ATAL BHUJAL YOJANA (Atal Jal)

State : Maharashtra

Department : Goundwater Surveys And Development Agency

HYDROGEOLOGICAL REPORT

BLOCK : INDAPUR

DISTRICT : PUNE

YEAR : 2020

Towards partial fulfillment of requirements for Disbursement of Incentive under DLI -1

DATE OF DISCLOSURE: ..25/11/2020.

HYDROGEOLOGICAL REPORT

(YEAR : 2019-20)

STATE	:	MAHARASHTRA
DISTRICT	:	PUNE
BLOCK/TALUK	:	INDAPUR
BLOCK/TALUK HQs	:	INDAPUR

A	**GENERAL INFORMATION**					
1.	Geographical area (Ha)	:	155760.00			
2.	No. of Gram Panchayats	:	142			
3.	No. of towns		01			
4.	No. of villages	:	143			
5.	Population (2011)	:	Male	Female	Total	
			198801	184382	383183	
6	Rainfall (mm)	:	Monsoon	Non-monsoon	Annual	
			824.74	55.03	879.77	
7.	River basin	:	Bhima river, Nira river.			
8.	Major soil types	:	Black soil, sometimes greyish to bluish tinge soil.			

B	**LAND USE**		
1.	Forest area (Ha)	:	7443.70
2.	Cultivable area (Ha)	:	122409.90
3.	Net sown area (Ha)	:	122411.20
4.	Gross cropped area (Ha)	:	

C	**CROPPING PATTERN (As in 2019-20)**					
1.	Major crops grown	:	Kharif	Rabi	Summer	Perennial
			Wheat	Wheat	vegetables	Sugarcane
				Jawar		
				gram		

D	**IRRIGATION FACILITIES (As in 2019-20)**						
1.	Net irrigated area (Ha)	:	61626.60				
2.	Gross irrigated area (Ha)	:					
3.	Area under irrigation (Ha) (Source-wise)	:	DW	BW/TW	Tanks/Ponds	Canals	Others

E	**GEOLOGY & HYDROGEOLOGY**		
1.	Predominant rock type	:	Hard rock
2.	Major geological formations	:	Basalt

3.	Important water-bearing formations	:	Soil, weathered rock, Vesicular /amygdaloidal basalt and fractured & jointed Basalt.
4.	Status of coverage under NAQUIM		Not Covered.

F	GROUND WATER CONDITIONS								
1.	No. of wells used for Water Level (WL) monitoring.	:	**Open wells**			**BW/TW/ PZ**		
			CGWB	SGWD	Total	CGWB	SGWD	Total
			2	20	22			
2.	Monitoring mechanism (Nos.)	:	Manual		DWLR		Telemetry	
			CGWB	SGWD	CGWB	SGWD	CGWB	SGWD
			2	20				
3.	Monitoring frequency	:	Agency	No. of times monitored/year				
			CGWB	4				
			SGWD	4 times / year				
4.	Period of water level data availability.	:	Agency	Period of WL data availability (From - To)				
				From (year)	To (year)			
			CGWB	2015	2019			
			SGWD	2015	2019			
5.	Water level range (m.bgl)	:	Minimum/Village		Maximum/Village			
	Pre-monsoon (April-May 2019)		4.00/Galand		18.30/Nimgaon			
	Post-monsoon (November 2019)		1.90/Varkute		8.9/Sarati			
6.	Seasonal WL fluctuation range (m)	:	Minimum/ Village		Maximum/ Village			
			2/Galand		12.25/Nimgaon			

G	GROUND WATER QUALITY								
1.	No. of wells used for Water Quality (WQ) monitoring.		Open Wells			BW/TW/ PZ		
			CGWB	SGWD	Total	CGWB	SGWD	Total
			2	20	22			
2.	Monitoring frequency		Agency	No. of times monitored/year				
			CGWB	2				
			SGWD	02 times /year				
3.	Period of water quality data availability		Agency	Period of WQ data availability (Years)				
			CGWB					
			SGWD	2008-2013				
4.	Parameters analysed		Agency	Parameters Analysed				
			CGWB	Temperature, pH, EC, TDS, Total Hardness, Alkalinity, Calcium, Chloride, Nitrate, Sulphate, Fluoride, Iron.				
			SGWD	Temperature, pH, EC, TDS, Total Hardness, Alkalinity, Calcium, Chloride, Nitrate, Sulphate, Fluoride, Iron.				
5.	Known ground water quality issues, if any		As per last few years WQ data, groundwater having excess Nitrate, TDS, total hardness issue.					

H.	GROUND WATER RESOURCES					
1.	Latest assessment year		2017			
2.	Assessment Unit		Watershed			
3.	Annual extractable GW resource (ha.m)		29190.30			
4.	Current annual GW extraction (ha.m)		22537.98			
5.	Net GW availability for future use (ha.m)		8064.82			
6.	Stage of GW extraction (%)		77.21			
7.	Category of block/taluk/(2017)		Semi Critical			
8.	Category of block/taluk/ in previous assessments		2013	2011	2009	2004
			Safe	Safe	Safe	Safe

I	WATER-RELATED SCHEMES			
1.	Schemes with a bearing on ground water, being implemented in the block / taluk.			
	Centrally Sponsored /Central Sector Schemes		i)	Atal Solar Schemes
			ii)	MGNREGA
			iii)	PMKSY
			iv)	
	State Schemes		i)	CM-Solar scheme
			ii)	Dr. Babasaheb Ambedkar Krushi Yojana
			iii)	Birsa Munda Yojana
			iv)	

J	GROUND WATER RELATED ISSUES		
1.	Ground water related issues of the block/		
	i) Issues related to GW availability	:	Seasonal water availability of water in wells.
	ii) Issues related to GW quality	:	As per last few years data, groundwater having excess Hardness, TDS.
	iii) Other issues if any.	:	

TABLE-01

BASIC DATA OF WATER LEVEL (WL)/WATER QUALITY (WQ) WELLS LOCATIONS

STATE-MAHARASHTRA, DISTRICT-PUNE, TALUKA-INDAPUR

Sl. No	Well No.	Village Name	Long.	Lat.	Type of well (DW/BW/TW/PZ)	Reduced Level (m.amsl)	Aquifer tapped	Height of measuring point (m.agl)	Depth (m.bgl)	Diameter (m)	Purpose of monitoring (WL / WQ / WL & WQ)	Monitoring mechanism (Manual/ DWLR/ Telemetry)	Agency
1	W180500074474701	Anthurne	74.7964339	18.0798605	DW		VAB	0.9	11.5	3	WL	Manual	SGWD
2	W175800074595802	Bawada	75.0046000	17.9388000	DW		VAB	0	11.7	2.5	WL	Manual	SGWD
3	W181342074463701	Bhadalwadi	74.7740000	18.2290000	DW		VAB	0.6	10.9	2	WL	Manual	SGWD
4	W181837074452101	Bhigvan	74.7533747	18.3066425	DW		VAB	0.7	12.1	2.5	WL	Manual	SGWD
5	W180830074593801	Galand Wadi No.1	74.9957350	18.1458100	DW		VAB	0.5	8.55	1	WL	Manual	SGWD
6	W180432075061001	Hingangaon	75.0911000	18.0794000	DW		VAB	0.2	4.6	5.5	WL	Manual	SGWD
7	W180635075013501	Indapur	75.0291000	18.1133000	DW		VAB	0.5	10.6	8.8	WL	Manual	SGWD
8	W180147074470401	Kalamb	74.7701674	18.0240038	DW		VAB	0.9	15.8	4	WL	Manual	SGWD
9	W180909074553201	Kauthali	74.9075000	18.1494000	DW		VAB	0	9.15	5.5	WL	Manual	SGWD
10	W180711074433201	Kazad	74.7208674	18.1364038	DW		VAB	1.2	10	4	WL	Manual	SGWD
11	W181348074395501	Lamjewadi	74.6641674	18.2403037	DW		VAB	0.2	11.4	2	WL	Manual	SGWD
12	W181213074545601	Loni	74.9144000	18.2045000	DW		VAB	0.2	8.85	2.5	WL	Manual	SGWD
13	W181658074444801	Madanwadi	74.7472000	18.2831000	DW		VAB	0.6	14.4	1	WL	Manual	SGWD
14	W180504074554401	Nimgaon Ketki	74.8987675	18.0765038	DW		VAB	1.2	18.3	5	WL	Manual	SGWD
15	W180017074551502	Reda	74.9173675	18.0016038	DW		VAB	1	8.9	2.5	WL	Manual	SGWD
16	W181035074510001	Rui	74.8484000	18.1720000	DW		VAB	1	6.75	13	WL	Manual	SGWD
17	W175452075002701	Sarati	75.0082000	17.9167000	DW		VAB	0	11	4	WL	Manual	SGWD
18	W181525074411501	Shetphalgadhe	74.6858674	18.2553038	DW		VAB	0.5	12	2	WL	Manual	SGWD
19	W180415074402001	Tawashi	74.6690674	18.0719038	DW		VAB	0	11.4	1	WL	Manual	SGWD
20	W181200074571501	Varkute Bk.	74.9520000	18.2010000	DW		VAB	0.9	8.9	1.3	WL	Manual	SGWD

TABLE-01-Continued

Sl. No	Well No.	Village Name	Long.	Lat.	Type of well (DW/BW/TW/PZ)	Reduced Level (m.amsl)	Aquifer tapped	Height of measuring point (m.agl)	Depth (m.bgl)	Diameter (m)	Purpose of monitoring (WL / WQ / WL & WQ)	Monitoring mechanism (Manual/ DWLR/Telemetry)	Agency
1	W180500074550001	Nimbgaon-Ketke	74.9167	18.0833	DW	538.14	VB		14.5		WL & WQ	Manual	CGWB
2	W181600074460001	Bhadalwadi	74.7667	18.2667	DW	534.12	VB		7.8		WL & WQ	Manual	CGWB

Note: Type of well: **DW** (Dug well); **BW** (Bore well - hard rock); **TW** (Tube well - soft rock); **PZ** (Piezometer)

TABLE-02

WATER LEVEL (WL) DATA OF MONITORING WELLS-SGWD

STATE-MAHARASHTRA, DISTRICT-PUNE, TALUKA-INDAPUR

Sr.No.	Well ID	Well Type	Village	May-15	Oct-15	May-16	Oct-16	May-17	Oct-17	May-18	Oct-18	May-19	Oct-19
1	W180500074474701	DW	Anthurne	4.8		10.7	2.3	5	3.6	9	4.8	5.8	4.7
2	W175800074595802	DW	Bawada	11	8.4	11	3.1	8.4	6	7	10.8	11	8.6
3	W181342074463701	DW	Bhadalwadi		1.2	10.9	0.8	4.6	1.2		5.6	10.9	2
4	W181837074452101	DW	Bhigvan	11.8	6.4	12.1	3	11.6	1.6	12	7.4	12.05	4.5
5	W180830074593801	DW	Galand Wadi No.1	3.6	3.5	4.2	1.1	4	2	3.6	3	4	2
6	W180432075061001	DW	Hingangaon	3.5		4.6	0.9	3.6	1.95	3.8	2.1	4.6	3.1
7	W180635075013501	DW	Indapur	11.7	4.8	10.6	0.7	10	4	8	6.6	10.6	3.2
8	W180147074470401	DW	Kalamb	5.8	4.7	15.8	1.7	9.8	1.8	15.7	4	15.75	3.5
9	W180909074553201	DW	Kauthali	9.15	8	9.15	5	8.3	4	8	8.1	9.1	6.1
10	W180711074433201	DW	Kazad	6.4	5.2	10	1.8	7.3	2.3	6	5.2	7.1	5.2
11	W181348074395501	DW	Lamjewadi	3.7	2.2	11.4	2	12.5	1.1	7.8		11.4	2
12	W181213074545601	DW	Loni	6.2	4.6	6.2	2.8	6.2	2.3	5.9	6.3	8.8	3.4
13	W181658074444801	DW	Madanwadi	5.7	1.9	9.7	0.01	12.7	2.1	12.2	1.2	12.4	0.1
14	W180504074554401	DW	Nimgaon Ketki	18.3	12	18.3	5.2	12.8	4.6	18.3	9.5	18.3	6.4
15	W180017074551502	DW	Reda	4.5	3.4	5.2	0.2	6.4		5.3	6.1	5	4
16	W181035074510001	DW	Rui	2.6	3.7	6.75	3.2	7	1.3	6.5	6.5	6.75	5
17	W175452075002701	DW	Sarati	7.9	7.9	8	0.5		4.8	5.2	4.6	11	8.9
18	W181525074411501	DW	Shetphalgadhe	7.5	2.6	12	2.1	6	2.4	4.8	3.4	12	4.9
19	W180415074402001	DW	Tawashi	5.7	4	10	1.1	5.4	2.2	3.1	2.3	6.1	4.1
20	W181200074571501	DW	Varkute Bk.	5.3	4.6	7.2	0.7	7.1	1.8	7.3		4.9	1.9

