10	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
829	Patiala	Ghana ur	Sanoulian	Sanoulian	1120	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.50	172.30	BDL	350.60	18.00	13.60	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
830	Patiala	Ghana ur	Shehkupura Maggar	Magar	413	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	5.74	175.50	BDL	719.40	34.10	24.60	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
831	Patiala	Ghana ur	Shehkupura Maggar	Sheikh upur	884	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	5.74	175.50	BDL	719.40	34.10	24.60	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
832	Patiala	Ghana ur	Sheikhupur a Rajputtan	Sheikh upur Rajputan	373	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.080	23.31	2.36	33.75	0.53	231.33	NT	NT	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
833	Patiala	Ghana ur	Sone Majra	Sogalpur	598	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.11	107.00	BDL	162.20	9.30	2.40	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
834	Patiala	Ghana ur	Sone Majra	Sone Majra	928	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.11	107.00	BDL	162.20	9.30	2.40	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
835	Patiala	Ghana ur	Tepla	Tepla	3029	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.87	219.50	4.00	191.70	9.90	7.10	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
836	Patiala	Ghana ur	Ulana	Ulana	1909	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	4.07	209.40	1.10	607.10	20.40	12.80	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
837	Patiala	Nabha	Birdhno	Birdhno	84	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	64.82	NT	NT	NT	NT	NT	NT	Ura nium	Not Covered	Under Considerati on
838	Patiala	Nabha	Khanora	Khanora	1826	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	0.42	38.30	51.80	21.00	57.60	38.30	Nitr ate	Not Covered	Under Considerati on
839	Patiala	Nabha	Sauja	Sauja	1390	NT	NT	NT	NT	0.023	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Ars enic	AIRP	Covered
840	Patiala	Nabha	Simbro	Simbro	1225	NT	NT	NT	NT	0.023	NT	NT	0.001	NT	NT	NT	NT	NT	NT	NT	Ars enic	AIRP	Covered
841	Patiala	Patiala	Bhateri	Bhateri	806	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.72	147.10	1.20	114.80	6.00	4.10	Flu orid e	Surface Water Project Patiala & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l - no relaxation	1.0mg/l - 1.5 mg/	250 mg/- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
842	Patiala	Patiala	Chamarheri	Chamar heri	939	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.77	74.40	1.60	160.50	17.60	22.70	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
843	Patiala	Patiala	Daun Khurd	Daun Khurd	1330	ND	ND	ND	ND	ND	ND	ND	0.227	19.50	1.81	NT	2.68	NT	NT	NT	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
844	Patiala	Patiala	Hardaspur	Hardas pur	1688	NT	NT	NT	NT	BDL	NT	NT	0.313	NT	1.22	657.10	10.10	532.20	151.20	74.20	Sulpha te	Not Covered	Under Considerati on
845	Patiala	Patiala	Kalyan	Dera Bahmna Inderpu ra	625	BDL	0.012	BDL	BDL	BDL	BDL	BDL	BDL	97.16	NT	NT	NT	NT	NT	NT	Ura nium	Not Covered	Under Considerati on
846	Patiala	Patiala	Kalyan	Kalyan	2277	BDL	0.012	BDL	BDL	BDL	BDL	BDL	BDL	97.16	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
847	Patiala	Patiala	Karheri	Karheri	2766	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.60	196.40	1.30	358.20	28.60	21.20	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
848	Patiala	Patiala	Kasba Rurki	Fam Bahadu rgarh	594	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.81	39.10	BDL	82.60	16.00	20.70	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
849	Patiala	Patiala	Kasba Rurki	Kasba Rurki	8488	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.81	39.10	BDL	82.60	16.00	20.70	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
850	Patiala	Patiala	Kathmathi	Kathma thi	1155	BDL	0.012	BDL	BDL	BDL	BDL	BDL	BDL	37.94	NT	NT	NT	NT	NT	NT	Sel enium	RO Plant	Covered
851	Patiala	Patiala	Kauli	Kauli	2328	BDL	0.006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.62	72.12	6.78	150.16	33.33	28.17	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
852	Patiala	Patiala	Mirjapur	Mirjapur	440	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.94	NT	NT	NT	NT	NT	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
853	Patiala	Patiala	Nandpur Kesho	Nandpur Kesho	1463	NT	NT	NT	NT	BDL	NT	NT	0.250	NT	1.00	807.00	NT	658.00	191.00	86.00	Sulphate	Surface Water Project Patiala & RO Plant	Covered
854	Patiala	Patiala	Raipur	Raipur	2685	ND	ND	ND	ND	ND	ND	ND	0.231	9.20	1.99	NT	1.07	NT	NT	NT	Fluoride	Surface Water Project Patiala & RO Plant	Covered
855	Patiala	Patiala	Rasulpur	Rasulpur Jorran	170	NT	NT	NT	NT	NT	NT	NT	NT	34.43	NT	NT	NT	NT	NT	NT	Uranium	Surface Water Project Patiala	Being Covered
856	Patiala	Patiala	Safdipur	Mehmoodpur Arrian	194	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.043	19.96	2.61	106.37	0.96	208.14	NT	NT	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
857	Patiala	Patiala	Safdipur	Safdipur / Saifdipur	750	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.043	19.96	2.61	106.37	0.96	208.14	NT	NT	Fluoride	Surface Water Project Patiala & RO Plant	Covered
858	Patiala	Patiala	Shankarpur	Mohabatpur	344	ND	ND	ND	ND	ND	ND	ND	0.756	11.70	1.98	NT	1.44	NT	NT	NT	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	covered
859	Patiala	Patiala	Shankarpur	Shankarpur	1110	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.53	67.40	1.30	173.30	24.30	24.90	Fluoride	Surface Water Project Patiala & RO Plant	Covered
860	Patiala	Rajpura	Aluna	Aluna	1313	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.67	111.80	1.10	319.50	18.80	15.70	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
861	Patiala	Rajpura	Bakshiwala	Bakshiwala	1453	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.80	57.90	1.10	108.10	8.40	2.60	Fluoride	Surface Water Project Patiala	Being Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
862	Patiala	Rajpur a	Basantpura	Basant pura	1351	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.72	92.00	1.00	306.00	30.00	25.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
863	Patiala	Rajpur a	Bhappal	Bhappa l	1977	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.14	61.40	1.00	100.10	4.10	2.70	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
