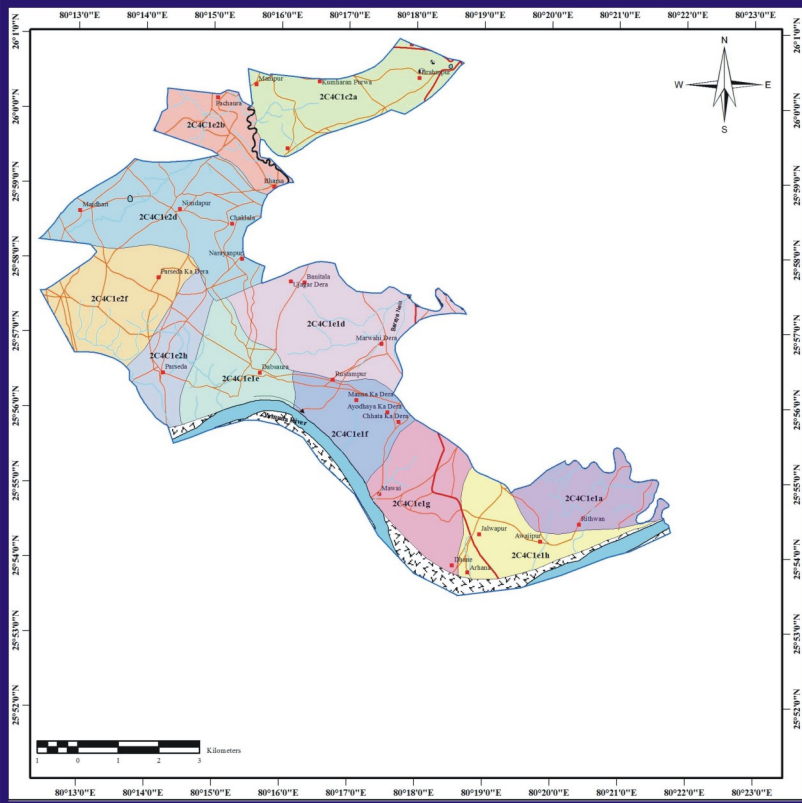


DETAILED PROJECT REPORT (D.P.R.)



INTEGRATED WATERSHED MANAGEMENT PROGRAMME

IWMP-IV,th Year-2011-12

Block-Katehari, Bhati

District-Ambekar Nagar

सहयोग ! समन्वय ! सहभागिता !



Submitted to: -
Irrigation and Water Resource Department
Lucknow (U.P.)



Prepared By:-
WAPCOS LIMITED
(A Government of India Undertaking-Ministry of Water Resources)
3/21 Patrakar Puram, Gomti Nagar Lucknow (UP)

EXECUTIVE SUMMARY

DETAIL PROJECT REPORT (DPR) , INTEGRATED WATERSHED MANAGEMENT PROJECT IWMP IVth BLOCK –Bheti, Katahri

PIA-BSA UNIT-AMBEDKARNAGAR (LDWR), DISTRICT- AMBEDKARNAGAR

IWMP IVth project is a part of Tamsa river watershed which comprises 8 Microwatershed. This watershed has been identified under IWMP scheme on the basis of norms of selection criteria and different prioritization parameters for watershed selection laid down by GOI. The watershed is located in the South-West of district Ambedkarnagar in between Majhui and Vishui Revers. The selected micro watersheds code and area is giving below -

Code	Name of Microwatershed	Geographical Area (ha.)	Area to be Treated (ha.)
2B2A8a1d	Baramadpur Jariyari	292.93	225.73
2B2A8a1e	Nerherpur	384.61	296.38
2B2A8a1a	Husainpurhidi	460.45	354.82
2B2A8a2a	Vasupur Vaniyani	1070.05	824.58
2B2A8a2c	Jalalpursehra	533.22	410.90
2B2A8b1a	Sugauti	1046.85	806.70
2B2A8b1a1	Khajuri	615.53	474.33
2B2A8d1b	Bagwanpatti	1742.65	1342.89
2B2A9a2a	Madhupurmiranpur	601.67	463.67
	Total	6747.96	5200.00

Altitude ranges from 88 m to 102 m above mean sea level (MSL). The total area of watershed is 6747.96 ha.and treatable area 5200.00 ha. which is in cluster form and contiguous to previous selected micro watersheds. The watershed area falls under sub tropiical humid climate. The average annual precipitation is 982.506 mm for last five years (2007- 2011),which includes 48 rainy days. Most of the rainfall (above 84 %) is received during June to September. Year to year and respective month to month and within month variation of rainfall is significant. The intensity of rainfall is moderate to high. The area receives very less rainfall in the winter season. The temperature variation has been noticed as high as 44.3⁰ C in the month of May- June to as low as 2.8⁰C in December- January.

The coarse textured soil (Sand and loamy sand) comprises 40% and medium texture soil (sandy loam, loam and silt loam) 25%, both comprising 65% of the entire watershed area. Heavy texture soil is 25% and 10% area is under gravelly soil. According to soil fertility map prepared by Agriculture Department, the soil is deficient in N, very deficient in P and moderately deficient in K. The soil is also poor in organic matter.