TABLE-02-Continued

WATER LEVEL (WL) DATA OF MONITORING WELLS-CGWB

STATE-MAHARASHTRA, DISTRICT-PUNE, TALUKA-INDAPUR

Sr.No.	Well ID	Well Type	Village	May-15	Nov-15	May-16	Nov-16	May-17	Nov-17	May-18	Nov-18	May-19	Nov-19
1	W180500074550001	DW	Nimbgaon-Ketke	11.9	10	13.54	6.62	13.54	5.7	14.5	14.49	14.5	3.68
2	W181600074460001	DW	Bhadalwadi	2.3	0.8		1.1	7.79	5.9	4.2	7.79	7.7	0.55

Note: Type of well: **DW** (Dug well); **BW** (Bore well - hard rock); **TW** (Tube well - soft rock); **PZ** (Piezometer)

TABLE-03- Continued

WATER QUALITY (WQ) DATA OF MONITORING STATIONS-SGWD

STATE-MAHARASHTRA, DISTRICT-PUNE, TALUKA-INDAPUR

Sr. No.	Name of Village	Type of Source	Year	Sample Testing Date	Temp	pH	EC	TDS (mg/L)	Alkalinity (mg/	Chloride (mg	Fluoride (mg	Nitrate (mg/L)	Sulphate (mg/	Total Hardness	Iron (mg/L)	Ca (mg/L)	Mg (mg/L	Remark
1	ANTHURNE	DEEP TUBEWELL	16-17	25.03.2016	27	8	1862	1210	120	211	0.7	27	14	348	0.062	NA	NA	FIT
2	ANTHURNE	OPEN WELL	16-17	25.03.2016	27	8	1223	795	140	110	0.2	44	6	141	BDL	NA	NA	FIT
3	ANTHURNE	DEEP TUBEWELL	16-17	11.11.2016	27	8	2822	1834	240	83	0.9	43	7	482	0.124	NA	NA	FIT
4	ANTHURNE	OPEN WELL	16-17	11.11.2016	27	8	945	614	90	171	0.6	18	6	121	BDL	NA	NA	FIT
5	ANTHURNE	DEEP TUBEWELL	17-18	11.07.2017	27	8	875	569	240	85	0.4	18	6	240	0.198	NA	NA	FIT
6	ANTHURNE	OPEN WELL	17-18	11.07.2017	27	7	841	547	260	100	0.4	18	16	190	0.149	NA	NA	FIT
7	ANTHURNE	BORE WELL WITH I	17-18	20.02.2018	27	7	1253	815	140	151	0.7	19	5	184	BDL	NA	NA	FIT
8	ANTHURNE	HAND PUMP	17-18	20.02.2018	27	8	1409	916	140	167	0.6	25	7	215	BDL	NA	NA	FIT
9	ANTHURNE	PWS	17-18	20.02.2018	27	8	1849	1202	170	135	0.9	38	8	231	BDL	NA	NA	FIT
10	ANTHURNE	BORE WELL WITH I	18-19	29.05.2018	27	8	1520	988	130	87	0.7	31	17	254	BDL	NA	NA	FIT
11	ANTHURNE	HAND PUMP	18-19	29.05.2018	27	8	1309	851	90	71	0.6	9	10	274	BDL	NA	NA	FIT
12	ANTHURNE	BORE WELL WITH I	18-19	29.05.2018	27	8	893	581	100	51	0.7	8	5	329	BDL	NA	NA	FIT
13	ANTHURNE	HAND PUMP	18-19	29.10.2018	27	7	1276	830	130	119	1.2	34	5	270	0.109	NA	NA	FIT
14	ANTHURNE	BORE WELL WITH I	18-19	29.10.2018	27	8	1207	785	120	127	0.8	37	14	243	BDL	NA	NA	FIT
15	ANTHURNE	HAND PUMP	18-19	29.10.2018	27	8	1526	992	130	151	0.6	21	13	313	0.156	NA	NA	FIT
16	ANTHURNE	BORE WELL WITH I	18-19	29.10.2018	27	8	1196	778	80	79	0.5	7	8	227	BDL	NA	NA	FIT
17	ANTHURNE	HAND PUMP	18-19	29.10.2018	27	8	1080	702	80	111	0.3	9	8	172	0.171	NA	NA	FIT
18	ANTHURNE	PWS	18-19	12.11.2018	27	8	1046	680	100	91	0.6	14	7	188	BDL	NA	NA	FIT
19	ANTHURNE	BORE WELL WITH I	18-19	12.11.2018	27	8	1155	751	130	103	0.7	16	3	203	BDL	NA	NA	FIT
20	ANTHURNE	BORE WELL WITH I	19-20	14.05.2019	27	8	1155	750.77	90	64.98	0.63	28.16	12.78	161.7	0.05	NA	NA	FIT
21	ANTHURNE	HAND PUMP	19-20	14.05.2019	27	8	1124	730.77	80	49.98	0.71	15.92	16.42	186.2	0.06	NA	NA	FIT
22	ANTHURNE	BORE WELL WITH I	19-20	14.05.2019	27	8	1143	743.08	115	79.98	0.56	20.21	8.48	191.1	0.09	NA	NA	FIT
23	ANTHURNE	HAND PUMP	19-20	14.05.2019	27	8	1167	758.46	95	104.97	0.74	18.25	7.19	176.4	0.08	NA	NA	FIT
24	ANTHURNE	BORE WELL WITH I	19-20	14.05.2019	27	8	1148	746.15	65	89.97	0.81	24.12	10.15	161.7	0.07	NA	NA	FIT
25	ANTHURNE	BORE WELL WITH I	19-20	20.05.2019	27	8	1079	701.54	100	69.98	0.73	19.15	15.41	161.7	0.05	NA	NA	FIT
26	ANTHURNE	HAND PUMP	19-20	20.05.2019	27	8	1186	770.77	50	89.97	0.77	23.95	21.87	269.5	0.08	NA	NA	FIT
27	ANTHURNE	PWS	19-20	20.05.2019	27	8	1740	1130.8	125	181.94	1.14	33.45	18.87	254.8	0.06	NA	NA	FIT
28	BAWADA	DEEP TUBEWELL	16-17	4.04.2016	27	8	835	543	90	43	0.9	37	10	113	BDL	NA	NA	FIT
29	BAWADA	DEEP TUBEWELL	16-17	30.10.2016	27	8	2022	1314	210	99	0.8	38	16	376	0.074	NA	NA	FIT
30	BAWADA	OPEN WELL	16-17	30.10.2016	27	8	1060	689	90	123	0.6	17	8	180	BDL	NA	NA	FIT
31	BAWADA	DEEP TUBEWELL	17-18	1.09.2017	27	8	1281	833	120	120	0.1	13	3	280	0.133	NA	NA	FIT
32	BAWADA	OPEN WELL	17-18	1.09.2017	27	8	3938	2560	420	100	0.1	18	1	200	0.213	NA	NA	UNFIT
33	BAWADA	OPEN WELL	17-18	1.09.2017	27	8	1015	660	200	120	0.1	12	1	220	0.134	NA	NA	FIT
34	BAWADA	HAND PUMP	18-19	23.06.2018	27	7	1372	892	170	155	0.8	23	17	235	BDL	NA	NA	FIT
35	BAWADA	HAND PUMP	18-19	3.07.2018	27	8	816	531	125	154	0.4	22	10	225	BDL	NA	NA	FIT
36	BAWADA	BORE WELL WITH I	18-19	3.07.2018	27	8	698	454	110	59	0.2	8	18	191	BDL	NA	NA	FIT
37	BAWADA	IN WELL BORE WE	18-19	3.07.2018	27	7	449	292	75	69	0.2	5	14	83	BDL	NA	NA	FIT
38	BAWADA	HAND PUMP	18-19	29.10.2018	27	8	1209	786	110	103	1.2	28	8	137	BDL	NA	NA	FIT
39	BAWADA	BORE WELL WITH I	18-19	29.10.2018	27	8	749	487	210	87	0.7	31	14	131	BDL	NA	NA	FIT
40	BAWADA	IN WELL BORE WE	18-19	29.10.2018	27	8	3118	2027	240	347	0.8	70	17	650	0.082	NA	NA	UNFIT
41	BAWADA	HAND PUMP	19-20	09.01.2020	27	8	540	351	85	59	0.29	8.11	8.51	127	0.08	NA	NA	FIT
42	BAWADA	PWS	19-20	09.01.2020	27	8	1080	702	90	54	0.27	21.03	6.1	328	0.02	NA	NA	FIT
43	BAWADA	BORE WELL WITH I	19-20	09.01.2020	27	8	832.3	541	125	89	0.29	12.48	8.44	225	0.04	NA	NA	FIT
44	BAWADA	IN WELL BORE WE	19-20	09.01.2020	27	8	961.5	625	85	119	0.14	14.21	7.97	269	0.08	NA	NA	FIT
45	BAWADA	HAND PUMP	19-20	18.04.2019	27	8	1015	660	65	89.97	0.51	12.95	14.91	191.1	0.05	NA	NA	FIT
46	BAWADA	BORE WELL WITH I	19-20	18.04.2019	27	8	1498	973.85	85	84.97	1.1	14.83	14.87	303.8	0.04	NA	NA	FIT
47	BHADALWADI	DEEP TUBEWELL	16-17	25.03.2016	27	8	1005	653	240	149	0.3	22	10	192	0.13	NA	NA	FIT
48	BHADALWADI	DEEP TUBEWELL	16-17	25.03.2016	27	8	838	545	180	71	0.9	29	8	262	0.056	NA	NA	FIT
49	BHADALWADI	OPEN WELL	16-17	9.12.2016	27	8	1295	842	220	144	0.8	41	3	338	BDL	NA	NA	FIT
50	BHADALWADI	DEEP TUBEWELL	16-17	9.12.2016	27	7	1969	1280	315	154	0.4	41	6	406	0.085	NA	NA	FIT