864	Patiala	Rajpur a	Bhatiras	Bhatira s	313	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.54	NT	NT	NT	NT	NT	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
865	Patiala	Rajpur a	Bhattari	Akbarp ur	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.50	155.00	1.00	145.00	10.00	11.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
866	Patiala	Rajpur a	Bhattari	Bhateri	1310	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.50	155.00	1.00	145.00	10.00	11.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
867	Patiala	Rajpur a	Bhattari	Faridpu r Gujran	258	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.50	155.00	1.00	145.00	10.00	11.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
868	Patiala	Rajpur a	Chanduan Khurd	Chandu an Khurd	504	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.42	95.80	1.10	273.70	17.60	14.80	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
869	Patiala	Rajpur a	Chanduan Khurd	Ram Nagar Sounti	321	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.42	95.80	1.10	273.70	17.60	14.80	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
870	Patiala	Rajpur a	Changera	Change ra	1218	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.54	60.70	BDL	93.70	4.50	1.80	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
871	Patiala	Rajpur a	Dhabali Kalan	Dhabali Khurd	417	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.06	106.00	1.00	130.00	11.00	9.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
872	Patiala	Rajpur a	Dhabali Kalan	Dhabali	1181	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.06	106.00	1.00	130.00	11.00	9.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
873	Patiala	Rajpur a	Gado Majra	Gado Majra	944	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.72	42.20	1.20	111.00	12.70	6.50	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
874	Patiala	Rajpur a	Harion	Harion	525	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.19	94.50	4.60	158.10	10.70	9.30	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
875	Patiala	Rajpur a	Jandoli	Jandoli	4352	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.85	91.40	1.00	155.20	4.40	4.20	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
876	Patiala	Rajpur a	Kanwarpur	Kanwar pur	58	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.17	74.80	1.10	112.30	6.10	3.50	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
877	Patiala	Rajpur a	Kharajpur	Kharajp ur	2490	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.68	74.30	1.10	161.30	12.30	9.70	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
878	Patiala	Rajpur a	Khillawar	Khilawa r	1360	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.69	78.30	5.50	366.60	56.60	38.60	Fluorid e	CWPP- Fluoride	Covered
879	Patiala	Rajpur a	Kotla	Kotla	1131	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.46	47.00	1.00	122.00	8.00	6.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
880	Patiala	Rajpur a	Mirjapur	Mirjapur	1347	NT	NT	NT	NT	0.005	NT	NT	BDL	NT	1.74	112.00	1.10	125.00	3.60	2.40	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
881	Patiala	Rajpur a	Mirjapur	Wazira bad	267	NT	NT	NT	NT	0.005	NT	NT	BDL	NT	1.74	112.00	1.10	125.00	3.60	2.40	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
882	Patiala	Rajpur a	Naina Ugani	Naina	479	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.54	61.90	11.20	102.80	28.30	30.00	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
883	Patiala	Rajpur a	Nalas Kalan	Nalas Kalan	2631	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.92	53.00	2.00	95.00	8.00	6.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
884	Patiala	Rajpur a	Parao Ugana	Parao Ugana	448	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.40	68.20	1.20	148.60	27.20	22.70	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
885	Patiala	Rajpur a	Parao Ugana	Ugana	310	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.40	68.20	1.20	148.60	27.20	22.70	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
886	Patiala	Rajpur a	Rangian	Rangian	693	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.73	46.00	1.00	95.00	5.00	3.00	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
887	Patiala	Rajpur a	Sarai Banjara	Chack Kalan	544	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.07	107.70	1.10	339.30	20.90	16.80	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
888	Patiala	Rajpur a	Sarai Banjara	Sarai Banjara	897	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.07	107.70	1.10	339.30	20.90	16.80	Fluorid e	Surface Water Project Patiala & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
889	Patiala	Rajpur a	Shamdo	Shamdo	3912	NT	NT	NT	NT	BDL	NT	NT	0.160	NT	2.69	145.00	21.80	104.00	40.08	24.03	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
890	Patiala	Rajpur a	Sural Kalan	Sural Kalan	1921	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.14	63.00	1.00	105.00	5.00	3.00	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
891	Patiala	Rajpur a	Sural Kalan	Sural Khurd	378	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.14	63.00	1.00	105.00	5.00	3.00	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
892	Patiala	Rajpur a	Tehalpura	Tehalpura	524	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.06	85.60	1.90	229.60	2.80	3.70	Fluorid e	Fatehgarh Sahib Surface water project & RO Plant	Covered
893	Patiala	Rajpur a	Uksi	Uksi Jattan	1728	NT	NT	NT	NT	BDL	NT	NT	0.207	NT	2.74	102.60	1.50	179.90	11.30	9.60	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
894	Patiala	Rajpur a	Uksi	Uksi Sainian	1874	NT	NT	NT	NT	BDL	NT	NT	0.207	NT	2.74	102.60	1.50	179.90	11.30	9.60	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
895	Patiala	Rajpur a	Uppalheri	Uppalheri	1295	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.78	98.60	25.70	138.10	26.80	29.10	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
896	Patiala	Sanaur	Assarpur	Assarpur	1315	NT	NT	NT	NT	0.008	NT	NT	BDL	NT	1.66	134.80	2.10	221.70	19.50	22.30	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
897	Patiala	Sanaur	Assarpur	Bosar Khurd	228	NT	NT	NT	NT	0.008	NT	NT	BDL	NT	1.66	134.80	2.10	221.70	19.50	22.30	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