The area under cultivation is 80% out of which 82.55% area is rainfed. The cropping intensity of the watershed area is 152.6% which is less than district average 168.41%. Main crops in Kharif are Paddy, Maize, Arhar, & in Rabi, Wheat, Barley, Gram, Pea and Mustard.

The population of the watershed is 77485 out of which SC/ST population is 14095. Total households are 9280 out of which 2318 households belong to SC/ST, 1578 households belong to land less labours and 5661 BPL household. Marginal farmers comprising 88% of the total households. The main occupation is agriculture and animal husbandry. Most of the households depend on wages for livelihood and migrate to other areas at distance places like Lucknow, Delhi and Bombay in search of livelihood.

The Entry point activities to establish credibility of the Watershed Development Team (WDT) includes mostly renovation of drinking water wells, Sokhta (Soak Pits), Pucca drain and Solar lamps which are essential for the health point of view of the whole community.

Soil of the watershed is prominently coarse texture to medium textured which is more fragile and prone to soil erosion. The rainfall intensity is moderately high in this region. All these factors contribute moderate to moderately high erosion hazards. Predominance of sheet erosion in the upper area of the micro watershed has been noticed which is gradually converted to rill erosion causing small rills in the down portion of the watershed before joining *Nallas/Streams*. About 60% area is affected with sheet erosion which washes away the top fertile soil along with the plant nutrients. This is most dangerous type of soil erosion because farmers do not notice it. About 25% area is affected with rill erosion where visible rills are formed by runoff water. Lower part of the watershed, top soil has been washed to form gullies. The watershed development works include plantation of Sagaon, Neem (*Azadirachta indica*, Mahua) along the plot boundary and check roads/bunds. Under moisture conservation work, Contour Bunding, Peripheral and Marginal Bunding have been recommended. Gully Plugs have been recommended to control rill/gully erosion. For safe disposal of runoff water Pucca Outlets with hume pipe and masonry work have been recommended. 24 existing Farm Ponds has been recommended for renovation which will provide irrigation water for 240 ha. These measure will over all reduce the soil erosion, enhance insitu moisture conservation, harvesting of runoff water, recharging of ground water and increase in irrigated area resulting 166 % cropping intensity

To enhance the income of landless assetless, SC/ST, women in the watershed, livelihood activities such as rearing of goats, poultry, rearing of buffalo heifers, piggery, bee keeping, carpentry, cycle shop, tailoring and embroidery centres, grocery shop have been proposed.

To enhance the income from crop production, suitable measures/interventions such as crop demonstration, popularization of small farming equipments among small and marginal farmers, fodder production, agro-horticulture which includes growing of mango, Guava, Awala and banana, agro-forestry have been proposed. Demonstration of crops have been proposed on farmers field. To improve the soil health, green manuring and Nadeb compost have been proposed. The post project cropping intensity would be 166% which will require timely management of good quality

certified seed, fertilizers, pesticides and other inputs. To improve the animal health, health camps would be organized in all villages. Under micro enterprises mini rice mill, mini dal mill, mini floor mill, mini oil expeller etc. have been proposed for value addition of agriculture produce which will help improve the earning of farmers and related village community.

Table - ES-1:- FACT SHEET ABOUT BENCH MARK INDICATORS /PROJECT AT A GLANCE

S. N.	Particulars	Description
1	2	3
1	Name of the Scheme/Programme	Integrated Watershed Management Programme (IWMP)
2	Name of the IWMP Project with Year	IWMP (Ambedkarnagar) IV (Year 2011-12)
3	Block	Bheti & katahri
4	District	Ambedkarnagar
5	State	U.P.
6	Basin/catchment/sub catchment	Vishui sub Catchment
7	Code and Names of Micro Watershed	2B2A8a1d Baramadpur Jariyari , 2B2A8a1e Nerherpur, 2B2A8a1a Husainpurhidi, 2B2A8a2a Vasupur Vaniyani, 2B2A8a2c Jalalpursehra, 2B2A8b1a Sugauti, 2B2A8b1a1 Khajuri, 2B2A8d1b Bagwanpatti , 2B2A9a2a Madhupurmiranpur
8	No. of Gram Panchayat	46
9	No. of Villages	76
10	Latitude- Longitude	82°25'6.594"E, 82°17'58.249"E 26°31'46.48"N, 26°23'26.167"N
11	Name of the P.I.A.	Bhumi Sanrakshan Adhicari, Irrigation & Water Resources, Ambedkarnagar
12	Proposed Year of Commencement of project	2011-12
13	Proposed Year of completion of the project	2015-16
14	Details of watershed area (ha)	
a	Geographical area of IWMP Project	6747.96

b	Area Not Treatable (i) Untreatable (habitation, steep slopes, roads, forests, rocky mountainous) (ii) Already Treated (iii) Assured Irrigated, (iv) Permanent Wasteland (v) Others	472.36 00 941.64 77 56.90
c	Treatable Area (i) Rainfed Area (ii) Temporary Wasteland (iii) Grass Land	5200 4452.96 693.00 54.06
15	Private Land	5394.60
16	Community Land	188.00
17	Other Land	1165.36
18	Gross Cultivated Area	8232.24
19	Net Cultivated Area	5394.60
20	Cropping Intensity	152.6%
21	Gross Irrigated Area	1903.24
22	Net Irrigated Area	941.64
23	Rainfed Area	4452.96
24	Total Population	77485
a	Male	39886
b	female	37589
25	SC/ST Population	15495
a	Male	7185
b	female	6910
26	Migration (No of persons migrated from the project area)	14005
27	Beneficiaries	