51	BHADALWADI	DEEP TUBEWELL	17-18	8.12.2017	27	8	2683	1744	85	279	1.3	35	4	552	0.052	NA	NA	FIT
52	BHADALWADI	OPEN WELL	17-18	8.12.2017	27	8	1104	718	120	60	0.3	38	14	321	BDL	NA	NA	FIT
53	BHADALWADI	HAND PUMP	17-18	14.03.2018	27	8	866	563	70	67	0.7	15	5	215	BDL	NA	NA	FIT
54	BHADALWADI	PWS	17-18	14.03.2018	27	8	1250	813	90	131	0.7	14	13	395	BDL	NA	NA	FIT
55	BHADALWADI	HAND PUMP	18-19	27.08.2018	27	7	926	602	85	59	0.8	19	7	210	0.057	NA	NA	FIT
56	BHADALWADI	PWS	18-19	27.08.2018	27	7	876	570	70	67	0.7	15	5	215	BDL	NA	NA	FIT
57	BHADALWADI	HAND PUMP	18-19	4.12.2018	27	8	663	431	65	49	1.3	21	12	171	BDL	NA	NA	FIT
58	BHADALWADI	PWS	18-19	4.12.2018	27	8	1398	909	100	87	0.8	32	19	160	BDL	NA	NA	FIT
59	BHADALWADI	HAND PUMP	19-20	28.11.2019	27	8	681.5	443	80	49	0.31	12.98	10.14	156	0.06	NA	NA	FIT
60	BHADALWADI	PWS	19-20	05.12.2019	27	8	484.6	315	85	49	0.18	7.44	9.8	147	0.06	NA	NA	FIT
61	BHADALWADI	PWS	19-20	10.04.2019	27	8	1548	1006.2	130	74.98	0.37	19.83	21.44	142.1	0.06	NA	NA	FIT
62	BHIGVAN	DEEP TUBEWELL	16-17	4.04.2016	27	7	1598	1039	120	123	0.8	38	5	297	BDL	NA	NA	FIT
63	BHIGVAN	DEEP TUBEWELL	16-17	17.12.2016	27	8	938	610	170	119	0.6	35	3	256	0.073	NA	NA	FIT
64	BHIGVAN	DEEP TUBEWELL	16-17	17.12.2016	27	8	926	602	120	90	0.9	27	5	220	0.068	NA	NA	FIT
65	BHIGVAN	DEEP TUBEWELL	16-17	4.04.2016	27	8	2222	1444	240	163	1.2	46	14	591	0.109	NA	NA	UNFIT
66	BHIGVAN	DEEP TUBEWELL	17-18	8.12.2017	27	8	840	546	115	95	0.3	21	8	220	0.052	NA	NA	FIT
67	BHIGVAN	DEEP TUBEWELL	17-18	8.12.2017	27	7	2701	1756	190	79	1	7	16	585	0.076	NA	NA	FIT
68	BHIGVAN	OPEN WELL	18-19	2.06.2018	27	8	749	487	130	51	0.6	19	2	164	BDL	NA	NA	FIT
69	BHIGVAN	DEEP TUBEWELL	18-19	2.06.2018	27	8	2598	1689	230	171	1.2	61	16	603	0.203	NA	NA	UNFIT
70	GALAND WADI NO	DEEP TUBEWELL	16-17	4.04.2016	27	8	1546	1005	170	159	0.6	38	13	258	BDL	NA	NA	FIT
71	GALAND WADI NO	OPEN WELL	16-17	10.10.2016	27	8	3097	2013	240	347	1.2	71	16	650	0.209	NA	NA	UNFIT
72	GALAND WADI NO	HAND PUMP	18-19	23.01.2019	27	8	2090	1359	190	147	0.9	42	3	286	BDL	NA	NA	FIT
73	GALAND WADI NO	PWS	18-19	13.02.2019	27	8	1901	1236	190	171	0.8	40	1	482	0.086	NA	NA	FIT
74	HIGANGOAN	DEEP TUBEWELL	16-17	4.04.2016	27	7	1472	957	80	139	0.7	12	13	407	BDL	NA	NA	FIT
75	HIGANGOAN	OPEN WELL	16-17	17.10.2016	27	8	815	530	110	89	0.4	37	20	220	BDL	NA	NA	FIT
76	HIGANGOAN	DEEP TUBEWELL	17-18	12.06.2017	27	8	876	570	170	140	0.4	18	5	260	0.163	NA	NA	FIT
77	HIGANGOAN	OPEN WELL	17-18	12.06.2017	27	8	667	434	90	65	1	16	5	290	0.239	NA	NA	FIT
78	HIGANGOAN	DEEP TUBEWELL	17-18	13.06.2017	27	8	740	481	120	60	0.4	23	8	280	0.223	NA	NA	FIT
79	HIGANGOAN	HAND PUMP	17-18	17.01.2018	27	8	1060	689	180	167	0.7	36	12	172	BDL	NA	NA	FIT
80	HIGANGOAN	IN WELL BORE WEI	17-18	17.01.2018	27	8	1266	823	70	91	0.6	28	9	215	BDL	NA	NA	FIT
81	HIGANGOAN	HAND PUMP	18-19	7.08.2018	27	8	989	643	80	75	0.6	20	5	148	BDL	NA	NA	FIT
82	HIGANGOAN	IN WELL BORE WEI	18-19	7.08.2018	27	7	2943	1913	370	159	1.3	41	17	612	BDL	NA	NA	UNFIT
83	HIGANGOAN	HAND PUMP	18-19	23.01.2019	27	8	2292	1490	130	187	1.3	32	7	399	0.105	NA	NA	FIT
84	HIGANGOAN	IN WELL BORE WEI	18-19	13.02.2019	27	8	1380	897	130	171	1.2	40	23	239	BDL	NA	NA	FIT
85	HIGANGOAN	HAND PUMP	19-20	4.06.2019	27	7	876.9	570	140	140	0.258	30.29	3.58	220	0.034	NA	NA	FIT
86	HIGANGOAN	IN WELL BORE WEI	19-20	4.06.2019	27	8	1295	842	320	180	0.239	27.01	4.25	260	0.244	NA	NA	FIT
87	KALAMB	DEEP TUBEWELL	16-17	11.03.2016	27	8	1697	1103	130	139	0.5	41	19	254	BDL	NA	NA	FIT
88	KALAMB	DEEP TUBEWELL	16-17	11.03.2016	27	8	1592	1035	120	95	0.3	37	20	219	0.108	NA	NA	FIT
89	KALAMB	DEEP TUBEWELL	16-17	11.11.2016	27	8	1209	786	100	111	0.6	30	3	180	BDL	NA	NA	FIT
90	KALAMB	OPEN WELL	16-17	11.11.2016	27	8	1058	688	80	83	0.6	22	12	172	BDL	NA	NA	FIT
91	KALAMB	DEEP TUBEWELL	16-17	11.03.2016	27	7	2240	1456	190	175	1.4	58	8	631	0.154	NA	NA	UNFIT
92	KALAMB	DEEP TUBEWELL	16-17	11.11.2016	27	8	2943	1913	380	159	1.3	31	18	625	BDL	NA	NA	UNFIT
93	KALAMB	DEEP TUBEWELL	17-18	1.08.2017	27	8	723	470	105	130	0.2	35	5	200	0.189	NA	NA	FIT
94	KALAMB	OPEN WELL	17-18	1.08.2017	27	8	1106	719	120	85	0.5	37	8	490	0.233	NA	NA	FIT
95	KALAMB	DEEP TUBEWELL	17-18	1.08.2017	27	8	935	608	130	100	0.6	37	7	210	0.169	NA	NA	FIT
96	KALAMB	HAND PUMP	17-18	20.02.2018	27	8	916	596	240	135	0.6	9	3	184	BDL	NA	NA	FIT
97	KALAMB	HAND PUMP	17-18	20.02.2018	27	7	1669	1085	110	115	0.8	41	7	235	BDL	NA	NA	FIT
98	KALAMB	BORE WELL WITH I	17-18	20.02.2018	27	7	1630	1060	100	107	0.7	26	4	352	BDL	NA	NA	FIT
99	KALAMB	PWS	17-18	20.02.2018	27	8	1953	1270	355	144	0.8	39	10	655	BDL	NA	NA	UNFIT
100	KALAMB	HAND PUMP	17-18	23.03.2018	27	7	861	560	170	79	0.9	36	16	304	0.06	NA	NA	FIT

101	KALAMB	HAND PUMP	18-19	5.11.2018	27	8	995	647	160	123	0.6	17	6	113	BDL	NA	NA	FIT
102	KALAMB	BORE WELL WITH I	18-19	5.11.2018	27	7	1046	680	80	63	0.8	30	6	188	0.12	NA	NA	FIT
103	KALAMB	BORE WELL WITH I	18-19	12.11.2018	27	8	1880	1222	120	211	0.6	28	6	348	BDL	NA	NA	FIT
104	KALAMB	PWS	18-19	12.11.2018	27	7	1735	1128	210	127	0.6	43	14	407	BDL	NA	NA	FIT
105	KALAMB	HAND PUMP	19-20	14.05.2019	27	8	1212	787.69	110	134.96	0.82	15.91	5.22	274.4	0.11	NA	NA	FIT
106	KALAMB	BORE WELL WITH I	19-20	20.05.2019	27	8	1219	792.31	85	124.96	0.67	12.47	10.41	225.4	0.02	NA	NA	FIT
107	KALAMB	HAND PUMP	19-20	20.05.2019	27	8	1380	896.92	70	134.96	0.54	19.41	12.92	230.3	0.01	NA	NA	FIT
108	KALAMB	PWS	19-20	20.05.2019	27	8	1153	749.23	65	114.96	0.55	16.44	11.49	191.1	0.01	NA	NA	FIT
109	KALAMB	BORE WELL WITH I	19-20	4.06.2019	27	8	852.3	554	55	124.96	0.27	42.16	8.86	102.9	0.029	NA	NA	FIT
110	KALAMB	PWS	19-20	4.06.2019	27	7	741.5	482	55	64.98	0.88	21.27	6.68	73.5	0.029	NA	NA	FIT
111	KAUTHALI	DEEP TUBEWELL	16-17	3.01.2017	27	7	1503	977	210	127	0.6	29	17	352	0.072	NA	NA	FIT
112	KAUTHALI	OPEN WELL	16-17	3.01.2017	27	8	1711	1112	180	123	1	37	12	309	0.084	NA	NA	FIT
113	KAUTHALI	DEEP TUBEWELL	16-17	3.01.2017	27	8	2631	1710	250	223	0.7	68	9	650	0.287	NA	NA	UNFIT
114	KAUTHALI	HAND PUMP	17-18	20.03.2018	27	8	1883	1224	140	91	0.7	42	19	231	0.072	NA	NA	FIT
115	KAUTHALI	BORE WELL WITH I	17-18	20.03.2018	27	8	1050	683	180	167	0.7	36	12	172	BDL	NA	NA	FIT
116	KAUTHALI	PWS	17-18	20.03.2018	27	8	672	437	80	47	0.6	14	11	196	BDL	NA	NA	FIT
117	KAUTHALI	HAND PUMP	18-19	3.07.2018	27	8	1469	955	320	259	0.3	38	14	321	BDL	NA	NA	FIT
118	KAUTHALI	HAND PUMP	18-19	3.07.2018	27	8	1775	1154	130	319	1.4	41	11	225	0.05	NA	NA	FIT
119	KAUTHALI	HAND PUMP	18-19	3.07.2018	27	8	2530	1645	220	459	1.4	11	8	360	0.05	NA	NA	FIT
120	KAUTHALI	HAND PUMP	18-19	3.07.2018	27	8	1570	1021	350	99	0.9	37	13	384	BDL	NA	NA	FIT
121	KAUTHALI	HAND PUMP	18-19	18.12.2018	27	8	1516	986	140	171	0.6	36	3	207	0.055	NA	NA	FIT
122	KAUTHALI	BORE WELL WITH I	18-19	18.12.2018	27	8	1429	929	120	103	0.8	27	3	219	0.064	NA	NA	FIT
123	KAUTHALI	PWS	18-19	18.12.2018	27	8	3158	2053	410	99	0.7	53	7	631	0.052	NA	NA	UNFIT
124	KAZAD	DEEP TUBEWELL	16-17	31.03.2016	27	7	1008	655	100	51	1.3	42	6	320	0.052	NA	NA	FIT
125	KAZAD	OPEN WELL	16-17	31.03.2016	27	7	2526	1642	220	167	1.3	23	16	285	BDL	NA	NA	FIT
126	KAZAD	DEEP TUBEWELL	16-17	3.12.2016	27	8	952	619	80	63	0.6	9	19	164	BDL	NA	NA	FIT
127	KAZAD	OPEN WELL	16-17	3.12.2016	27	8	1103	717	100	47	0.6	13	7	223	BDL	NA	NA	FIT
128	KAZAD	DEEP TUBEWELL	17-18	8.12.2017	27	8	621	404	115	124	0.5	10	13	156	BDL	NA	NA	FIT
129	KAZAD	HAND PUMP	17-18	14.02.2018	27	8	1049	682	160	51	0.5	19	11	243	BDL	NA	NA	FIT
130	KAZAD	PWS	17-18	14.02.2018	27	8	1407	915	100	87	0.6	32	3	160	BDL	NA	NA	FIT
131	KAZAD	HAND PUMP	18-19	5.06.2018	27	7	1521	989	130	95	0.6	31	19	215	BDL	NA	NA	FIT
132	KAZAD	PWS	18-19	5.06.2018	27	8	916	596	240	135	0.6	9	3	184	BDL	NA	NA	FIT
133	KAZAD	HAND PUMP	18-19	8.01.2019	27	8	1446	940	90	89	0.8	42	6	380	BDL	NA	NA	FIT
134	KAZAD	HAND PUMP	19-20	21.01.2020	27	8	856.9	557	105	49	0.19	8.18	6.09	215	0.05	NA	NA	FIT
135	KAZAD	PWS	19-20	21.01.2020	27	8	1183	769	100	49	0.42	15.43	8.08	235	0.06	NA	NA	FIT
136	KAZAD	HAND PUMP	19-20	4.06.2019	27	7	1498	974	260	240	0.358	16.18	11.32	220	0.148	NA	NA	FIT
137	KAZAD	PWS	19-20	4.06.2019	27	8	4754	3090	405	543.47	1.04	14.51	7.77	810	0.247	NA	NA	UNFIT
138	LONI	DEEP TUBEWELL	16-17	25.03.2016	27	8	738	480	70	47	0.6	24	8	137	BDL	NA	NA	FIT
139	LONI	DEEP TUBEWELL	16-17	25.03.2016	27	8	1742	1132	140	129	1.4	15	5	195	BDL	NA	NA	FIT
140	LONI	OPEN WELL	16-17	10.10.2016	27	8	1923	1250	120	99	0.8	33	5	219	0.068	NA	NA	FIT
141	LONI	DEEP TUBEWELL	16-17	10.10.2016	27	7	1929	1254	180	159	0.7	42	5	380	0.092	NA	NA	FIT
142	LONI	DEEP TUBEWELL	17-18	15.05.2017	27	8	892	580	137	110	0.6	37	9	220	0.183	NA	NA	FIT
143	LONI	OPEN WELL	17-18	16.05.2017	27	7	1060	689	163	90	BDL	43	2	240	0.079	NA	NA	FIT
144	LONI	HAND PUMP	17-18	16.01.2018	27	8	1203	782	140	147	0.9	35	7	282	BDL	NA	NA	FIT
145	LONI	PWS	17-18	16.01.2018	27	7	1509	981	270	151	0.6	37	8	337	BDL	NA	NA	FIT
146	LONI	HAND PUMP	18-19	13.08.2018	27	7	1126	732	110	95	0.7	14	10	235	BDL	NA	NA	FIT
147	LONI	PWS	18-19	13.08.2018	27	8	893	581	100	51	0.7	8	5	329	BDL	NA	NA	FIT
148	LONI	HAND PUMP	18-19	23.01.2019	27	8	1436	934	90	204	0.5	39	13	328	0.068	NA	NA	FIT
149	LONI	PWS	18-19	23.01.2019	27	8	1929	1254	230	151	0.9	32	16	160	BDL	NA	NA	FIT
150	LONI	HAND PUMP	19-20	28.11.2019	27	8	1486	966	75	99	0.23	13.14	8.17	254	0.07	NA	NA	FIT