898	Patiala	Sanaur	Budanpur B- Sanour)	Budanpur	691	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.58	66.70	BDL	119.70	19.00	27.30	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
899	Patiala	Sanaur	Budanpur B- Sanour)	Samaspur	821	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.58	66.70	BDL	119.70	19.00	27.30	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
900	Patiala	Sanaur	Charason	Charason	2634	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.53	37.00	5.00	228.00	3.00	5.00	Fluoride	CWPP- Fluoride	Covered
901	Patiala	Sanaur	Devi Nagar	Devi Nagar	679	BDL	0.016	BDL	BDL	BDL	BDL	BDL	BDL	27.88	NT	NT	NT	NT	NT	NT	Selenium	Not Covered	Under Consideration
902	Patiala	Sanaur	Kasba Rurki	Noor Kherian	2154	ND	ND	ND	ND	ND	ND	ND	0.262	27.80	1.81	NT	2.70	NT	NT	NT	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	covered
903	Patiala	Sanaur	Mehergarh Batta	Mehergarh Batti	488	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.12	119.60	1.80	298.80	27.20	27.70	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
904	Patiala	Shambhu Kalan	Abdulpur	Abdalpur	408	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.02	75.00	2.00	196.00	19.00	18.00	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
905	Patiala	Shambhu Kalan	Akar Akri	Akar	1331	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.11	118.60	1.10	329.80	23.90	21.30	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
906	Patiala	Shambhu Kalan	Akar Akri	Akari	596	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.11	118.60	1.10	329.80	23.90	21.30	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered
907	Patiala	Shambhu Kalan	Akar Akri	Bathli	294	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.11	118.60	1.10	329.80	23.90	21.30	Fluoride	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
908	Patiala	Shamb hu Kalan	Alampur	Alampur	957	NT	NT	NT	NT	BDL	NT	NT	0.170	NT	4.25	50.00	20.60	54.00	9.62	9.72	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
909	Patiala	Shamb hu Kalan	Alawal Majra	Alawal Majra	794	NT	NT	NT	NT	0.006	NT	NT	BDL	NT	1.97	63.20	BDL	93.30	7.50	3.50	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
910	Patiala	Shamb hu Kalan	Bathonia Khurd	Bathoni a Kalan	1864	0.007	BDL	BDL	BDL	0.007	BDL	BDL	0.191	47.33	2.11	171.70	1.14	141.29	NT	NT	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
911	Patiala	Shamb hu Kalan	Bathonia Khurd	Bathoni a Khurd	1473	0.007	BDL	BDL	BDL	0.007	BDL	BDL	0.191	47.33	2.11	171.70	1.14	141.29	NT	NT	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
912	Patiala	Shamb hu Kalan	Bathonia Khurd	Gandia n	456	0.007	BDL	BDL	BDL	0.007	BDL	BDL	0.191	47.33	2.11	171.70	1.14	141.29	NT	NT	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
913	Patiala	Shamb hu Kalan	Bhappal	Mangp ur	554	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.14	61.40	1.00	100.10	4.10	2.70	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
914	Patiala	Shamb hu Kalan	Bhedwal	Bhedw al & Jhuggia n	1425	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.55	101.50	2.40	302.00	17.10	17.70	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
915	Patiala	Shamb hu Kalan	Bhoglan	Bhogla n	1326	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	4.71	231.30	8.00	516.40	17.60	18.30	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
916	Patiala	Shamb hu Kalan	Chamaru & Mehtabgarh	Chamar u	2763	NT	NT	NT	NT	0.006	NT	NT	BDL	NT	2.98	48.10	1.00	81.90	5.30	2.80	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
917	Patiala	Shamb hu Kalan	Chamaru & Mehtabgarh	Mehtabgarh	132	NT	NT	NT	NT	0.006	NT	NT	BDL	NT	2.98	48.10	1.00	81.90	5.30	2.80	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
918	Patiala	Shamb hu Kalan	Chattar Nagar	Chatar Nagar	606	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.16	89.00	1.00	225.00	14.00	12.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
919	Patiala	Shamb hu Kalan	Dakanhsu Kalan	Dhakan su Kalan	3792	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.32	67.40	1.10	185.80	7.30	5.20	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
920	Patiala	Shamb hu Kalan	Dakanhsu Kalan	Dhakan su Khurd	255	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	3.32	67.40	1.10	185.80	7.30	5.20	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
921	Patiala	Shamb hu Kalan	Dhakansu Majra	Dhakan su Majra	530	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.65	214.60	3.10	200.50	44.50	21.30	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
922	Patiala	Shamb hu Kalan	Dhindsa	Dhinds a	926	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.120	19.78	2.30	205.67	1.02	349.27	NT	NT	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
923	Patiala	Shamb hu Kalan	Dhindsa	Jakhran	594	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.120	19.78	2.30	205.67	1.02	349.27	NT	NT	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
924	Patiala	Shamb hu Kalan	Gardi Nagar	Gardi Nagar	863	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.72	62.60	1.00	89.00	3.60	1.50	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
925	Patiala	Shamb hu Kalan	Gharama Kalan	Ghara ma Khurd	192	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.16	44.80	1.20	87.20	5.90	2.60	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
926	Patiala	Shamb hu Kalan	Gharama Kalan WM	Ghara ma Kalan	1355	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.078	6.14	2.51	58.00	0.57	109.00	7.98	2.43	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
927	Patiala	Shamb hu Kalan	Gopalpur	Badoli Gujran	818	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.62	88.60	1.50	104.90	4.00	2.80	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
928	Patiala	Shamb hu Kalan	Gopalpur	Gopalpur	1805	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.62	88.60	1.50	104.90	4.00	2.80	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
929	Patiala	Shamb hu Kalan	Jai Nagar	Jai Nagar & Basti Amirpur	1797	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.39	124.00	1.00	231.00	12.00	8.00	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
930	Patiala	Shamb hu Kalan	Jai Nagar	Safdarpur	759	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.33	113.00	1.00	200.40	10.10	8.40	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