a	No. of Beneficiaries (Marginal Farmers)	6774
b	No. of Beneficiaries (Small Farmers)	650
c	No. of Beneficiaries (Landless)	1578
d	No. of Beneficiaries (BPL)	5661
28	Average Ground Water Table (Meter Below Ground Level)	
(a)	Pre Monsoon	13.53
(b)	Post Monsoon	11.27
29	Proposed Plan Rs. Lakhs	
I	Management Component	
a	Administrative Cost (10%)	62.400
b	Monitoring (1%)	6.240
c	Evaluation (1%)	6.240
II	Preparatory phase	
a	Entry Point Activities (4%)	24.960
b	Institution and Capacity Building (5%)	31.200
c	Preparation of detailed project report (DPR) (1%)	6.240
III	Watershed works phase	
a	Watershed Development works: (56%)	349.440
b	Livelihood Activates for Landless/Assetless (9%)	56.160
c	Production system & Micro-Enterprises (10%)	62.400
IV	Consolidation phase (3%)	18.720
	Total project cost (Rs. in lakhs), (100%)	624.00

Table - ES- 2:- YEAR WISE PHYSICAL & FINANCIAL TARGETS AND ACTION PLAN

Physical: in Ha/No.,.,., Financial in Rs. Lakh

S.N	Component	Unit No/ Ha	Total Plan		I year 2011-12		II year 2012-13		III year 2013-14		IV year 2014-15		V year 2015-16	
			Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-	Project Management Component													
1	Administrative Cost			62.400		3.120		9.360		16.848		16.848		16.224
2	Monitoring			6.240				1.248		1.248		1.248		2.496
3	Evaluation			6.240				1.872		1.092		1.092		2.184
	Total			74.880		3.120		12.480		19.188		19.188		20.904
B-	Preparatory Phase	No.												
1	Entry Point Activity	No.		24.960		24.960								
2	Institution and Capacity Building	No.		31.200		3.120		15.600		4.680		4.680		3.120
3	DPR Preparation			6.240		6.240								
	Total			62.400		34.320		15.600		4.680		4.680		3.120
C-	Watershed Works Phase													
1	Watershed Development Works	ha												
1.1	Land Development	ha	225.21	10.833			30.16	1.451	65.05	3.129	65.05	3.129	64.95	3.124
1.1.2	Soil and Moisture Conservation	ha /no	4974.79	271.218			666.27	36.324	1436.91	78.338	1436.91	78.338	1434.69	78.217
1.1.3	Vegetative& Engineering Structures	No.												
1.1.4	Water Harvesting Structure (New), CD	No.												
1.1.5	Water Harvesting structure (Renovated), Farm Pond		24	67.389			3	9.025	7	19.465	7	19.465	7	19.435
	Total of Watershed Development Works	No.	5200	349.440			696.429	46.800	1501.964	100.932	1501.964	100.932	1499.643	100.776
2	Livelihood Activities for Landless/Asset less	ha/ no.	1426	62.400			145	6.240	353	15.6	353	15.600	571	24.96
3	Production System & Micro-Enterprises.		250	56.160			31	6.240	73	15.600	77	15.600	69	18.720
D.	Consolidation Phase			18.720										18.720
	GRAND TOTAL			624.000		37.440		87.360		156.000		156.000		187.200

Table- ES-3:- EXPECTED OUTCOMES/BENEFITS

Sl. No.	Project Outcome Details	Pre Project	Post Project (Expected)
1	2	3	4
1	Cropped Area(ha):	8232.24	8955.30
2	Net Sown Area(ha):	5394.60	5544.60
3	Crop Intensity	152.6%	161.50%
4	Area of land to which irrigation facility created(ha)	941.64	1037.64
5	No. of Revenue Records Updated	–	76
6	No. of Beneficiaries(Small Farmers)	650	650
7	No. of Beneficiaries(Marginal Farmers)	6774	6774
8	No. of Beneficiaries(Landless)	1578	1578
9	No. of Beneficiaries(BPL)	5661	5661
10	Total No. of Employment Generated (Person days)	-	191528
11	No. of Person days Migrated from Project Area	10208	25% कमी
12	Pre-Monsoon Depth of Ground Water (meters below ground level)	13.53	12.53
13	Post-Monsoon Depth of Ground Water (meters below ground level)	11.22	10.22
14	Agriculture Production		
	Food Grain Production (Q)	71344	115465
	Pulses (Q)	17229	25660
	Oil Seed (Q)	3947	6982.50
	Fodder (Q)		
	Dry Fodder (Q)	150684	252513
	Green Fodder (Q)	47949	193850
	Fuel (Q)	47190	74562
	Av. Income From Agriculture	25000-30000	45000-50000

Sl. No.	Project Outcome Details	Pre Project	Post Project (Expected)
1	2	3	4
	Milk Production (Litr)	2099565	3656595
	Irrigated Land (ha.)	941.64	1037.64
	Agro- Forrestry/ Agro- Horticulture (ha.)	2420	20% वृद्धि
	No. of Women Benefitted Throu SHG	-	600
	Cost of Land/ha.	Rs. 12.00 Lacs	Rs. 20.00 Lacs