151	LONI	PWS	19-20	28.11.2019	27	8	1157	752	125	134	0.18	8.17	7.51	205	0.07	NA	NA	FIT
152	LONI	HAND PUMP	19-20	4.06.2019	27	8	1115	725	150	85	0.389	40.58	14.29	365	0.079	NA	NA	FIT
153	LONI	PWS	19-20	4.06.2019	27	7	1517	986	180	120	0.411	22.14	12.4	360	0.141	NA	NA	FIT
154	MADANWADI	DEEP TUBEWELL	16-17	25.03.2016	27	7	1451	943	130	151	0.6	39	3	321	BDL	NA	NA	FIT
155	MADANWADI	OPEN WELL	16-17	17.12.2016	27	8	958	623	60	129	0.7	34	3	280	BDL	NA	NA	FIT
156	MADANWADI	DEEP TUBEWELL	16-17	17.12.2016	27	8	912	593	140	139	1.4	43	18	190	BDL	NA	NA	FIT
157	MADANWADI	DEEP TUBEWELL	17-18	8.12.2017	27	8	820	533	180	71	0.9	30	8	215	0.056	NA	NA	FIT
158	MADANWADI	OPEN WELL	17-18	8.12.2017	27	7	1158	753	195	67	0.7	42	10	176	BDL	NA	NA	FIT
159	MADANWADI	PWS	17-18	14.03.2018	27	8	1096	713	80	83	0.5	21	12	172	BDL	NA	NA	FIT
160	MADANWADI	PWS	18-19	27.08.2018	27	7	1929	1254	200	59	1.4	41	4	415	BDL	NA	NA	FIT
161	MADANWADI	PWS	18-19	4.12.2018	27	8	804	523	110	63	0.5	17	14	278	BDL	NA	NA	FIT
162	MADANWADI	PWS	19-20	05.12.2019	27	8	929.2	604	120	54	0.2	13.22	14.13	215	0.04	NA	NA	FIT
163	MADANWADI	PWS	19-20	10.04.2019	27	8	1193	775.38	85	79.98	0.36	12.55	19.41	186.2	0.08	NA	NA	FIT
164	NIMGAON KETKI	DEEP TUBEWELL	16-17	3.01.2017	27	8	1509	981	110	99	1.4	43	16	215	0.102	NA	NA	FIT
165	NIMGAON KETKI	DEEP TUBEWELL	16-17	3.01.2017	27	7	1062	690	110	67	0.4	15	5	192	0.078	NA	NA	FIT
166	NIMGAON KETKI	DEEP TUBEWELL	17-18	16.01.2018	27	8	643	418	100	103	0.6	16	19	148	BDL	NA	NA	FIT
167	NIMGAON KETKI	OPEN WELL	17-18	16.01.2018	27	7	1840	1196	225	189	1.4	54	25	607	BDL	NA	NA	UNFIT
168	NIMGAON KETKI	PWS	19-20	09.01.2020	27	8	569.2	370	70	59	0.25	9.21	4.8	147	0.04	NA	NA	FIT
169	NIMGAON KETKI	HAND PUMP	19-20	09.01.2020	27	8	700	455	105	84	0.21	10.05	8.91	230	0.05	NA	NA	FIT
170	REDA	DEEP TUBEWELL	16-17	22.11.2016	27	8	1342	872	210	139	0.7	41	8	123	0.056	NA	NA	FIT
171	REDA	DEEP TUBEWELL	16-17	4.04.2016	27	8	2692	1750	360	163	1.3	92	14	686	0.171	NA	NA	UNFIT
172	REDA	DEEP TUBEWELL	16-17	22.11.2016	27	8	2509	1631	320	231	1.2	71	20	623	0.106	NA	NA	UNFIT
173	REDA	DEEP TUBEWELL	17-18	11.09.2017	27	7	1375	894	380	200	0.4	35	10	260	0.144	NA	NA	FIT
174	REDA	DEEP TUBEWELL	17-18	16.06.2017	27	7	909	591	130	49	0.9	2	4	224	0.054	NA	NA	FIT
175	REDA	HAND PUMP	17-18	26.02.2018	27	8	1587	1032	90	55	0.7	30	8	184	BDL	NA	NA	FIT
176	REDA	PWS	17-18	26.02.2018	27	7	583	379	150	79	0.7	6	8	137	BDL	NA	NA	FIT
177	REDA	HAND PUMP	18-19	1.07.2018	27	8	1735	1128	594	96	0.9	38	13	384	0.223	NA	NA	FIT
178	REDA	PWS	18-19	1.07.2018	27	7	1050	683	138	197	0.6	11	16	168	0.104	NA	NA	FIT
179	REDA	HAND PUMP	18-19	18.12.2018	27	8	903	587	110	63	0.7	28	13	168	BDL	NA	NA	FIT
180	REDA	PWS	18-19	18.12.2018	27	8	1218	792	210	139	0.9	42	13	235	BDL	NA	NA	FIT
181	REDA	HAND PUMP	19-20	03.01.2020	27	8	969.2	630	115	59	0.26	16.76	9.34	303	0.12	NA	NA	FIT
182	REDA	PWS	19-20	28.05.2019	27	8	890.8	579	140	95	0.413	48.78	17.31	190	0.214	NA	NA	UNFIT
183	REDA	HAND PUMP	19-20	28.05.2019	27	8	935.4	608	130	100	0.582	37.68	7.74	210	0.169	NA	NA	FIT
184	RUI	OPEN WELL	16-17	4.04.2016	27	8	1517	986	140	171	0.7	36	6	207	BDL	NA	NA	FIT
185	RUI	DEEP TUBEWELL	16-17	4.04.2016	27	8	1338	870	70	91	0.6	26	7	254	BDL	NA	NA	FIT
186	RUI	OPEN WELL	16-17	3.12.2016	27	8	637	414	55	64	0.6	30	14	235	BDL	NA	NA	FIT
187	RUI	DEEP TUBEWELL	16-17	3.12.2016	27	8	1117	726	140	89	0.9	30	1	249	BDL	NA	NA	FIT
188	RUI	DEEP TUBEWELL	16-17	4.04.2016	27	8	1280	832	90	99	0.6	49	8	282	0.101	NA	NA	UNFIT
189	RUI	DEEP TUBEWELL	16-17	3.12.2016	27	8	2323	1510	250	243	1.4	78	12	615	0.205	NA	NA	UNFIT
190	RUI	DEEP TUBEWELL	17-18	8.12.2017	27	8	833	542	120	49	0.7	5	13	88	BDL	NA	NA	FIT
191	RUI	OPEN WELL	17-18	8.12.2017	27	8	858	558	155	49	0.5	11	8	93	BDL	NA	NA	FIT
192	RUI	HAND PUMP	17-18	23.01.2018	27	8	1053	685	125	119	0.8	31	7	372	0.052	NA	NA	FIT
193	RUI	HAND PUMP	17-18	23.01.2018	27	8	1156	752	180	123	0.8	39	10	156	BDL	NA	NA	FIT
194	RUI	PWS	17-18	23.01.2018	27	8	1849	1202	200	131	0.8	42	9	235	BDL	NA	NA	FIT
195	RUI	BORE WELL WITH I	17-18	23.01.2018	27	7	778	506	120	95	0.6	9	8	231	BDL	NA	NA	FIT
196	RUI	HAND PUMP	18-19	2.06.2018	27	8	749	487	80	67	0.6	5	7	231	BDL	NA	NA	FIT
197	RUI	PWS	18-19	2.06.2018	27	7	1556	1012	190	131	0.8	19	7	235	BDL	NA	NA	FIT
198	RUI	PWS	18-19	2.06.2018	27	8	1515	985	170	139	0.8	15	8	215	BDL	NA	NA	FIT
199	RUI	BORE WELL WITH I	18-19	2.06.2018	27	8	1350	878	130	135	0.7	17	10	231	BDL	NA	NA	FIT
200	RUI	PWS	18-19	2.06.2018	27	8	1727	1123	120	219	0.7	28	5	219	BDL	NA	NA	FIT