931	Patiala	Shamb hu Kalan	Jakhepal	Bibipur	260	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.87	108.00	1.00	319.00	14.00	3.00	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
932	Patiala	Shamb hu Kalan	Jakhepal	Jakhepal	506	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.87	108.00	1.00	319.00	14.00	3.00	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
933	Patiala	Shamb hu Kalan	Kasba Rurki	Mehmo odpur	720	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.81	39.10	BDL	82.60	16.00	20.70	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
934	Patiala	Shamb hu Kalan	Khadoli	Kharoli / Khando li	2017	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.59	60.00	3.00	91.00	4.00	3.00	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
935	Patiala	Shamb hu Kalan	Khairpur Jattan	Khairpu r jattan	1176	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	5.15	193.10	2.10	492.70	12.80	18.30	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
936	Patiala	Shamb hu Kalan	Khairpur Sheikh an	Khairpu r Sheikh an	961	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.63	NT	NT	NT	NT	NT	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
937	Patiala	Shamb hu Kalan	Khanpur Brring	Khanpu r Baring	1615	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.62	103.30	1.50	131.10	5.10	4.50	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
938	Patiala	Shamb hu Kalan	Kheri Gandian	Kheri Gandia n	1790	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.00	158.10	31.90	353.50	41.40	45.70	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
939	Patiala	Shamb hu Kalan	Kheri GFurna	Kheri Gurna	1841	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.92	51.50	1.20	84.70	3.60	1.90	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
940	Patiala	Shamb hu Kalan	Madanpur	Madan pur	2515	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.037	17.51	8.52	45.52	0.71	242.84	NT	NT	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
941	Patiala	Shamb hu Kalan	Mandwal	Mandwal & Alipur	1114	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.26	100.00	3.20	208.90	24.40	21.00	Fluorid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
942	Patiala	Shamb hu Kalan	Mehma	Mehma	838	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.15	170.20	1.40	110.90	4.60	3.90	Fluorid e	Surface Water Project Patiala & RO Plant	Covered
943	Patiala	Shamb hu Kalan	Mohi Khurd	Mohi Khurd	1885	NT	NT	NT	NT	0.006	NT	NT	BDL	NT	1.76	67.00	2.00	91.00	6.00	2.00	Fluorid e	Surface Water Project Patiala	Being Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
944	Patiala	Shamb hu Kalan	NEPRAN	Nepran	1112	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.11	31.00	1.10	125.00	9.80	4.40	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
945	Patiala	Shamb hu Kalan	Niamatpura	Niamat pura	959	NT	NT	NT	NT	BDL	NT	NT	0.288	NT	2.30	68.00	4.00	445.00	107.00	24.00	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
946	Patiala	Shamb hu Kalan	Pabra	Pabra	1315	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	1.79	108.60	1.10	135.40	4.90	3.10	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
947	Patiala	Shamb hu Kalan	Pehar Kalan	Pehar Kalan	1078	NT	NT	NT	NT	BDL	NT	NT	0.290	NT	2.62	151.00	23.10	1280.00	105.81	57.35	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
948	Patiala	Shamb hu Kalan	Pehar Kalan	Pehar Khurd	660	NT	NT	NT	NT	BDL	NT	NT	0.290	NT	2.62	151.00	23.10	1280.00	105.81	57.35	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
949	Patiala	Shamb hu Kalan	Said Kheri & Gazipur	Gazipur	460	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.11	487.70	BDL	117.80	3.80	3.20	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
950	Patiala	Shamb hu Kalan	Said Kheri & Gazipur	Saidkheri	8334	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.11	487.70	BDL	117.80	3.80	3.20	Flu orid e	Surface Water Project Patiala & RO Plant	Covered
951	Patiala	Shamb hu Kalan	Sehra	Sehra	1447	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.20	123.70	1.20	317.70	18.70	18.30	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
952	Patiala	Shamb hu Kalan	Sehri	Sehri	752	NT	NT	NT	NT	BDL	NT	NT	0.450	NT	2.31	117.70	BDL	301.80	24.20	22.10	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
953	Patiala	Shamb hu Kalan	Surajgharh	Surajga rh	971	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.63	49.90	1.10	91.30	9.50	2.90	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
954	Patiala	Shamb hu Kalan	Suron Pararipur	Suron	1913	BDL	BDL	BDL	BDL	0.007	BDL	BDL	0.019	9.36	1.90	132.5 6	1.52	225.6 3	8.00	8.11	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
955	Patiala	Sirhind	Akar Akri	Dittupur Fakiran	342	NT	NT	NT	NT	BDL	NT	NT	BDL	NT	2.11	118.6 0	1.10	329.8 0	23.90	21.30	Flu orid e	CWPP- Fluoride & Surface Water Project Patiala	Covered
956	Roopnagar	Anand pur Sahib	Babhour Sahib	Babhaur sahib**	2450	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.28	50.18	93.31	66.75	NT	NT	Nitr ate	Not Covered	Under Considerati on
957	Roopnagar	Anand pur Sahib	Chuttewal Mojewal	Baman Basti	63	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.17	344.3 3	145.33	14.94	NT	NT	Nitr ate	Not Covered	Under Considerati on
958	Roopnagar	Anand pur Sahib	Chuttewal Mojewal	Bela dhiani	1174	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.17	344.3 3	145.33	14.94	NT	NT	Nitr ate	Not Covered	Under Considerati on
959	Roopnagar	Anand pur Sahib	Chuttewal Mojewal	Bsant Chemic al wali Abadi Chutte wal	95	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.17	344.3 3	145.33	14.94	NT	NT	Nitr ate	Not Covered	Under Considerati on
960	Roopnagar	Anand pur Sahib	Chuttewal Mojewal	Chhute wal	1156	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.17	344.3 3	145.33	14.94	NT	NT	Nitr ate	Not Covered	Under Considerati on
961	Roopnagar	Anand pur Sahib	Chuttewal Mojewal	Dola Basti Bela Dhiani	52	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.17	344.3 3	145.33	14.94	NT	NT	Nitr ate	Not Covered	Under Considerati on
962	Roopnagar	Anand pur Sahib	Chuttewal Mojewal	Granthi an Wali Abadi Mojowa l	85	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.17	344.3 3	145.33	14.94	NT	NT	Nitr ate	Not Covered	Under Considerati on

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