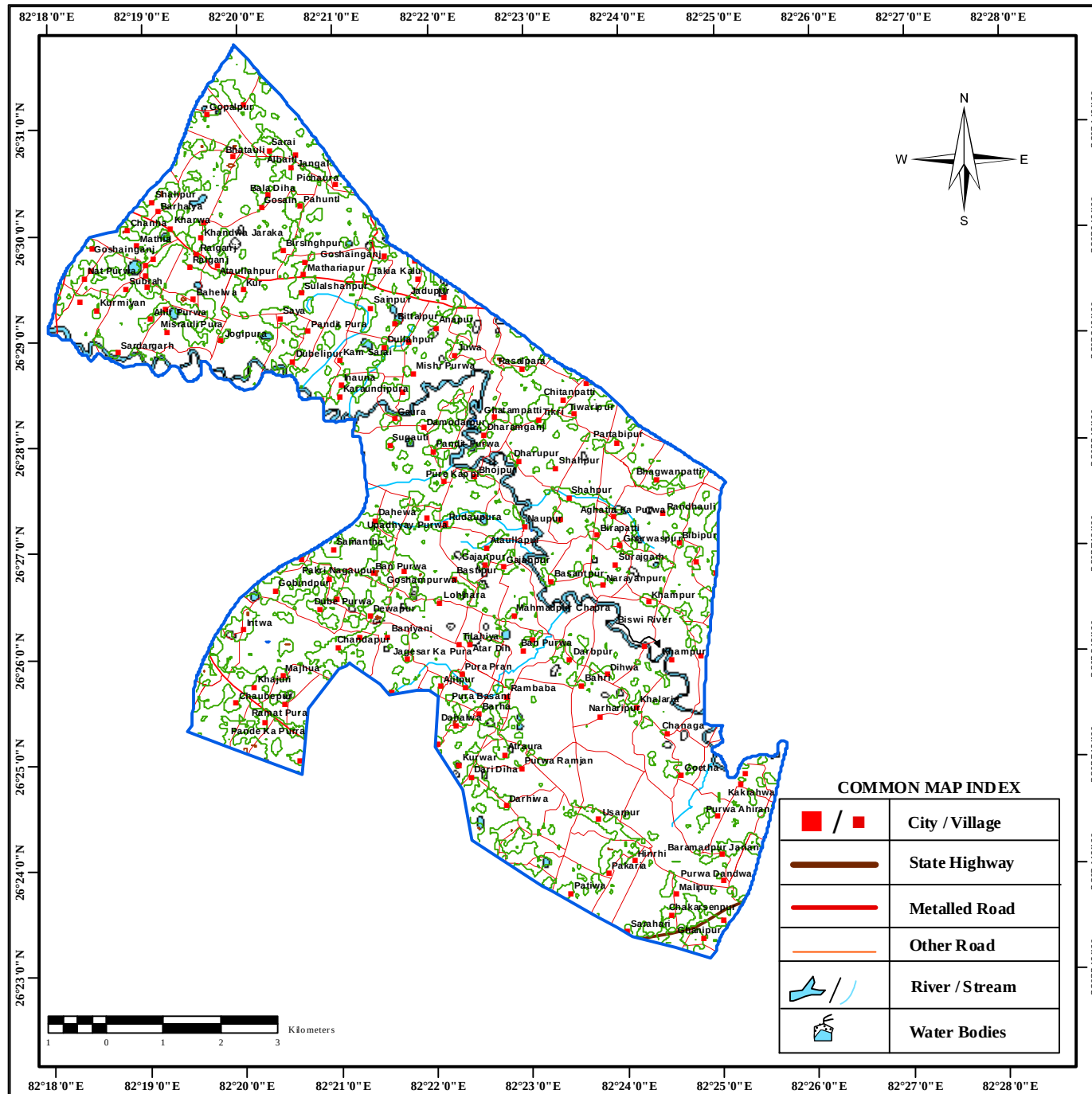
CONTOUR MAP

AMBEDKARNAGAR DISTRICT, UTTAR PRADESH

CODE - IWMP (2011-12) - IV

LEGEND

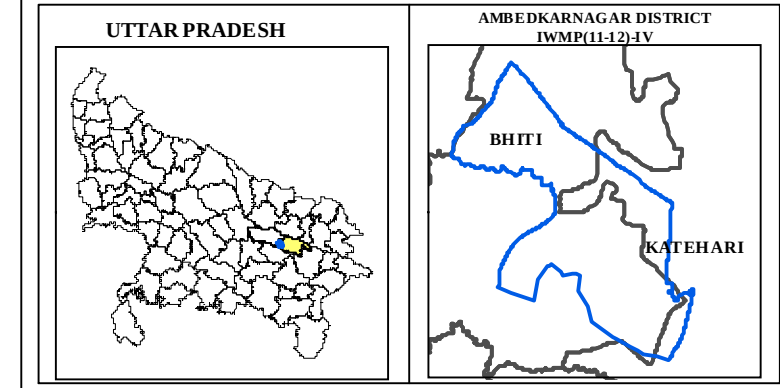
SYMBOL	DESCRIPTION	
	CONTOUR (Relative Heights in Meters)	10
		20
		30
	Project Area	



COMMON MAP INDEX

	City / Village
	State Highway
	Metalled Road
	Other Road
	River / Stream
	Water Bodies

LOCATION INFORMATION



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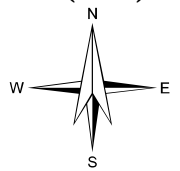


SURFACE WATER RESOURCE DIVISION
REMOTE SENSING APPLICATIONS CENTRE - U.P.