201	RUI	HAND PUMP	18-19	12.11.2018	27	8	1369	890	80	87	0.6	42	8	168	0.098	NA	NA	FIT
202	RUI	HAND PUMP	18-19	12.11.2018	27	8	1341	872	140	195	0.7	37	2	164	BDL	NA	NA	FIT
203	RUI	HAND PUMP	18-19	12.11.2018	27	8	1923	1250	80	67	0.6	33	2	176	0.093	NA	NA	FIT
204	RUI	HAND PUMP	18-19	12.11.2018	27	8	1901	1236	190	171	0.6	41	5	482	0.201	NA	NA	FIT
205	RUI	HAND PUMP	18-19	12.11.2018	27	8	1161	755	185	79	0.7	22	15	225	BDL	NA	NA	FIT
206	RUI	HAND PUMP	18-19	12.11.2018	27	8	1543	1003	305	154	0.6	35	12	421	0.06	NA	NA	FIT
207	RUI	HAND PUMP	18-19	12.11.2018	27	8	787	512	110	69	0.6	27	7	274	BDL	NA	NA	FIT
208	RUI	HAND PUMP	18-19	12.11.2018	27	8	1420	923	245	184	0.6	35	5	411	0.065	NA	NA	FIT
209	RUI	HAND PUMP	18-19	12.11.2018	27	7	1295	842	220	144	0.6	41	13	338	BDL	NA	NA	FIT
210	RUI	HAND PUMP	18-19	12.11.2018	27	8	1300	845	145	109	0.6	28	3	264	BDL	NA	NA	FIT
211	RUI	HAND PUMP	18-19	12.11.2018	27	8	687	447	55	49	0.6	20	16	215	BDL	NA	NA	FIT
212	RUI	HAND PUMP	18-19	12.11.2018	27	8	1753	1140	235	139	0.7	20	7	254	BDL	NA	NA	FIT
213	RUI	HAND PUMP	18-19	12.11.2018	27	7	338	220	85	74	0.6	8	6	78	BDL	NA	NA	FIT
214	RUI	HAND PUMP	18-19	12.11.2018	27	8	815	530	125	154	0.5	22	13	225	BDL	NA	NA	FIT
215	RUI	PWS	18-19	12.11.2018	27	8	320	208	75	64	1.3	4	3	88	0.105	NA	NA	FIT
216	RUI	PWS	18-19	12.11.2018	27	8	361	235	100	54	0.6	5	7	93	0.086	NA	NA	FIT
217	RUI	BORE WELL WITH I	18-19	12.11.2018	27	8	1295	842	55	234	0.7	5	5	328	BDL	NA	NA	FIT
218	RUI	PWS	18-19	12.11.2018	27	8	1012	658	120	99	1	17	5	230	BDL	NA	NA	FIT
219	RUI	PWS	18-19	12.11.2018	27	8	1086	706	80	75	0.6	39	19	192	BDL	NA	NA	FIT
220	RUI	HAND PUMP	19-20	05.12.2019	27	8	673.8	438	140	89	0.59	21.91	11.35	215	0.08	NA	NA	FIT
221	RUI	PWS	19-20	05.12.2019	27	8	953.8	620	130	69	0.35	15.46	9.4	235	0.04	NA	NA	FIT
222	RUI	HAND PUMP	19-20	05.12.2019	27	8	1214	789	145	84	0.41	14.42	10.27	352	0.05	NA	NA	FIT
223	RUI	HAND PUMP	19-20	03.01.2020	27	8	912.3	593	115	59	0.23	8.12	8.01	210	0.03	NA	NA	FIT
224	RUI	PWS	19-20	03.01.2020	27	8	1006	654	100	54	0.14	8.43	5.12	230	0.04	NA	NA	FIT
225	RUI	BORE WELL WITH I	19-20	03.01.2020	27	8	755.4	491	95	49	0.29	7.98	5.67	205	0.09	NA	NA	FIT
226	RUI	HAND PUMP	19-20	5.04.2019	27	8	1008	655.38	90	129.96	0.31	21.15	8.48	215.6	0.04	NA	NA	FIT
227	RUI	PWS	19-20	5.04.2019	27	8	989.3	643.08	85	74.98	0.47	19.05	14.15	323.4	0.06	NA	NA	FIT
228	SARATI	DEEP TUBEWELL	16-17	25.03.2016	27	7	2474	1608	260	147	0.1	4	7	148	BDL	NA	NA	FIT
229	SARATI	OPEN WELL	16-17	22.10.2016	27	8	1880	1222	130	131	0.8	27	13	231	BDL	NA	NA	FIT
230	SARATI	DEEP TUBEWELL	17-18	22.06.2017	27	8	643	418	130	80	0.2	36	3	140	0.193	NA	NA	FIT
231	SARATI	OPEN WELL	17-18	22.06.2017	27	8	1104	718	250	70	0.4	5	24	160	0.183	NA	NA	FIT
232	SARATI	HAND PUMP	17-18	8.03.2018	27	8	1438	935	150	119	0.7	9	4	145	BDL	NA	NA	FIT
233	SARATI	BORE WELL WITH I	17-18	8.03.2018	27	8	2120	1378	190	469	1.1	10	4	184	BDL	NA	NA	FIT
234	SARATI	HAND PUMP	18-19	3.07.2018	27	8	3096	2013	270	207	0.8	62	7	631	0.108	NA	NA	UNFIT
235	SARATI	PWS	18-19	3.07.2018	27	7	823	535	100	99	0.4	14	5	137	BDL	NA	NA	FIT
236	SARATI	BORE WELL WITH I	18-19	3.07.2018	27	8	1600	1040	220	134	0.9	41	7	367	0.088	NA	NA	FIT
237	SARATI	BORE WELL WITH I	19-20	09.01.2020	27	8	904.6	588	135	89	0.12	12.14	8.06	230	0.03	NA	NA	FIT
238	SARATI	HAND PUMP	19-20	20.04.2019	27	9	2052	1333.8	95	109.97	0.74	57.55	18.31	394.88	0.06	NA	NA	UNFIT
239	SARATI	BORE WELL WITH I	19-20	2.05.2019	27	8	1172	761.54	90	89.97	0.41	11.17	5.42	176.4	0.13	NA	NA	FIT
240	SARATI	HAND PUMP	19-20	2.05.2019	27	8	1001	650.77	60	59.98	0.42	7.53	8.13	181.3	0.09	NA	NA	FIT
241	LAMJEWADI	DEEP TUBEWELL	16-17	25.03.2016	27	8	922	599	103	99	0.8	40	6	194	BDL	NA	NA	FIT
242	LAMJEWADI	OPEN WELL	16-17	9.12.2016	27	8	1698	1104	225	159	0.7	15	8	441	BDL	NA	NA	FIT
243	SHETPHAL GADH	DEEP TUBEWELL	16-17	9.12.2016	27	8	511	332	55	74	0.2	6	10	112	BDL	NA	NA	FIT
244	LAMJEWADI	DEEP TUBEWELL	17-18	8.12.2017	27	7	1026	667	200	69	0.5	24	7	352	0.065	NA	NA	FIT
245	LAMJEWADI	HAND PUMP	17-18	14.03.2018	27	7	1212	788	130	135	0.6	31	6	172	BDL	NA	NA	FIT
246	LAMJEWADI	DEEP TUBEWELL	18-19	2.06.2018	27	8	1467	954	80	139	0.7	12	13	407	BDL	NA	NA	FIT
247	LAMJEWADI	HAND PUMP	18-19	4.12.2018	27	8	1121	729	145	134	1.4	41	20	161	BDL	NA	NA	FIT
248	LAMJEWADI	HAND PUMP	19-20	28.11.2019	27	8	892.3	580	225	94	0.18	10.87	9.94	205	0.07	NA	NA	FIT
249	LAMJEWADI	PWS	19-20	05.12.2019	27	8	872.3	567	55	49	0.42	12.41	7.58	181	0.04	NA	NA	FIT
250	LAMJEWADI	HAND PUMP	19-20	10.04.2019	27	8	991.7	644.62	95	78.98	0.57	6.21	9.18	132.3	0.01	NA	NA	FIT

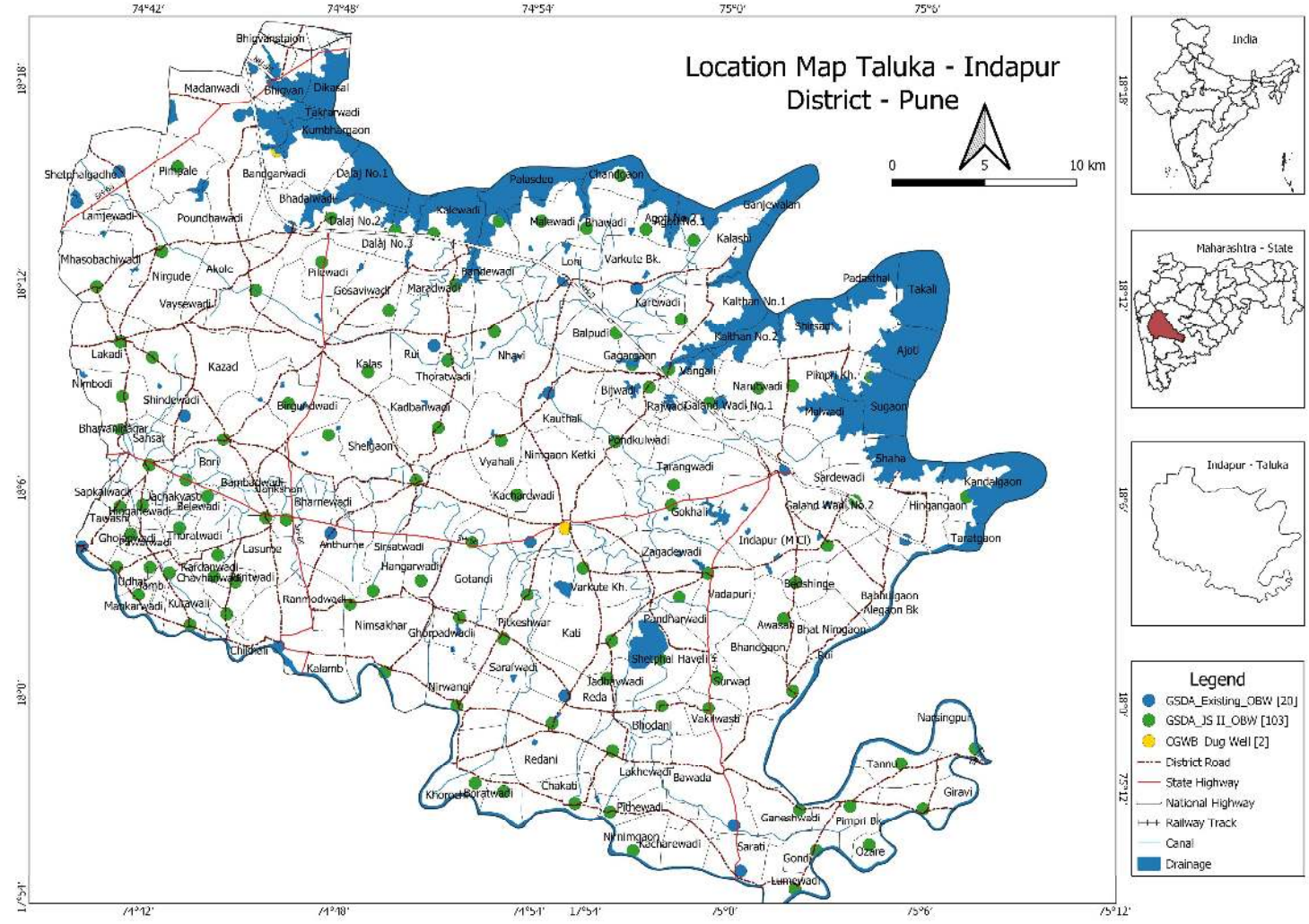
251	LAMJEWADI	PWS	19-20	10.04.2019	27	8	1233	801.54	105	69.98	0.65	13.88	10.56	191.1	0.05	NA	NA	FIT
252	TAWASHI	DEEP TUBEWELL	16-17	31.03.2016	27	8	1288	837	370	99	0.6	18	8	305	BDL	NA	NA	FIT
253	TAWASHI	DEEP TUBEWELL	16-17	3.12.2016	27	8	1322	859	95	64	1	35	12	15	BDL	NA	NA	FIT
254	TAWASHI	DEEP TUBEWELL	17-18	8.12.2017	27	8	449	292	75	69	0.2	5	14	83	BDL	NA	NA	FIT
255	TAWASHI	OPEN WELL	17-18	8.12.2017	27	8	463	301	65	74	0.2	6	10	112	BDL	NA	NA	FIT
256	TAWASHI	HAND PUMP	17-18	7.02.2018	27	8	1598	1039	120	123	0.8	39	12	297	BDL	NA	NA	FIT
257	TAWASHI	BORE WELL WITH I	17-18	7.02.2018	27	8	1329	864	90	111	0.9	41	3	286	0.092	NA	NA	FIT
258	TAWASHI	PWS	17-18	14.02.2018	27	8	1290	839	70	119	1	34	14	203	BDL	NA	NA	FIT
259	TAWASHI	HAND PUMP	18-19	5.06.2018	27	8	749	487	130	67	0.7	21	8	246	BDL	NA	NA	FIT
260	TAWASHI	BORE WELL WITH I	18-19	5.06.2018	27	8	1244	809	80	219	0.7	37	19	117	BDL	NA	NA	FIT
261	TAWASHI	PWS	18-19	5.06.2018	27	8	1503	977	150	95	0.6	9	8	239	BDL	NA	NA	FIT
262	TAWASHI	HAND PUMP	18-19	8.01.2019	27	8	2663	1731	190	79	0.7	7	5	585	0.05	NA	NA	FIT
263	TAWASHI	BORE WELL WITH I	18-19	8.01.2019	27	8	2083	1354	150	309	0.6	43	6	319	0.05	NA	NA	FIT
264	TAWASHI	PWS	18-19	8.01.2019	27	7	2416	1571	250	219	0.6	20	5	514	0.076	NA	NA	FIT
265	TAWASHI	HAND PUMP	19-20	21.01.2020	27	8	1366	888	155	119	0.63	12.17	16.92	240	0.07	NA	NA	FIT
266	TAWASHI	HAND PUMP	19-20	4.06.2019	27	8	632.3	411	175	64.98	0.74	27.34	3.35	78.4	0.073	NA	NA	FIT
267	TAWASHI	BORE WELL WITH I	19-20	4.06.2019	27	8	629.2	409	65	134.96	0.87	36.81	11.36	107.8	0.042	NA	NA	FIT
268	VARKUTE BK.	DEEP TUBEWELL	16-17	10.10.2016	27	8	674	438	80	67	1.3	7	6	164	BDL	NA	NA	FIT
269	VARKUTE BK.	OPEN WELL	16-17	10.10.2016	27	8	1262	820	120	99	0.9	20	16	227	BDL	NA	NA	FIT
270	VARKUTE BK.	DEEP TUBEWELL	17-18	20.05.2017	27	8	1418	922	240	240	0.3	28	10	200	0.144	NA	NA	FIT
271	VARKUTE BK.	OPEN WELL	17-18	20.05.2017	27	8	892	580	190	80	0.3	40	9	280	0.144	NA	NA	FIT
272	VARKUTE BK.	DEEP TUBEWELL	17-18	22.05.2017	27	8	1146	745	300	120	0.5	18	10	320	0.231	NA	NA	FIT
273	VARKUTE BK.	DEEP TUBEWELL	17-18	23.05.2017	27	8	1832	1191	260	140	0.4	31	7	460	0.148	NA	NA	FIT
274	VARKUTE BK.	HAND PUMP	17-18	16.01.2018	27	8	1558	1013	210	155	0.6	39	13	172	BDL	NA	NA	FIT
275	VARKUTE BK.	BORE WELL WITH I	17-18	16.01.2018	27	8	1530	995	145	139	0.7	71	9	402	BDL	NA	NA	UNFIT
276	VARKUTE BK.	PWS	17-18	16.01.2018	27	8	944	614	90	171	0.6	18	10	121	BDL	NA	NA	FIT
277	VARKUTE BK.	HAND PUMP	17-18	17.01.2018	27	8	1089	708	190	127	0.9	31	16	399	BDL	NA	NA	FIT
278	VARKUTE BK.	HAND PUMP	18-19	27.08.2018	27	8	1338	870	170	131	0.6	23	7	392	BDL	NA	NA	FIT
279	VARKUTE BK.	PWS	18-19	27.08.2018	27	7	2101	1366	160	239	1.2	96	4	641	BDL	NA	NA	UNFIT
280	VARKUTE BK.	HAND PUMP	18-19	23.01.2019	27	8	935	608	110	114	0.9	32	5	151	BDL	NA	NA	FIT
281	VARKUTE BK.	PWS	18-19	13.02.2019	27	8	1341	872	140	195	1.5	33	16	164	0.105	NA	NA	FIT
282	VARKUTE BK.	BORE WELL WITH I	18-19	13.02.2019	27	8	1923	1250	80	67	0.6	31	16	176	0.083	NA	NA	FIT
283	VARKUTE BK.	HAND PUMP	19-20	28.11.2019	27	8	338.5	220	75	64	0.18	7.11	6.44	107	0.08	NA	NA	FIT
284	VARKUTE BK.	PWS	19-20	28.11.2019	27	8	361.5	235	55	49	0.16	3.85	2.33	142	0.06	NA	NA	FIT
285	VARKUTE BK.	BORE WELL WITH I	19-20	28.11.2019	27	8	386.2	251	55	49	0.12	4.46	3.02	122	0.07	NA	NA	FIT
286	VARKUTE BK.	HAND PUMP	19-20	4.06.2019	27	8	1009	656	80	90	0.658	23.76	12.78	400	0.028	NA	NA	FIT
287	VARKUTE BK.	PWS	19-20	4.06.2019	27	8	1517	986	120	110	0.782	13.21	3.54	520	0.218	NA	NA	FIT
288	VARKUTE BK.	BORE WELL WITH I	19-20	4.06.2019	27	8	1206	784	140	95	0.17	42.78	7.25	280	0.144	NA	NA	FIT