963	Roopnagar	Anandpur Sahib	Chuttewal Mojewal	Mehlawan Road Abadi Chhute wal	230	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.17	344.33	145.33	14.94	NT	NT	Nitrate	Not Covered	Under Consideration
964	Roopnagar	Anandpur Sahib	Chuttewal Mojewal	Mojowal	1480	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.17	344.33	145.33	14.94	NT	NT	Nitrate	Not Covered	Under Consideration
965	Roopnagar	Anandpur Sahib	Nikku Nangal	Humbe wal	1506	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.26	66.76	106.33	49.28	NT	NT	Nitrate	Surface water project Anandpur Sahib	Being Covered
966	Roopnagar	Anandpur Sahib	Nikku Nangal	Humbe walSC Abadi	375	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.26	66.76	106.33	49.28	NT	NT	Nitrate	Surface water project Anandpur Sahib	Being Covered
967	Roopnagar	Anandpur Sahib	Nikku Nangal	Nangal nikku	2856	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.26	66.76	106.33	49.28	NT	NT	Nitrate	Surface water project Anandpur Sahib	Being Covered
968	Roopnagar	Anandpur Sahib	Nikku Nangal	Nangal nikkuLower	935	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.26	66.76	106.33	49.28	NT	NT	Nitrate	Surface water project Anandpur Sahib	Being Covered
969	Roopnagar	Chamkaur Sahib	Bhallian	Bhalian	1502	NT	NT	NT	NT	0.014	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
970	Roopnagar	Chamkaur Sahib	Bhallian	Silomas ko	577	NT	NT	NT	NT	0.014	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
971	Roopnagar	Morinda	Dumna	Samana Khurd	800	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
972	Roopnagar	Morinda	Lutheri	Lutheri	1206	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
973	Roopnagar	Morinda	Lutheri	Majri	458	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
974	Roopnagar	Roopnagar	Dulchi Majra	Dulchi majra	1037	BDL	BDL	BDL	BDL	0.011	BDL	BDL	BDL	BDL	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
975	Roopnagar	Roopnagar	Dulchi Majra	Goslan	804	BDL	BDL	BDL	BDL	0.011	BDL	BDL	BDL	BDL	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
976	Roopnagar	Roopnagar	Katli	Katli	541	BDL	BDL	BDL	BDL	0.013	BDL	BDL	BDL	10.26	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers	Covered
977	Roopnagar	Nurpur Bedi	Garhbagga	Garhbagga	2489	NT	NT	NT	NT	0.045	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
978	Roopnagar	Nurpur Bedi	Roruane	Roruane	368	BDL	0.006	BDL	BDL	0.024	BDL	BDL	BDL	BDL	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
979	Sangrur	Andana	Badalgarh	Badalgarh	1946	BDL	0.016	BDL	BDL	0.001	BDL	0.000	0.008	36.76	NT	NT	NT	NT	NT	NT	Selenium	RO Plant	Covered
980	Sangrur	Andana	Bhullan	Bullan	4195	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	73.47	2.16	123.70	17.73	264.91	NT	NT	Fluoride	RO Plant	Covered
981	Sangrur	Dhuri	Mulalowal	Mulalowal	3580	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	96.50	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
982	Sangrur	Dhuri	natt	Natt	1654	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	108.98	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
983	Sangrur	Dhuri	Punnawal	Punnawal	2910	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	99.25	NT	NT	NT	NT	NT	NT	Uranium	RO Plant	Covered
984	Sangrur	Dirba	Chathananhera	Ratola	1994	BDL	0.005	BDL	BDL	BDL	BDL	BDL	BDL	115.28	2.65	82.04	23.87	143.92	NT	NT	Fluoride	RO Plant	Covered
985	Sangrur	Dirba	Rattangarh sidhran	Rattangarh Sidhran sc basti	91	BDL	0.014	BDL	BDL	BDL	BDL	BDL	BDL	46.47	NT	123.00	NT	NT	35.00	26.00	Selenium	Bechirag	Not Required
986	Sangrur	Dirba	Rattangarh sidhran	Rattangarh Sidhran	1179	BDL	0.014	BDL	BDL	BDL	BDL	BDL	BDL	46.47	NT	123.00	NT	NT	35.00	26.00	Selenium	Not Covered	Under Consideration
987	Sangrur	Lehragaga	Changaliwala	Arkbass	1732	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.13	NT	NT	NT	NT	NT	Fluoride	CWPP-Fluoride	Covered
988	Sangrur	Lehragaga	Haryou	Haryou	5237	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	65.33	0.72	199.90	19.64	509.56	29.12	52.89	Uranium	RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
989	Sangrur	Lehrag aga	Lehal khurd	Lehal Khurd	3055	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1382.81	NT	NT	Sulpha te	RO Plant	Covered
990	Sangrur	Malerkotla-II	Bir Imamgarh	Bir Amamgarh	714	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	75.70	NT	NT	NT	NT	NT	NT	Ura nium	Not Covered	Under Considerati on
991	Sangrur	Malerkotla-II	Bir Imamgarh	Ibrahim pura	250	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	75.70	NT	NT	NT	NT	NT	NT	Ura nium	Not Covered	Under Considerati on
992	Sangrur	Malerkotla-II	Manki RO	Manki	1949	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	67.44	0.60	83.87	29.10	26.77	NT	NT	Ura nium	RO Plant	Covered
993	Sangrur	Sangru r	Badrukhan	Badruhan	9083	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	119.13	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
994	Sangrur	Sangru r	Takkipur	Ratoke	1133	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	112.92	0.65	128.71	10.61	439.19	38.59	31.43	Ura nium	RO Plant	Covered
995	Sangrur	Sangru r	Takkipur	Takkipu r	1148	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	112.92	0.65	128.71	10.61	439.19	38.59	31.43	Ura nium	RO Plant	Covered
996	Sangrur	Sangru r	Togewal	Togewa l	2630	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	71.49	NT	NT	NT	NT	NT	NT	Ura nium	Not Covered	Under Considerati on
997	Sangrur	Sunam	Chathe nanhera	Chathe nanhera	5427	BDL	0.005	BDL	BDL	BDL	BDL	BDL	BDL	115.28	2.65	82.04	23.87	143.92	NT	NT	Flu oride	RO Plant	Covered
998	Sangrur	Sunam	Ugrahan	Ugraha n	3888	ND	ND	ND	ND	ND	ND	ND	ND	99.90	0.98	NT	5.40	NT	NT	NT	Ura nium	RO Plant	Covered
999	SAS Nagar	Dera Bassi	Dangdera	Dangde hra	456	NT	NT	NT	NT	BDL	NT	NT	0.040	NT	3.69	145.00	18.90	117.00	9.62	8.75	Flu oride	CWPP-Fluoride	Covered
1000	SAS Nagar	Dera Bassi	Dangdera	Sadhan pur	1043	NT	NT	NT	NT	BDL	NT	NT	0.040	NT	3.69	145.00	18.90	117.00	9.62	8.75	Flu oride	CWPP-Fluoride	Covered
1001	SAS Nagar	Dera Bassi	Ibrahimpur	Ibrahim pur	714	NT	NT	NT	NT	0.024	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1002	SBS Nagar	Aur	Mirpur Lakha	Bohara	385	BDL	0.015	BDL	BDL	BDL	BDL	BDL	0.045	15.02	NT	NT	NT	NT	NT	NT	Sel enium	Not Covered	Under Considerati on

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1003	SBS Nagar	Aur	Mirpur Lakha	Mai Ditta	199	BDL	0.015	BDL	BDL	BDL	BDL	BDL	0.045	15.0 2	NT	NT	NT	NT	NT	NT	Sel eniu m	Not Covered	Under Considerati on