SECTOR-G, JANKIPURAM,
KURSI ROAD, LUCKNOW,
UTTAR PRADESH - 2260 21

DRAFT ACTION PLAN

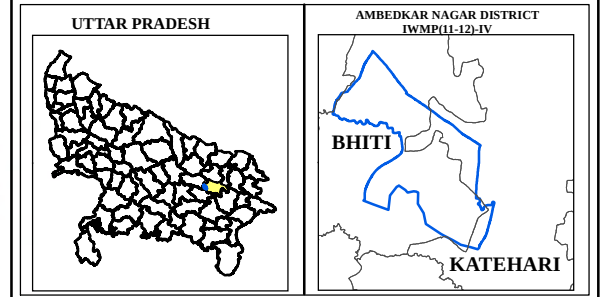
AMBEDKAR NAGAR DISTRICT, UTTAR PRADESH CODE - IWMP (11-12) - IV



LEGEND

	Desilting of waterbodies
	Area Proposed for Agroforestry with Contour Bund
	Area Proposed for Agroforestry
	Area Proposed for Agro Horticulture
	Project Area

LOCATION INFORMATION



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UTTAR PRADESH - 226021



DRAINAGE AND SURFACE WATER BODIES MAP

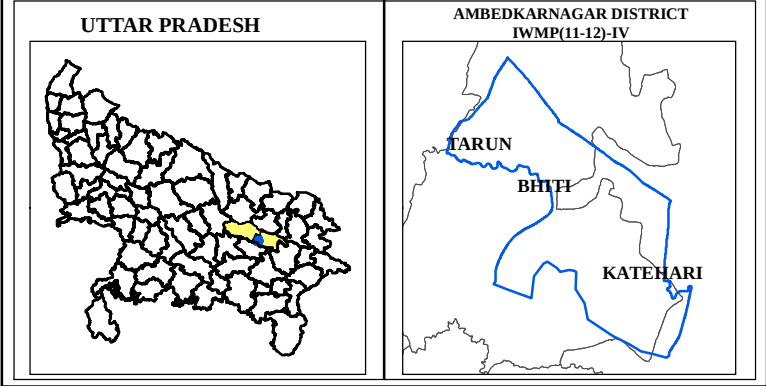
AMBEDKARNAGAR, UTTAR PRADESH

CODE - IWMP (2011-12) - IV

LEGEND

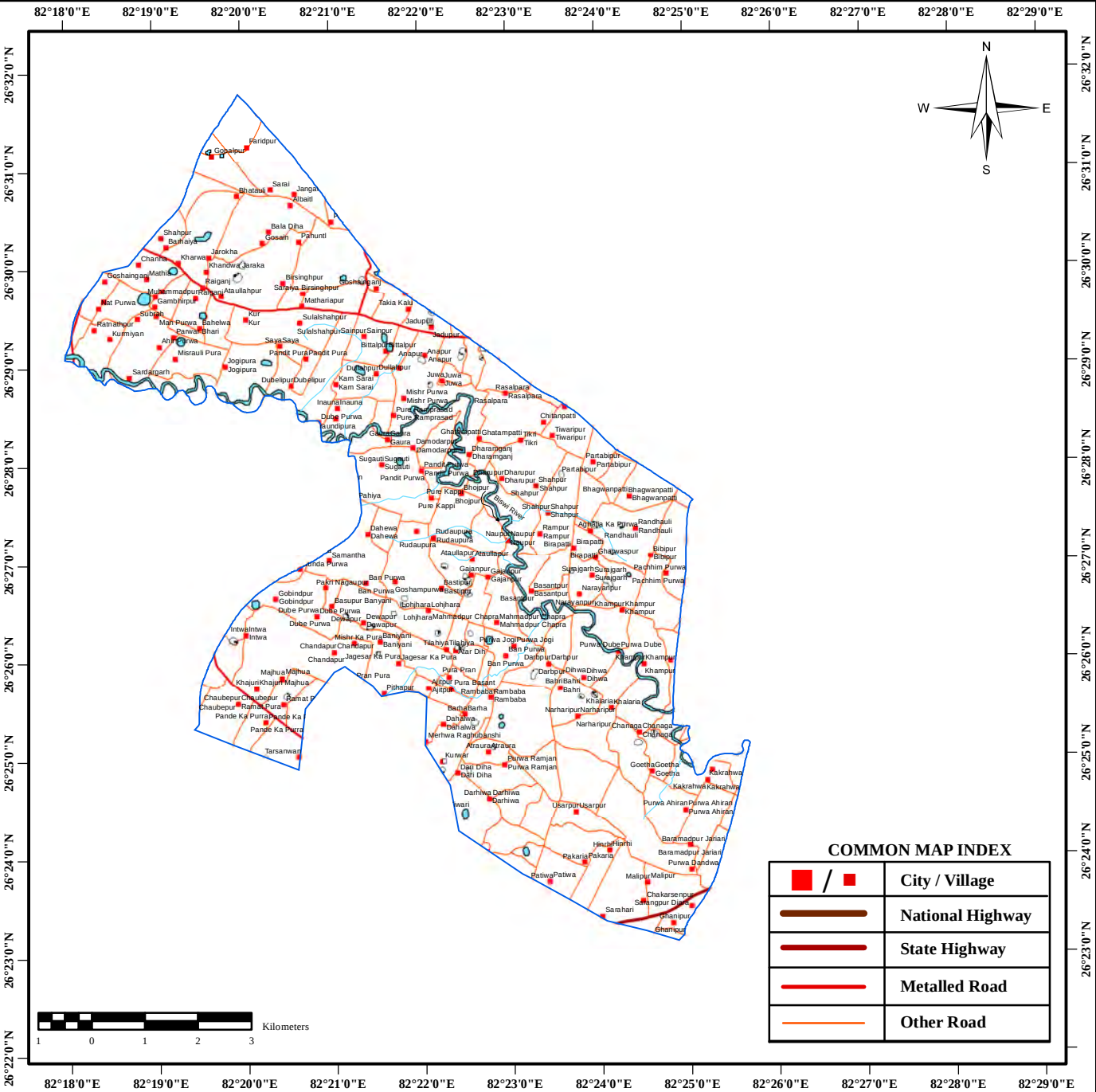
SYMBOL	DESCRIPTION
	River / Stream
	Water Bodies
	Project Area