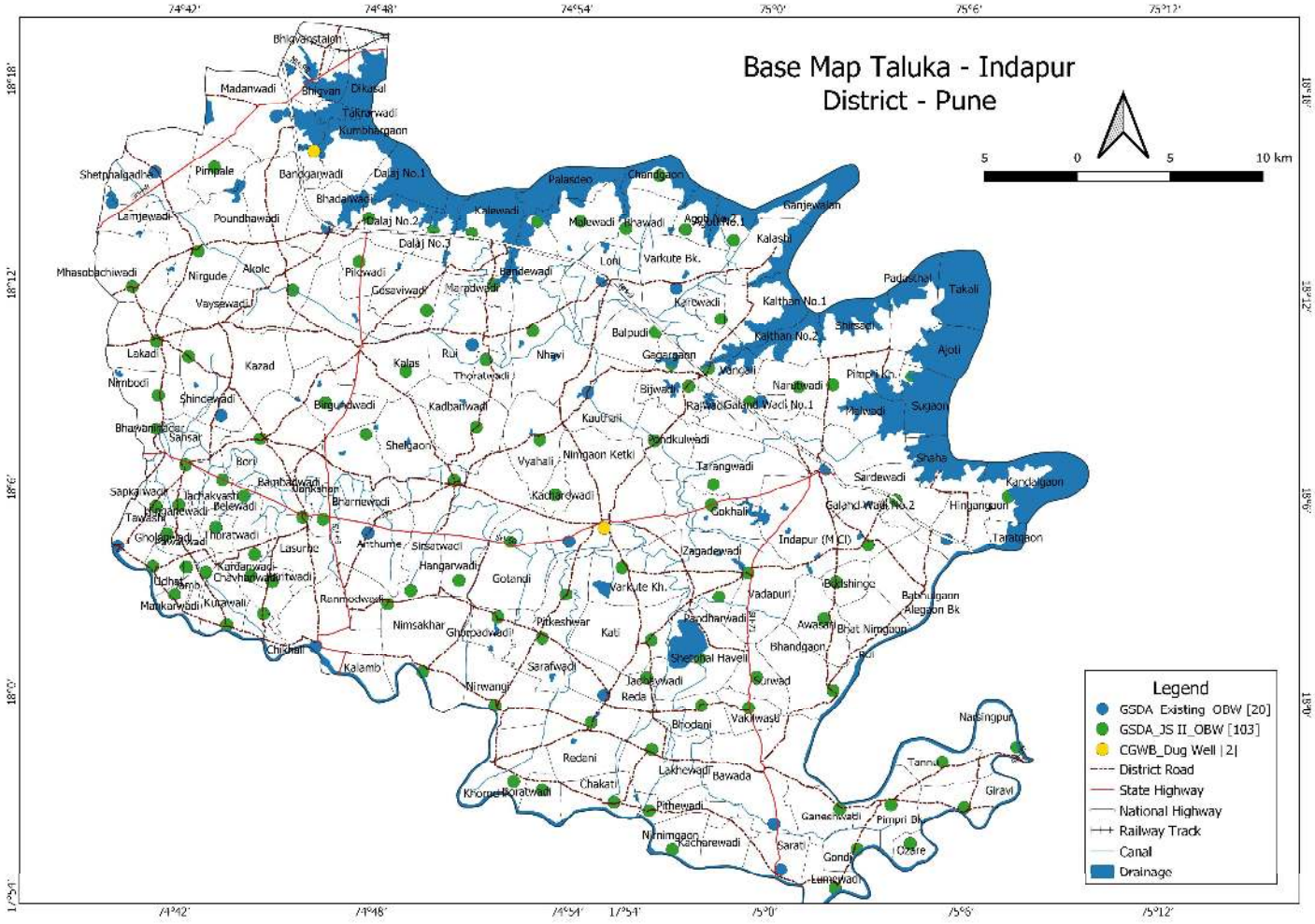
TABLE-03- Continued

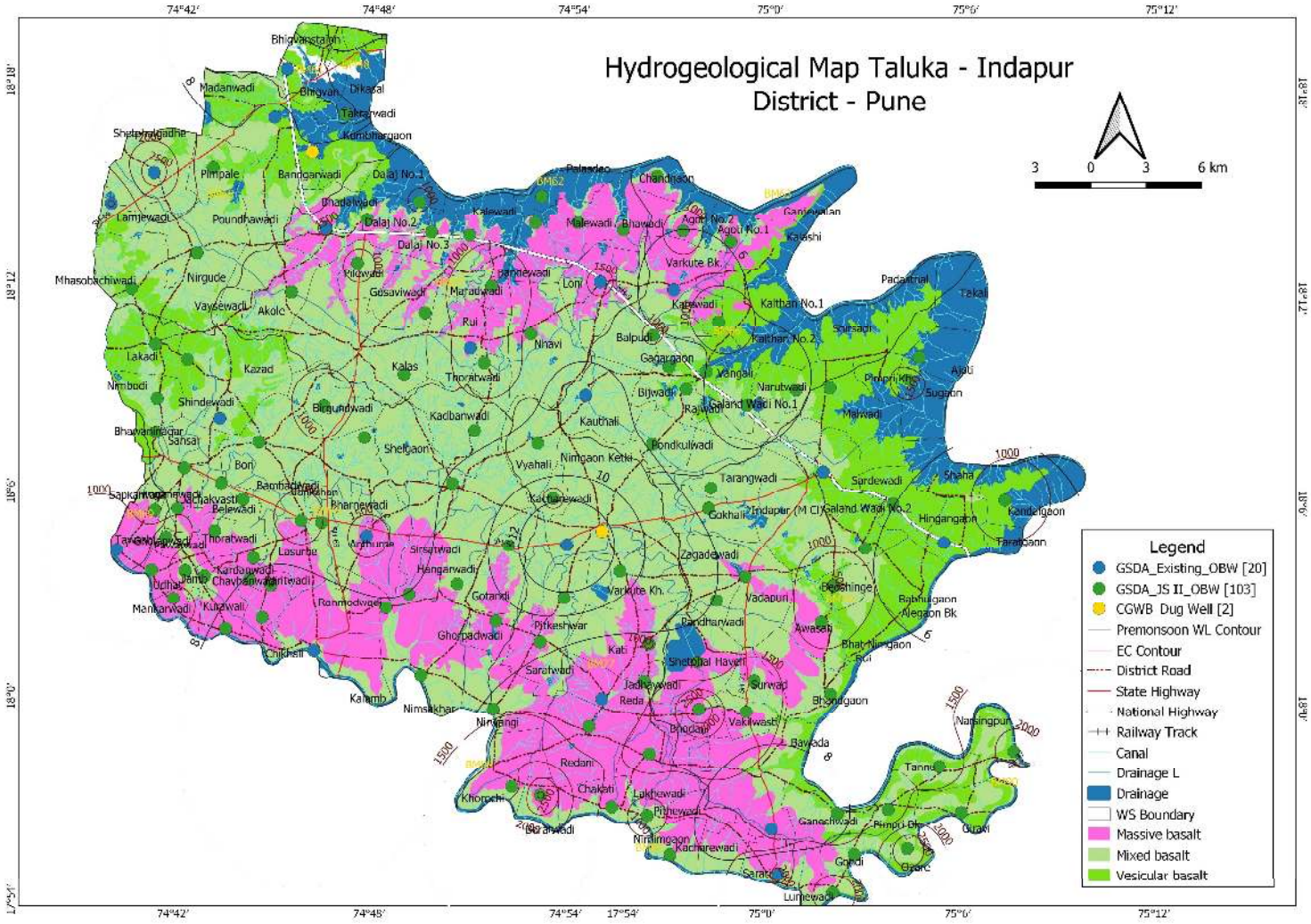
WATER QUALITY (WQ) DATA OF MONITORING STATIONS-CGWB

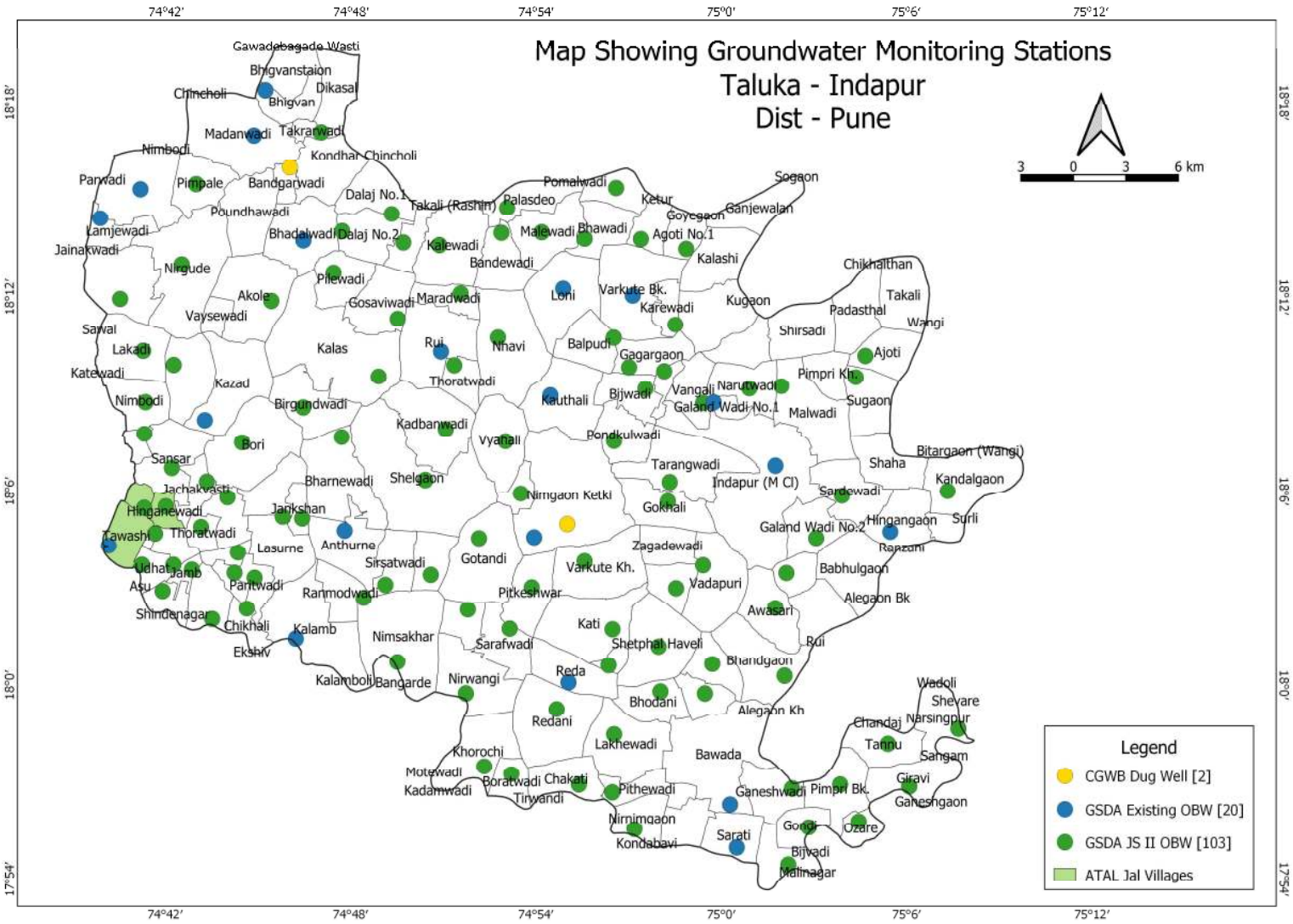
STATE-MAHARASHTRA, DISTRICT-PUNE, TALUKA-INDAPUR

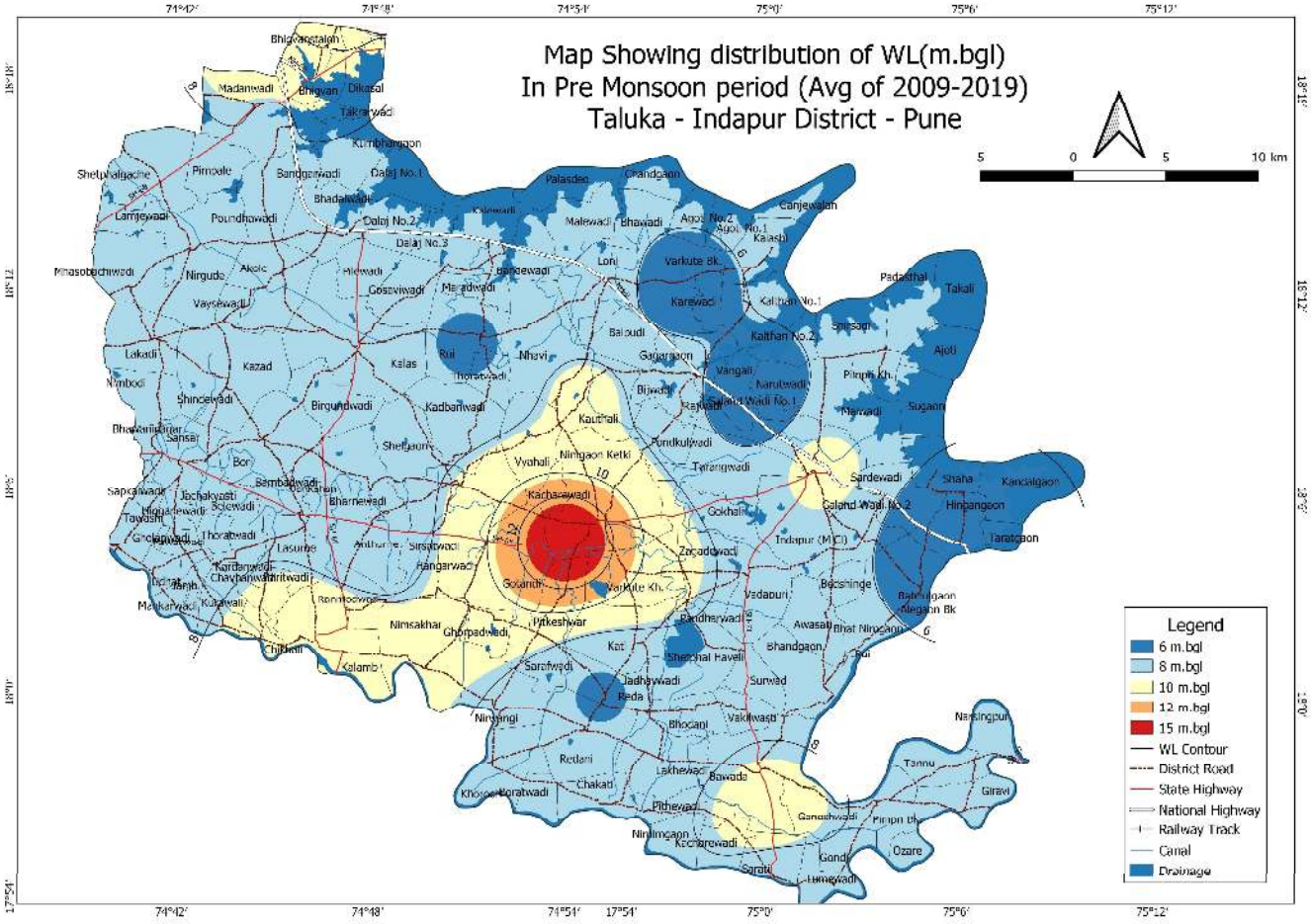
Sr.No.	Well No./Locaton	Well Type	Village	Date of Testing	Temp	EC (µS/cm)	pH	Ca	Mg	Na	K	HCO3	CL	SO4	NO3	F
1	W180500074550001	DW	Nimbgaon-Ketke	21-05-2015												
2	W180500074550001	DW	Nimbgaon-Ketke	21-05-2015		549	8	42	26.8	45	0.8	262	67	28	11	0.57
3	W181600074460001	DW	Bhadalwadi	21-05-2015		1520	7.8	96	48.74	107	4.42	134	174	366	16	0.64
4	W181600074460001	DW	Bhadalwadi	21-05-2015												
5	W181600074460001	DW	Bhadalwadi	21-05-2017		1933	7.9	133	59.36	124	24.9	351	247	160	14	0.44

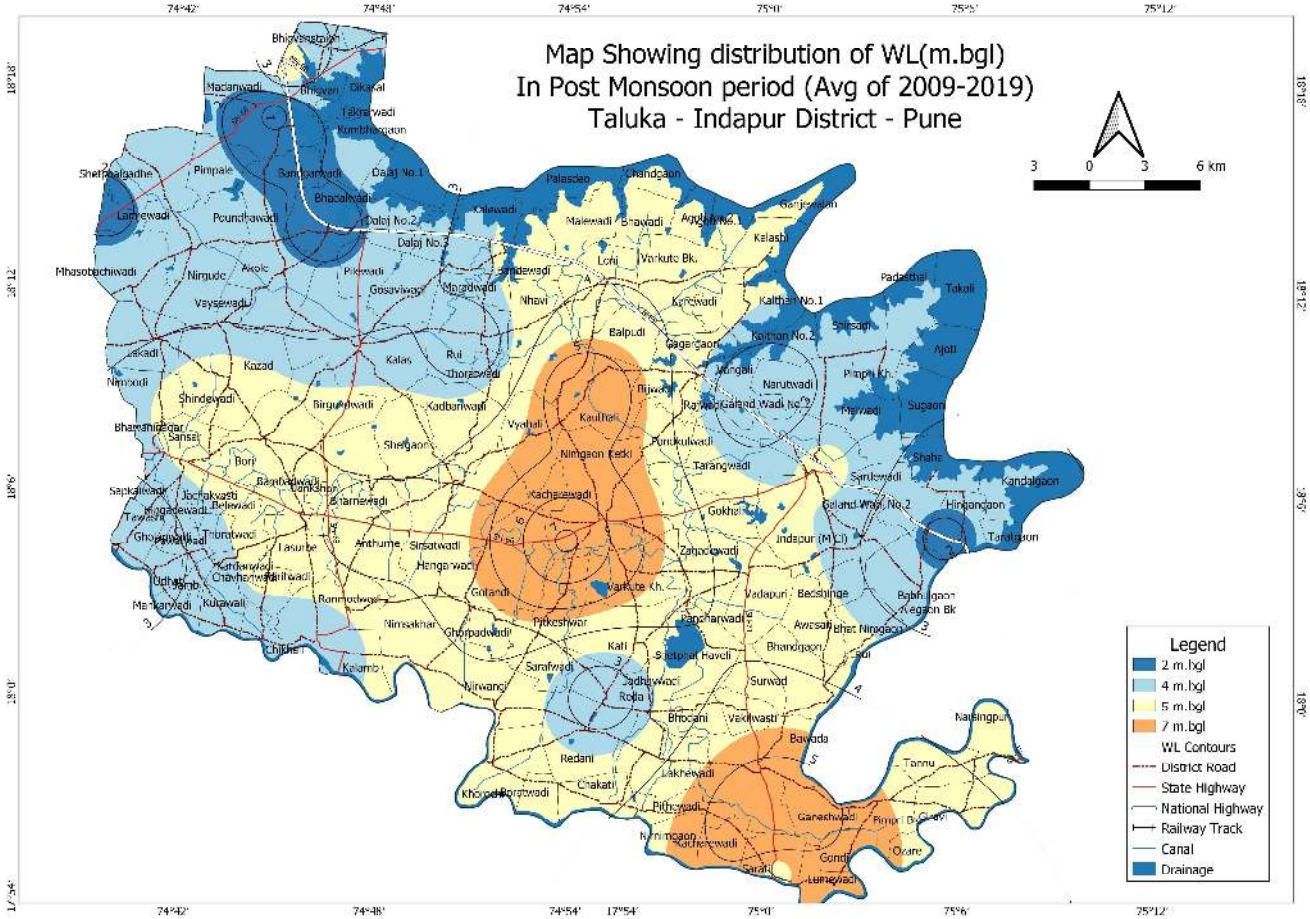

Location Map Taluka - Indapur
District - Pune
0
5
10 km
India
Maharashtra - State
Indapur - Taluka
Legend
GSDA_Existing_OBW [20]
GSDA_JS II_OBW [103]
OGWB Dug Well [2]
District Road
State Highway
National Highway
Railway Track
Canal
Drainage
74°42'
74°48'
74°54'
75°0'
75°6'
18°18'
18°12'
18°6'
18°0'
17°54'
Bhigvanstation
Madanwadi
Bhigvan
Dikasal
Takarwadi
Kumbhargaon
Shetphalgadhe
Pimpale
Bandgarwadi