1004	SBS Nagar	Aur	Mirpur Lakha	Mirpur Lakha	1097	BDL	0.015	BDL	BDL	BDL	BDL	BDL	0.045	15.0 2	NT	NT	NT	NT	NT	NT	Sel eniu m	Not Covered	Under Considerati on
1005	SBS Nagar	Balach aur	Simble Majara	Garle Dhaha	695	BDL	0.087	BDL	BDL	BDL	BDL	BDL	0.026	41.2 5	NT	NT	NT	NT	NT	NT	Sel eniu m	RO Plant	Covered
1006	SBS Nagar	Banga	Cheta	Cheta	922	NT	0.041	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Sel eniu m	RO Plant	Covered
1007	SBS Nagar	Nawan Shahar	Bagohran	Bhagoran	1679	BDL	0.014	BDL	BDL	BDL	BDL	BDL	BDL	12.6 0	NT	NT	NT	NT	NT	NT	Sel eniu m	RO Plant	Covered
1008	SBS Nagar	Nawan Shahar	Birowal	Birowal	926	NT	0.012	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Sel eniu m	Not Covered	Under Considerati on
1009	SBS Nagar	Nawan Shahar	Nai Majara	Nai Mazara	945	BDL	0.015	BDL	BDL	BDL	BDL	BDL	BDL	23.8 1	NT	NT	NT	NT	NT	NT	Sel eniu m	Not Covered	Under Considerati on
1010	Tarn Taran	Bhikhi Wind	Abadi Sarwan Singh	Abadi Sarwan Singh	214	BDL	BDL	0.000	NT	0.046	BDL	BDL	BDL	BDL	NT	NT	NT	NT	NT	NT	Ars enic	HH Purifiers & Surface Water Project Bhuchar Kalan	Covered
1011	Tarn Taran	Bhikhi Wind	Ahmedpur	Ahmed pura	966	BDL	BDL	BDL	BDL	0.014	BDL	BDL	NT	19.3 3	NT	19.99	1.14	19.03	NT	NT	Ars enic	AIRP	Covered
1012	Tarn Taran	Bhikhi Wind	Ahmedpur	Jamalpur	781	BDL	BDL	BDL	BDL	0.014	BDL	BDL	NT	19.3 3	NT	19.99	1.14	19.03	NT	NT	Ars enic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1013	Tarn Taran	Bhikhi Wind	Algon Kalan	Algon Kalan	1113	BDL	BDL	BDL	0.000	0.013	BDL	BDL	BDL	15.3 7	NT	NT	NT	NT	NT	NT	Ars enic	AIRP & Surface Water Project Bhuchar Kalan	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1014	Tarn Taran	Bhikhi Wind	Algon Khurd	Algon Khurd	1370	BDL	BDL	BDL	0.000	0.067	BDL	0.005	0.003	1.20	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface Water Project Bhuchar Kalan	Covered
1015	Tarn Taran	Bhikhi Wind	Bainka Balair	Bainka	2763	0.005	BDL	0.006	BDL	0.056	0.000	0.003	0.497	2.25	0.33	2.14	BDL	8.90	NT	NT	Arsenic	Surface Water Project Bhuchar Kalan & RO Plant	Covered
1016	Tarn Taran	Bhikhi Wind	Bainka Balair	Balehar	2840	0.005	BDL	0.006	BDL	0.056	0.000	0.003	0.497	2.25	0.33	2.14	BDL	8.90	NT	NT	Arsenic	AIRP & Surface Water Project Bhuchar Kalan	Covered
1017	Tarn Taran	Bhikhi Wind	Chhana Sirja Mirja	Channa Sirja Mirza	553	BDL	0.002	BDL	0.000	0.010	BDL	BDL	BDL	21.75	NT	NT	NT	NT	NT	NT	Arsenic	Surface Water Project Bhuchar Kalan & RO Plant	Covered
1018	Tarn Taran	Bhikhi Wind	Darazke	Darazke	1141	BDL	BDL	BDL	0.000	0.025	BDL	BDL	0.007	9.14	NT	19.99	NT	NT	32.06	28.18	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1019	Tarn Taran	Bhikhi Wind	Dode Sodhian	Dode Sodhian	1186	BDL	BDL	BDL	0.000	0.024	BDL	BDL	0.057	9.33	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1020	Tarn Taran	Bhikhi Wind	Ghurwind	Ghurwind	2098	BDL	BDL	BDL	0.001	0.076	BDL	BDL	BDL	BDL	BDL	4.00	1.15	15.12	NT	NT	Arsenic	HH Purifiers & Surface Water Project Bhuchar Kalan	Covered
1021	Tarn Taran	Bhikhi Wind	Gilpan, Theh Kalan	Gill Pan	330	0.004	0.002	0.004	BDL	0.027	0.000	0.003	0.302	96.14	1.64	75.75	2.32	141.23	NT	NT	Arsenic	Surface Water Project Bhuchar Kalan & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1022	Tarn Taran	Bhikhi Wind	Kale Sandhran	Kale	1293	0.004	BDL	0.002	BDL	0.025	0.000	0.006	0.226	10.06	0.33	5.27	9.48	9.57	NT	NT	Arsenic	AIRP & Surface Water Project Bhuchar Kalan	Covered
1023	Tarn Taran	Bhikhi Wind	Kale Sandhran	Sandra n	1449	0.004	BDL	0.002	BDL	0.025	0.000	0.006	0.226	10.06	0.33	5.27	9.48	9.57	NT	NT	Arsenic	AIRP & Surface Water Project Bhuchar Kalan	Covered
1024	Tarn Taran	Bhikhi Wind	Kalsian Khurd	Kalsian Khurd	1521	BDL	BDL	BDL	0.000	0.026	BDL	BDL	0.005	7.44	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1025	Tarn Taran	Bhikhi Wind	Kulla	Kulla	2122	BDL	BDL	BDL	0.000	0.080	0.000	BDL	BDL	1.34	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Considerati on
1026	Tarn Taran	Bhikhi Wind	Manihala Jai Singh	Manihal a Jai Singh	3172	0.006	0.003	0.004	0.000	0.021	0.000	0.032	0.342	22.57	0.30	56.50	BDL	76.80	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1027	Tarn Taran	Bhikhi Wind	Mari Nau Abad	Mari Nau Abad	815	BDL	BDL	BDL	0.000	0.055	BDL	BDL	0.003	4.27	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Bhuchar Kalan	Covered
1028	Tarn Taran	Bhikhi Wind	Mugal Chak	Mughal Chak	812	BDL	0.006	BDL	BDL	0.017	BDL	BDL	BDL	53.55	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1029	Tarn Taran	Bhikhi Wind	Puhla	Puhla	1263	BDL	BDL	BDL	0.000	0.029	BDL	BDL	BDL	5.12	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface Water Project Bhuchar Kalan	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1030	Tarn Taran	Bhikhi Wind	Puhla Singh Pura	Singhpura	1314	0.008	BDL	0.004	BDL	0.027	0.000	0.006	0.403	7.59	0.43	5.66	BDL	28.12	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1031	Tarn Taran	Bhikhi Wind	Surwind	Surwind	1407	BDL	BDL	BDL	0.000	0.061	BDL	BDL	0.005	0.84	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface Water Project Bhuchar Kalan	Covered
1032	Tarn Taran	Bhikhi Wind	Wara Sher Singh	Wara Sher Singh	553	0.002	0.001	0.003	0.000	0.034	0.000	0.003	0.117	21.75	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & Surface Water Project Bhuchar Kalan	Covered
1033	Tarn Taran	Bhikhi Wind	Wara Telian	Wara Telian	553	BDL	BDL	BDL	BDL	0.071	BDL	BDL	0.062	9.10	BDL	4.52	1.56	17.88	NT	NT	Arsenic	AIRP	Covered
1034	Tarn Taran	Bhikhi wind	Bur Chand	Bur Chand	881	BDL	BDL	BDL	BDL	0.054	BDL	BDL	0.048	BDL	BDL	2.70	1.15	14.50	NT	NT	Arsenic	AIRP & Surface Water Project Bhuchar Kalan	Covered
1035	Tarn Taran	Chohla Sahib	Chohla Sahib	Chohla Sahib	11444	NT	NT	NT	NT	0.017	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	RO Plant	Covered
1036	Tarn Taran	Chohla Sahib	Dilawalpur	Dilawalpur	1334	NT	NT	NT	NT	0.025	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1037	Tarn Taran	Chohla Sahib	Jhnader Mahapurkhan	Jhande r Mahapurkhan	1011	BDL	BDL	BDL	BDL	0.014	BDL	BDL	0.239	13.52	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1038	Tarn Taran	Chohla Sahib	Johal Dhaiwala	Johal Dhaiwala	2288	NT	NT	NT	NT	0.029	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1039	Tarn Taran	Chohla Sahib	Khela	Khela	658	NT	NT	NT	NT	0.025	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1040	Tarn Taran	Chohla Sahib	Manak Deke	Manak Deke	677	BDL	BDL	BDL	0.000	0.016	BDL	BDL	0.011	9.03	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1041	Tarn Taran	Chohla Sahib	Mohanpura	Bhathal Seja Singh	710	NT	NT	NT	NT	0.021	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1042	Tarn Taran	Chohla Sahib	Mohanpura	Mohanpura	1690	NT	NT	NT	NT	0.021	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & RO Plant	Covered