LOCATION INFORMATION



COMMON MAP INDEX

	City / Village
	National Highway
	State Highway
	Metalled Road
	Other Road



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REMOTE SENSING APPLICATIONS CENTRE- U.P.

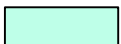
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UTTAR PRADESH - 226021

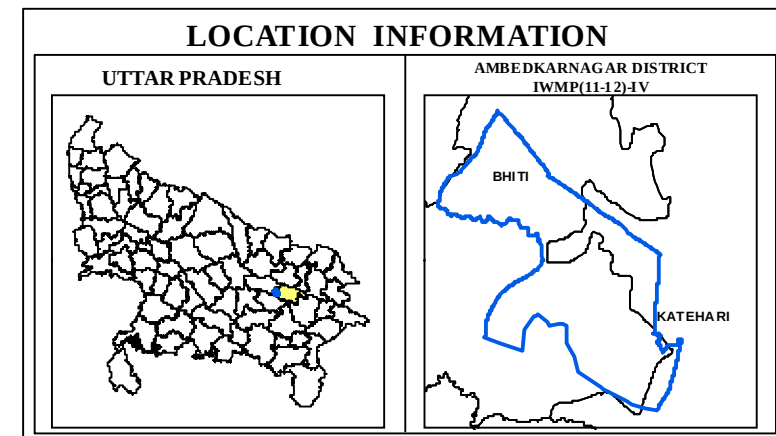
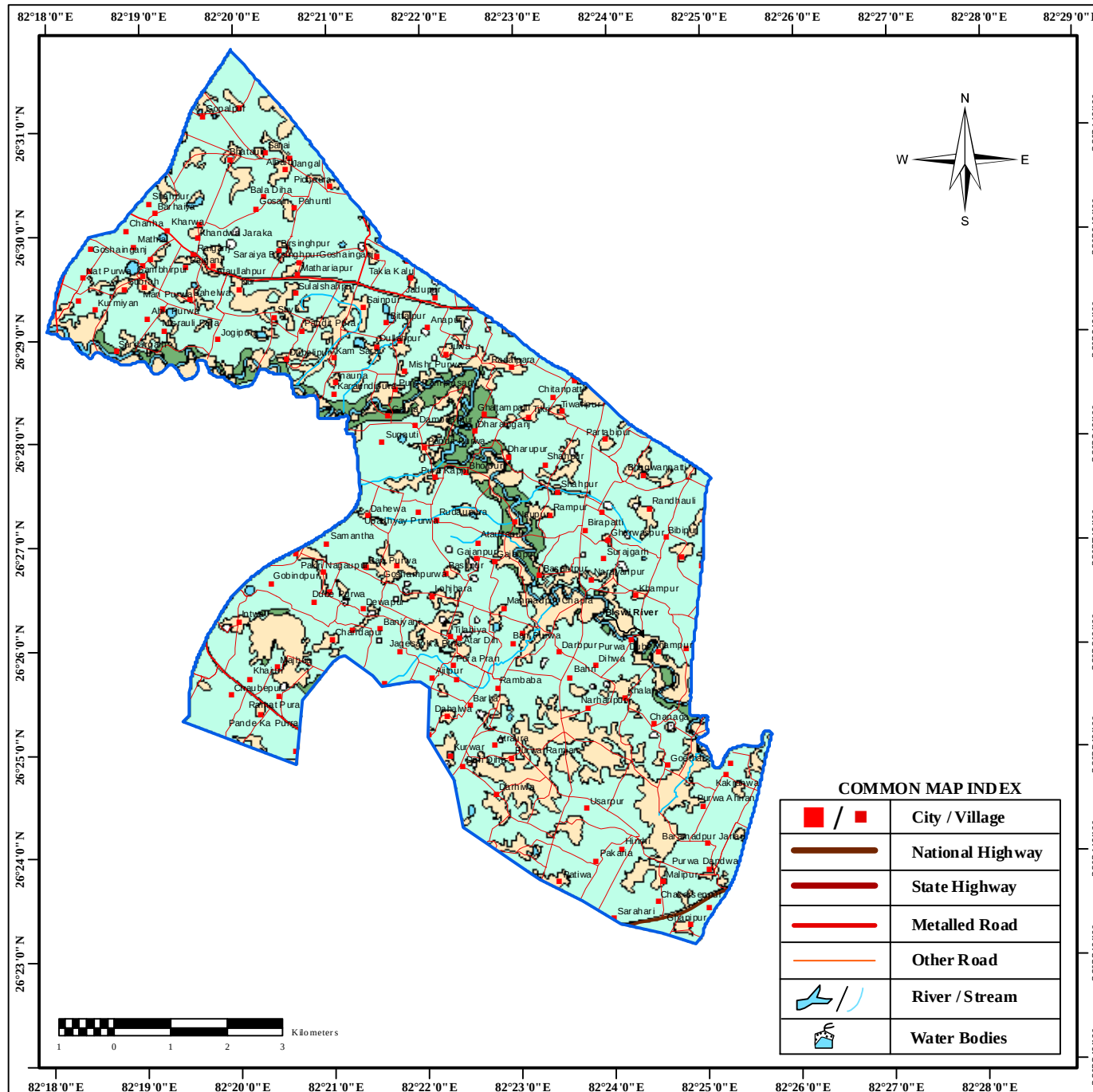
LAND CAPABILITY MAP