Dalaj No.1
Bhadalwadi
Palasdeo
Chandgaon
Tamjewadi
Pounchawadi
Dalaj No.2
Kalewadi
Malewadi
Bhawadi
Agati No.1
Kalashi
Banjewalan
Dalaj No.3
Mhasobachiwadi
Nirgude
Akole
Pilivadi
Gosaviwadi
Maradwadi
Bendewadi
Loni
Varkute Bk.
Vayasewadi
Karevadi
Kalthan No.1
Padasthal
Takali
Balpudi
Kalthan No.2
Sonasan
Ajoti
Lakadi
Kazad
Kalas
Rui
Nhavi
Thoratwadi
Gagangaon
Mangali
Nimbodi
Shindewadi
Bijwadi
Nandwadi
Pimpri Kh.
Bhawaniwadar
Sansar
Bibidwadi
Kadbanwadi
Rajwadi
Dalsingwadi No.1
Malwadi
Sugaon
Kauthali
Pondkulwadi
Shahajpur
Shelgaon
Vyahali
Nimgaon Ketki
Tarangwadi
Shaha
Bori
Sardewadi
Kandalgaon
Sapkalwadi
Lachakvasti
Bambadwadi
Bhamnewadi
Kachardwadi
Galand Wadi No.2
Hingangaon
Belewadi
Gokhali
Taratgaon
Ghogarwadi
Thoratwadi
Lasurne
Anthurne
Sirsatwadi
Indapur (M Cl)
Zagadewadi
Hangarwadi
Gotangi
Varkute Kh.
Vadapuri
Bavdashinge
Bhalwangaon
Megaon Bk
Mankarwadi
Kutawali
Ranmodwadi
Nimsakhar
Ghorpadwadi
Pitkeshwar
Kali
Pandharwedi
Awasari
Bhat Nimgaon
Chikhali
Kalamb
Bhandgaon
Sheripal Haveli
Sarafwadi
Nirwangi
Tadalwadi
Reda
Gurwad
Vakilwasti
Nasingpur
Bhodani
Redani
Lakhewadi
Bawada
Tanni
Giravi
Khorochi
Boratwadi
Chakati
Pitkewadi
Ganeshwadi
Pimpri Bk
Nimgaon
Kacharewadi
Sarati
Ozare
Gondi
Limbwadi