1043	Tarn Taran	Chohla Sahib	Mohanpura	Wariah	1817	NT	NT	NT	NT	0.021	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1044	Tarn Taran	Gandhi wind	Chichrewal	Chichrewal	1268	NT	NT	NT	NT	0.049	NT	NT	0.006	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1045	Tarn Taran	Gandhi wind	Dhala	Dhala	812	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	RO Plant	Covered
1046	Tarn Taran	Gandhi wind	Dodey	Dodey	1006	0.001	BDL	BDL	0.000	0.031	BDL	BDL	0.038	2.92	0.31	3.98	NT	2.60	24.05	9.72	Arsenic	Not Covered	Under Consideration
1047	Tarn Taran	Gandhi wind	Dodey	Kot Sivia	741	0.001	BDL	BDL	0.000	0.031	BDL	BDL	0.038	2.92	0.31	3.98	NT	2.60	24.05	9.72	Arsenic	Not Covered	Under Consideration
1048	Tarn Taran	Gandhi wind	Gandiwind	Gandiwind	4544	NT	NT	NT	NT	0.024	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & RO Plant	Covered
1049	Tarn Taran	Gandhi wind	Gandiwind	Leian	2102	NT	NT	NT	NT	0.024	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1050	Tarn Taran	Gandhi wind	Gandiwind	Shukar Chak	2096	NT	NT	NT	NT	0.024	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1051	Tarn Taran	Gandhi wind	Harbanspura (kasel)	Harbanspura (kasel)	345	BDL	BDL	BDL	BDL	0.012	BDL	BDL	NT	13.09	NT	9.49	1.17	26.31	NT	NT	Arsenic	HH Purifiers & Surface water project Sangna	Covered
1052	Tarn Taran	Naush ehra Punnuan	Bhattal Bhaike	Bhattal Bhaike	1896	NT	NT	NT	NT	0.041	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP & RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1053	Tarn Taran	Naush ehra Punnu an	Chambal	Chamb al	1195	BDL	BDL	BDL	0.000	0.005	BDL	BDL	0.006	198.73	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
1054	Tarn Taran	Naush ehra Punnu an	Chambal	Jatta	760	BDL	BDL	BDL	0.000	0.005	BDL	BDL	0.006	198.73	NT	NT	NT	NT	NT	NT	Ura nium	RO Plant	Covered
1055	Tarn Taran	Naush ehra Punnu an	Chaudriwal a	Choudh ariwala	3602	BDL	BDL	BDL	0.000	0.014	BDL	BDL	0.011	6.42	NT	NT	NT	NT	NT	NT	Ars enic	AIRP & RO Plant	Covered
1056	Tarn Taran	Naush ehra Punnu an	Chaudriwal a	Kheda	620	BDL	BDL	BDL	0.000	0.014	BDL	BDL	0.011	6.42	NT	NT	NT	NT	NT	NT	Ars enic	AIRP	Covered
1057	Tarn Taran	Naush ehra Punnu an	Chaudriwal a	Nand Pur	3061	BDL	BDL	BDL	0.000	0.014	BDL	BDL	0.011	6.42	NT	NT	NT	NT	NT	NT	Ars enic	AIRP & RO Plant	Covered
1058	Tarn Taran	Naush ehra Punnu an	Chaudriwal a	Thathia n Mahant an	3090	BDL	BDL	BDL	0.000	0.014	BDL	BDL	0.011	6.42	NT	NT	NT	NT	NT	NT	Ars enic	AIRP & RO Plant	Covered
1059	Tarn Taran	Naush ehra Punnu an	Chutala	Abadi Harijan	168	BDL	0.001	BDL	BDL	0.011	BDL	BDL	0.002	13.30	NT	NT	NT	NT	NT	NT	Ars enic	AIRP & Surface Water Project Bhuchar Kalan	Covered
1060	Tarn Taran	Naush ehra Punnu an	Dhotian	Dhotian	7341	BDL	0.003	BDL	BDL	0.011	BDL	BDL	BDL	32.68	NT	NT	NT	NT	NT	NT	Ars enic	RO Plant	Covered
1061	Tarn Taran	Naush ehra Punnu an	Dhotian	Dugri	846	BDL	0.003	BDL	BDL	0.011	BDL	BDL	BDL	32.68	NT	NT	NT	NT	NT	NT	Ars enic	Not Covered	Under Considerati on

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1062	Tarn Taran	Naush ehra Punnu an	Durgapur Garbi	Durgap ur Garbi	1134	NT	NT	NT	NT	0.023	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Ars enic	AIRP	Covered
1063	Tarn Taran	Naush ehra Punnu an	Jallian Wala	Jallowal a	1113	BDL	BDL	BDL	0.000	0.011	BDL	BDL	0.003	9.08	NT	NT	NT	NT	NT	NT	Ars enic	AIRP	Covered
1064	Tarn Taran	Naush ehra Punnu an	Jawanda Kalan	Jawand a Kalan	2205	NT	NT	NT	NT	0.025	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Ars enic	AIRP & RO Plant	Covered
1065	Tarn Taran	Naush ehra Punnu an	Kahlwan	Kahlwa n	1581	0.003	BDL	0.002	0.000	0.013	0.00 0	0.00 3	0.083	14.8 3	NT	NT	NT	NT	NT	NT	Ars enic	Not Covered	Under Considerati on
1066	Tarn Taran	Patti	Bangla Rai	Bangla Rai	900	0.000	0.000	0.000	0.000	0.032	0.00 0	0.00 5	0.001	4.00	0.46	32.83	0.50	BDL	8.08	18.64	Ars enic	AIRP	Covered
1067	Tarn Taran	Patti	Bangla Rai	Talwan di Mohar Singh	1223	0.000	0.000	0.000	0.000	0.032	0.00 0	0.00 5	0.001	4.00	0.46	32.83	0.50	BDL	8.08	18.64	Ars enic	AIRP	Covered
1068	Tarn Taran	Patti	Bhangala	Bhanga la	2259	BDL	0.001	BDL	0.000	0.010	BDL	BDL	BDL	4.46	NT	NT	NT	NT	NT	NT	Ars enic	AIRP & RO Plant	Covered
1069	Tarn Taran	Patti	Bhojke	Bhojek e	77	NT	NT	NT	NT	0.040	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Ars enic	HH Purifiers	Covered
1070	Tarn Taran	Patti	Dhariwal	Dhariw al	2291	ND	ND	ND	ND	0.044	ND	ND	NT	BDL	0.30	NT	7.20	NT	NT	NT	Ars enic	Arsenic Removal HP (Niti Aayog) & Surface Water Project Bhuchar Kalan	Covered
1071	Tarn Taran	Patti	Dhigana	Dhagan a	1152	BDL	0.008	BDL	0.000	0.021	BDL	BDL	BDL	51.2 8	NT	NT	NT	NT	NT	NT	Ars enic	AIRP	Covered
1072	Tarn Taran	Patti	Jhuggian Pir Bakash	Jhuggai n Pir Baksh	297	BDL	BDL	BDL	0.001	0.031	BDL	BDL	BDL	2.04	NT	NT	NT	NT	NT	NT	Ars enic	AIRP	Covered
1073	Tarn Taran	Patti	Jhuggian Pir Bakash	Radhal ke	566	BDL	BDL	BDL	0.001	0.031	BDL	BDL	BDL	2.04	NT	NT	NT	NT	NT	NT	Ars enic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1074	Tarn Taran	Patti	Kot Budha	Bhahu wal	262	BDL	BDL	BDL	0.000	0.070	BDL	BDL	0.022	1.88	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1075	Tarn Taran	Patti	Kot Budha	Kot Bhudha	2254	BDL	BDL	BDL	0.000	0.070	BDL	BDL	0.022	1.88	NT	NT	NT	NT	NT	NT	Arsenic	RO Plant	Covered
1076	Tarn Taran	Patti	Thakarpura	Thakar pura	1964	0.000	0.000	0.000	0.000	0.010	0.000	0.007	0.000	11.34	2.06	8.69	0.41	46.25	12.34	22.48	Fluoride	Surface Water Project Bhuchar Kalan & RO Plant	Covered
1077	Tarn Taran	Tarn Taran	Daleke	Daleke	1982	0.011	0.001	0.002	BDL	0.024	BDL	BDL	0.244	12.63	NT	NT	NT	NT	NT	NT	Arsenic	RO Plant	Covered
1078	Tarn Taran	Tarn Taran	Daleke	Khara	877	0.011	0.001	0.002	BDL	0.024	BDL	BDL	0.244	12.63	NT	NT	NT	NT	NT	NT	Arsenic	RO Plant	Covered
1079	Tarn Taran	Tarn Taran	Dial Rajputtan	Dial Rajputtan	1364	BDL	BDL	BDL	0.000	0.027	BDL	BDL	0.040	2.62	NT	23.99	NT	NT	60.92	29.16	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1080	Tarn Taran	Tarn Taran	Gill Waraich	Bhaini Mattua n	1124	BDL	BDL	BDL	0.000	0.022	BDL	BDL	BDL	18.57	0.63	10.50	BDL	17.47	13.85	10.21	Arsenic	AIRP	Covered