AMBEDKARNAGAR DISTRICT, UTTAR PRADESH

CODE - IWMP (2011-12) -IV

LEGEND

SYMBOLS	DESCRIPTION
	Excellent
	Very Good
	Poor
	Project Area



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REMOTE SENSING APPLICATIONS CENTRE - U.P.

SECTOR-G, JANKIPURAM,
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LAND DEGRADATION MAP

AMBEDKAR NAGAR DISTRICT, UTTAR PRADESH

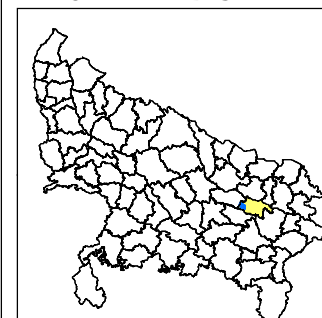
CODE - IWMP (2011-12) - IV

LEGEND

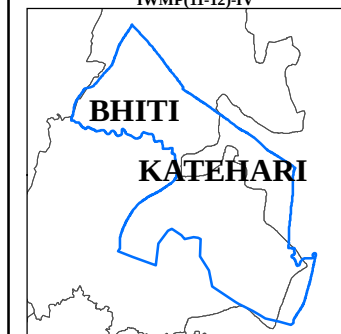
SYMBOL	LAND DEGRADATION PROCESS	LAND DEGRADATION TYPE	DEGREE OF PROBLEM
	Salinization	Sodic	Severe
	Salinization	Sodic	Moderate
	Salinization	Sodic	Slight
	Water logging	Surface ponding	Moderate
	Project Area		

LOCATION INFORMATION

UTTAR PRADESH



AMBEDKAR NAGAR DISTRICT
IWMP(11-12)-IV



COMMON MAP INDEX

 / 	City / Village
	National Highway
	State Highway
	Metalled Road
	Other Road
	River / Stream
	Water Bodies