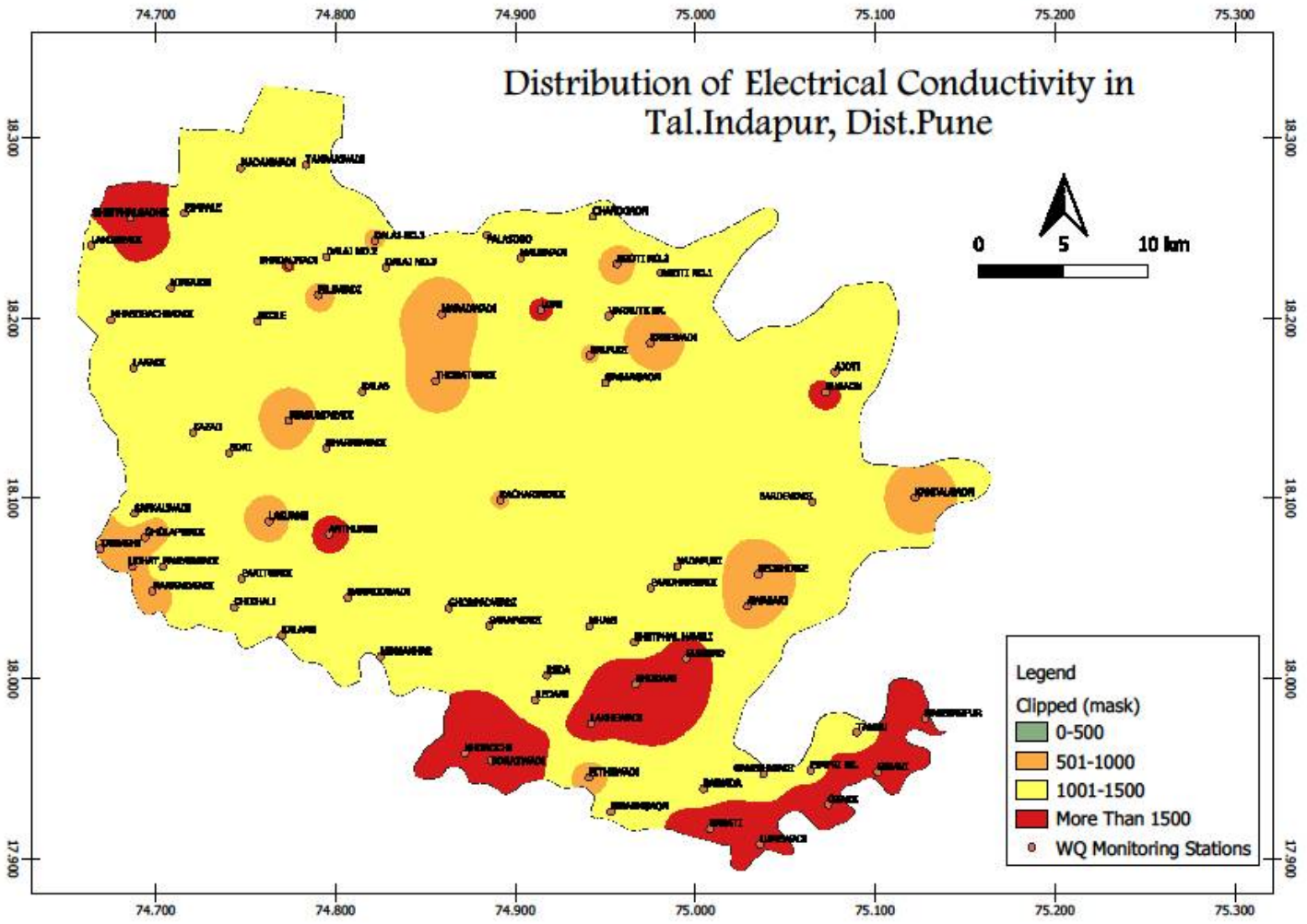

Base Map Taluka - Indapur
District - Pune
5 0 5 10 km
Legend
GSDA Existing OBW [20]
GSDA_JS II_OBW [103]
CGWB_Dug Well [2]
District Road
State Highway
National Highway
Railway Track
Canal
Drainage
74°42'
74°48'
74°54'
75°0'
75°6'
75°12'
18°18'
18°12'
18°6'
18°0'
17°54'
Bhigvanstalgh
Madanwadi
Bhigvan
Dikasal
Takrarwadi
Kumbhargaon
Shetphalgadi-2
Pimpale
Bandgarwadi
Dalaj No.1
Bhadanwadi
Palasdeo
Chandgaon
Lamjewadi
Poundhawadi
Dalaj No.2
Kalewadi
Malewadi
Bhawadi
Ganjewadan
Dalaj No.3
Kalashi
Mhasobachiwadi
Nirgude
Akole
Pikhwadi
Bandewadi
Loni
Varkute Bk.
Vayasewadi
Gosaviwadi
Marpdwadi
Karwadi
Kalthan No.1
Padashal
Takali
Kalthan No.2
Balpudi
Lakad
Kazad
Kalas
Rui
Nhavi
Gagargaon
Ajoti
Nimbodi
Thoratwadi
Mangali
Nandwadi
Shindewadi
Bijwadi
Rajwadi
Galand Wadi No.1
Sugaon
Bhawaninagar
Kadbanwadi
Kauthali
Sansar
Shelgaon
Bhondkulwadi
Shisha
Bori
Vyahali
Nimgaon Ketki
Tarangwadi
Sardewadi
Kandalgaon
Sapkalwadi
Bambadwadi
Umkalhal
Kadbanwadi
Belewadi
Bharnewadi
Gokhali
Galand Wadi No.2
Hingangaon
Tawashi
Gholapwadi
Indapur (M Cl)
Tarabgaon
Lasurne
Sinsatwadi
Zagadewadi
Hangarwadi
Gotandi
Varkute Kh.
Vadapuri
Bavda
Ranmodwadi
Nimsakhar
Ghorpadwadi
Pandharwadi
Bhandgaon
Chikhali
Kalamb
Sarafwadi
Nirwangi
Jadalewadi
Reda
Bhodani
Vakilwasti
Redani
Lakdewadi
Bawada
Chakati
Pithewadi
Nimgaon
Sarati
Gondi
Lumewadi
Ozare
Giravi
Pimpri Bk
Ganeshwadi
Tamhanwadi
Nrusingpur


Hydrogeological Map Taluka - Indapur
District - Pune
3 0 3 6 km
Legend
GSDA_Existing_OBW [20]
GSDA_JS II_OBW [103]
CGWB Dug Well [2]
Premonsoon WL Contour
EC Contour
District Road
State Highway
National Highway
Railway Track
Canal
Drainage L
Drainage
WS Boundary
Massive basalt
Mixed basalt
Vesicular basalt
74°42'
74°48'
74°54'
75°0'
75°6'
75°12'
18°18'
18°12'
18°6'
18°0'
17°54'


Map Showing Groundwater Monitoring Stations
Taluka - Indapur
Dist - Pune
3 0 3 6 km
Legend
CGWB Dug Well [2]
GSDA Existing OBW [20]
GSDA JS II OBW [103]
ATAL Jal Villages
74°42′
74°48′
74°54′
75°0′
75°6′
75°12′
18°18′
18°12′
18°6′
18°0′
17°54′
Gawadebagade Wasti
Bhigvanstaion
Dikasal
Chincholi
Bhigvan
Madanwadi
Takrarwadi
Nimbodi
Kondhar Chincholi
Parwadi
Pimpale
Bandgarwadi
Dalaj No.1
Pomalwadi
Sogaon
Takali (Rashin)
Palasdeo
Ketur
Goyegaon
Ganjewalan
Poundhawadi
Lamjewadi
Bhadalwadi
Dalaj No.2
Malewadi
Bhawadi
Agoti No.1
Jainakwadi
Kalewadi
Kalashi
Bandewadi
Chikhalthan
Nirgude
Pilewadi
Takali
Akole
Gosaviwadi
Maradwadi
Loni
Varkute Bk.
Karewadi
Kugaon
Padasthal
Vaysewadi
Wangi
Sawal
Shirsadi
Lakadi
Kalas
Rui
Nhavi
Balpudi
Gagargaon
Ajoti
Katewadi
Kazad
Thoratwadi
Pimpri Kh.
Vangali
Narutwadi
Nimbodi
Birgundwadi
Kauthali
Bijwadi
Galand Wadi No.1
Sugaon
Malwadi
Kadbanwadi
Vyahali
Pondkulwadi
Bori
Bitargaon (Wangi)
Sansar
Tarangwadi
Shaha
Jachakvasti
Bharnewadi
Shelgaon
Indapur (M Cl)
Kandalgaon
Nimgaon Ketki
Sardewadi
Hinganewadi
Jarikshan
Gokhali
Tawashi
Thoratwadi
Galand Wadi No.2
Hingangaon
Surli
Lasurne
Anthurne
Zagadewadi
Gotandi
Sirsatwadi
Varkute Kh.
Babhulgaon
Udhat
Jamb
Vadapuri
Asu
Pantwadi
Pitkeshwar
Alegaon Bk
Ramnodwadi
Awasari
Shindenagar
Kati
Chikhali
Kalamb
Nimsakhar
Shetphal Haveli
Rui
Ekshiv
Sarafwadi
Bhandgaon
Reda
Kalamboli
Bangarde
Nirwangi
Wadoli
Shevare
Bhodani
Alegaon Kh
Narsingpur
Redani
Chandaj
Lakhewadi
Tamhu
Khorochi
Bawada
Sangam
Motewadi
Boratwadi
Chakati
Giravi
Kadamwadi
Tirwandi
Pithewadi
Ganeshwadi
Pimpri Bk.
Ganeshgaon
Nirnimgaon
Gondi
Ozare
Sarati
Kondabavi
Bijwadi
Malinagar


Map Showing distribution of WL(m.bgl)
In Pre Monsoon period (Avg of 2009-2019)
Taluka - Indapur District - Pune
5 0 5 10 km
Legend
6 m.bgl
8 m.bgl
10 m.bgl
12 m.bgl
15 m.bgl
WL Contour
District Road
State Highway
National Highway
Railway Track
Canal
Drainage
74°42'
74°48'
74°54'
75°0'
75°6'
75°12'
18°18'
18°12'
18°6'
18°0'
17°54'


Map Showing distribution of WL(m.bgl)
In Post Monsoon period (Avg of 2009-2019)
Taluka - Indapur District - Pune
3 0 3 6 km
Legend
2 m.bgl
4 m.bgl
5 m.bgl
7 m.bgl
WL Contours
District Road
State Highway
National Highway
Railway Track
Canal
Drainage


Distribution of Electrical Conductivity in
Tal.Indapur, Dist.Pune
74.700
74.800
74.900
75.000
75.100
75.200
75.300
18.300
18.200
18.100
18.000
17.900
0
5
10 km
Legend
Clipped (mask)
0-500
501-1000
1001-1500
More Than 1500
WQ Monitoring Stations