1081	Tarn Taran	Tarn Taran	Gill Waraich	Gill Waraich	1248	BDL	BDL	BDL	0.000	0.022	BDL	BDL	BDL	18.57	0.63	10.50	BDL	17.47	13.85	10.21	Arsenic	AIRP	Covered
1082	Tarn Taran	Tarn Taran	Kot Dharam Chand Khurd	Kot Dharam Chand Khurd	1852	NT	NT	NT	NT	0.038	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1083	Tarn Taran	Tarn Taran	Maluwal	Maluwal	1488	NT	NT	NT	NT	0.028	NT	NT	0.004	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1084	Tarn Taran	Tarn Taran	Pandori Rehmana	Pandori Rehmana	1194	NT	NT	NT	NT	0.046	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1085	Tarn Taran	Tarn Taran	Pandori Sidhwan	Manna n	3439	BDL	0.001	BDL	0.000	0.020	BDL	BDL	0.005	5.40	0.15	2.47	BDL	25.55	17.11	9.02	Arsenic	AIRP	Covered
1086	Tarn Taran	Tarn Taran	Pandori Sidhwan	Pandori Sidhwan	2272	BDL	0.001	BDL	0.000	0.020	BDL	BDL	0.005	5.40	0.15	2.47	BDL	25.55	17.11	9.02	Arsenic	AIRP	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1087	Tarn Taran	Tarn Taran	Raisiana	Raisiana	1656	BDL	0.001	BDL	0.000	0.018	BDL	BDL	0.018	2.93	0.01	3.98	NT	10.13	16.81	9.11	Arsenic	Not Covered	Under Consideration
1088	Tarn Taran	Tarn Taran	Walipur	Gorkha	665	NT	NT	NT	NT	0.018	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1089	Tarn Taran	Tarn Taran	Walipur	Walipur	1834	NT	NT	NT	NT	0.018	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1090	Tarn Taran	Valtoha	Abadi Havelian Jhar Sahib (Gajjal)	Hawelian Jhar Sahib	221	BDL	BDL	BDL	0.009	0.051	BDL	BDL	0.382	BDL	BDL	37.96	1.03	42.40	NT	NT	Arsenic	Arsenic Removal HP (Niti Aayog)	Covered
1091	Tarn Taran	Valtoha	Asal Ke Uttar	Asal Uttar	4836	NT	NT	NT	NT	0.030	NT	NT	NT	BDL	NT	NT	NT	NT	NT	NT	Arsenic	Surface Water Project Bhuchar Kalan & RO Plant	Covered
1092	Tarn Taran	Valtoha	Bhura Kohana WM	Bhura Kohana	3466	0.002	BDL	0.002	0.000	0.025	0.000	0.002	0.137	5.94	BDL	34.64	BDL	48.87	NT	NT	Arsenic	Surface Water Project Bhuchar Kalan & RO Plant	Covered
1093	Tarn Taran	Valtoha	Cheema Khurd	Amirke	1010	ND	0.009	ND	ND	0.030	ND	ND	0.029	139.8	0.43	NT	7.00	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1094	Tarn Taran	Valtoha	Cheema Khurd	Cheema Khurd	1954	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.81	122.30	17.25	184.97	NT	NT	Fluoride	CWPP- Fluoride & Surface Water Project Bhuchar Kalan	Covered
1095	Tarn Taran	Valtoha	Dibbipra	Ballian Wala	624	BDL	0.001	BDL	0.000	0.024	BDL	BDL	BDL	6.26	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Bhuchar Kalan	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1096	Tarn Taran	Valtoha	Dibipra	Daudpura	285	BDL	0.001	BDL	0.000	0.024	BDL	BDL	BDL	6.26	NT	NT	NT	NT	NT	NT	Arsenic	HH Purifiers & Surface Water Project Bhuchar Kalan	Covered
1097	Tarn Taran	Valtoha	Dibipra	Dibipura	1014	BDL	0.001	BDL	0.000	0.024	BDL	BDL	BDL	6.26	NT	NT	NT	NT	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1098	Tarn Taran	Valtoha	Gajjal WM	Gajjal	1137	NT	NT	NT	NT	0.048	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1099	Tarn Taran	Valtoha	Jhuggian Kalu	Jhuggian Kalu	838	0.001	BDL	0.001	0.000	0.060	0.000	0.002	0.035	0.53	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1100	Tarn Taran	Valtoha	Kalagner	Kalanjar Uttar	1378	0.003	BDL	0.002	0.000	0.037	0.000	0.002	0.109	3.48	BDL	14.47	BDL	31.09	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1101	Tarn Taran	Valtoha	Kotli Vasawa Singh	Sarai Valtoha	235	BDL	0.001	BDL	0.001	0.051	BDL	BDL	0.048	2.06	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1102	Tarn Taran	Valtoha	Machhike	Machhike	1041	BDL	0.001	BDL	0.001	0.031	BDL	BDL	0.003	4.44	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
1103	Tarn Taran	Valtoha	Maneke Jand	Maneke Jand	2408	NT	NT	NT	NT	0.025	NT	NT	BDL	NT	NT	NT	NT	NT	NT	NT	Arsenic	AIRP	Covered
1104	Tarn Taran	Valtoha	Mastgarh	Duhal Nau	176	0.003	BDL	0.002	0.000	0.022	0.000	0.004	0.245	4.91	BDL	22.30	BDL	41.22	NT	NT	Arsenic	HH Purifiers & Surface Water Project Bhuchar Kalan	Covered
1105	Tarn Taran	Valtoha	Mastgarh	Kals	699	0.003	BDL	0.002	0.000	0.022	0.000	0.004	0.245	4.91	BDL	22.30	BDL	41.22	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.

## DWSS-WQ/16/2023-WATER QUALITY UNIT

2834716/2023/WATER QUALITY

Sr No	District	Block	Scheme	Habitat ion	Populati on	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	Par am eter	Mitigation Measure	Mitigation Status
						0.01 mg/l-no relaxation	0.01 mg/l-no relaxation	0.05 mg/l - no relaxation	0.001 mg/l-no relaxation	0.01 mg/l-no relaxation	0.003 mg/l - no relaxation	0.02 mg/l-no relaxation	1.0 mg/l-no relaxation	60µg/l- no relaxation	1.0mg/l - 1.5 mg/	250 mg/l- 1000 mg/l	45 mg/l - No Relaxation	200 mg/l - 400 mg/l	75 mg/l - 200 mg/l	30mg/l - 100 mg/l			
1106	Tarn Taran	Valtoha	Mastgarh	Mastgarh	2017	0.003	BDL	0.002	0.000	0.022	0.000	0.004	0.245	4.91	BDL	22.30	BDL	41.22	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1107	Tarn Taran	Valtoha	Mehmudpur	Abadi Amarkot	1946	0.003	0.003	0.002	0.000	0.019	0.000	0.004	0.584	11.51	BDL	59.21	1.68	29.35	NT	NT	Arsenic	Surface Water Project Bhuchar Kalan & RO Plant	Covered
1108	Tarn Taran	Valtoha	Mehmudpur	Mehmudpura	825	0.003	0.003	0.002	0.000	0.019	0.000	0.004	0.584	11.51	BDL	59.21	1.68	29.35	NT	NT	Arsenic	CWPP (As) & Surface Water Project Bhuchar Kalan	Covered
1109	Tarn Taran	Valtoha	Punian	Punian	1371	NT	NT	NT	NT	0.100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
1110	Tarn Taran	Valtoha	Sankatra	Sankatra	1136	NT	NT	NT	NT	0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Arsenic	Surface Water Project Bhuchar Kalan	Covered
1111	Tarn Taran	Valtoha	Thatha	Thatha	1727	0.003	0.008	0.002	0.000	0.032	0.000	0.007	0.174	21.25	BDL	1.83	BDL	BDL	NT	NT	Arsenic	Surface Water Project Bhuchar Kalan & RO Plant	Covered
1112	Tarn Taran	Valtoha	Varnala	Ram Khara	490	BDL	BDL	BDL	0.001	0.032	BDL	BDL	0.030	1.54	NT	NT	NT	NT	NT	NT	Arsenic	Not Covered	Under Consideration
1113	Tarn Taran	Valtoha	Varnala	Varnala	3930	BDL	BDL	BDL	0.001	0.032	BDL	BDL	0.030	1.54	NT	NT	NT	NT	NT	NT	Arsenic	RO Plant	Covered
1114	Tarn Taran	Valtoha	Wan Tara Singh	Wan Tara Singh	3950	ND	ND	ND	ND	0.010	ND	ND	0.022	34.9	0.80	NT	58.08	NT	NT	NT	Nitrate	RO Plant	Covered

Note: For Uranium, AERB limits have been taken for considering the Water Quality Profile.



**Water Quality Unit**  
**Department of Water Supply & Sanitation, Punjab**