 Kilometers
1 0 1 2 3

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UTTAR PRADESH - 226021

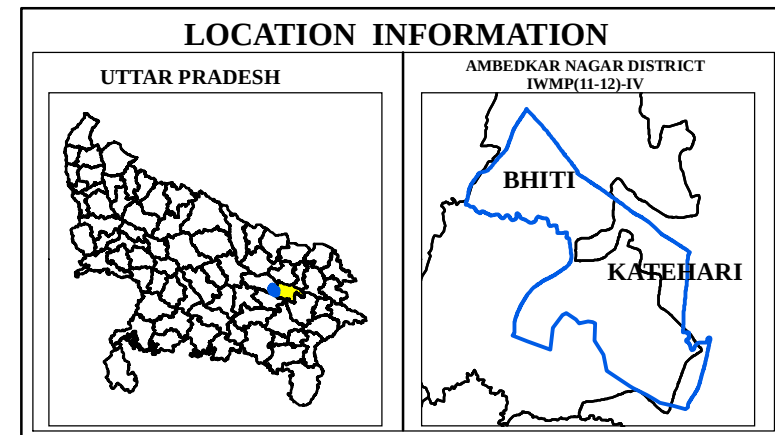
LAND USE/LAND COVER MAP

AMBEDKAR NAGAR DISTRICT, UTTAR PRADESH

CODE - IWMP (2011-12) - IV

LEGEND

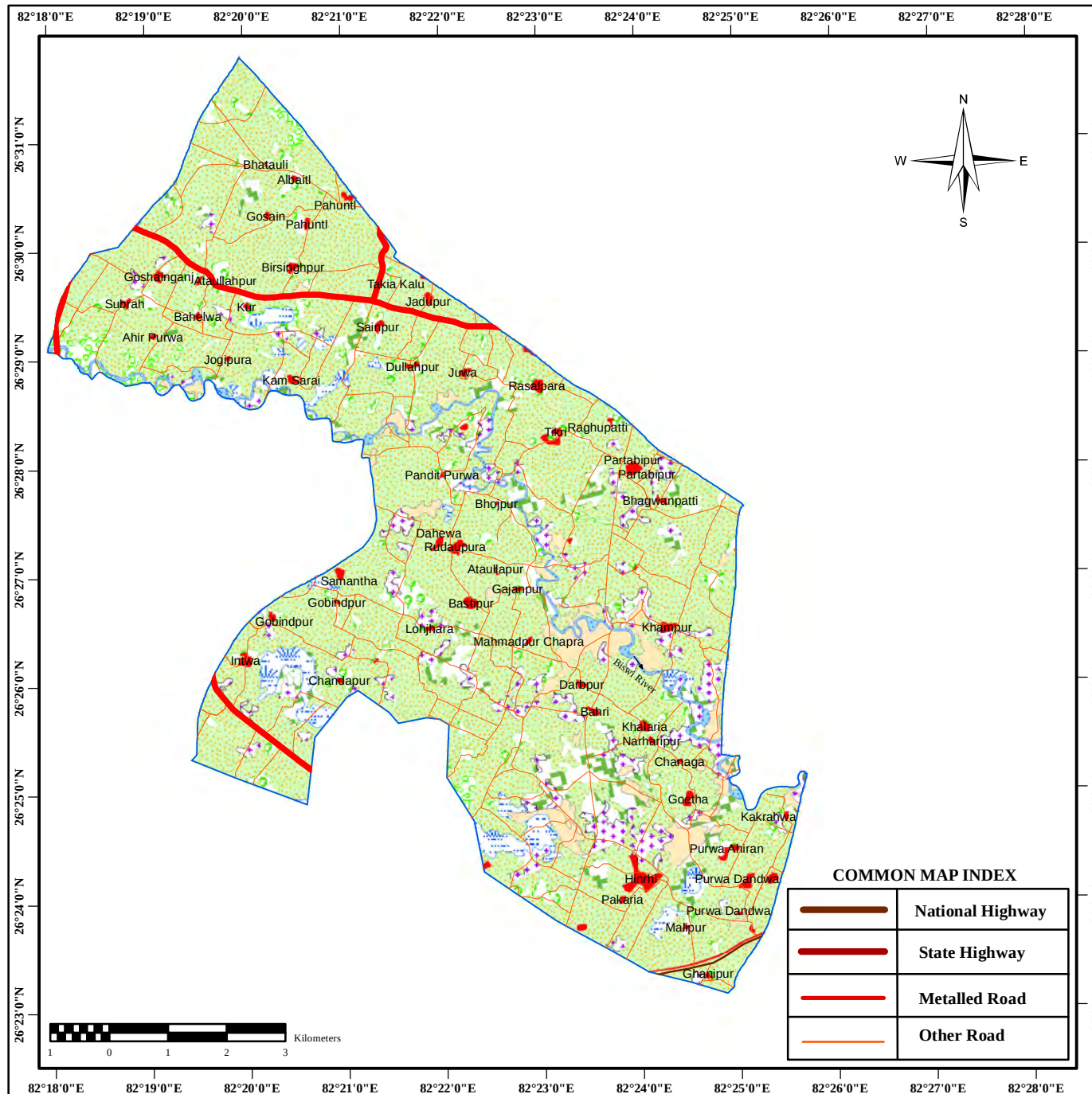
SYMBOL	DESCRIPTION
	Built up land
	River/Stream/Drain
	Reservoir/Tanks
	Waterlogged
	Salt Affected Land
	Fallow Land
	Scrub Land (Dense)
	Scrub Land (Open)
	Crop Land
	Agricultural Plantation
	Project Area



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LITHOLOGY AND STRUCTURE MAP

AMBEDKAR NAGAR DISTRICT, UTTAR PRADESH

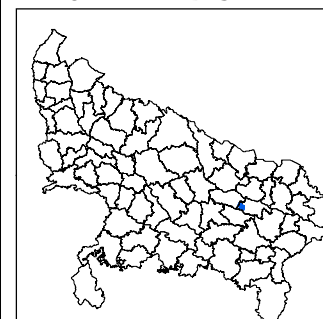
CODE - IWMP (2011-12) - IV

LEGEND

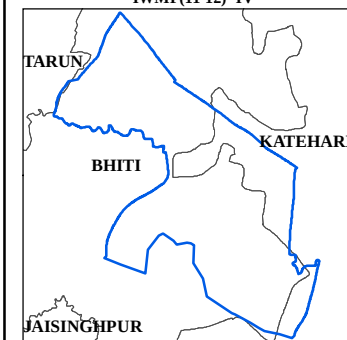
SYMBOL	DESCRIPTION
	Brownish yellow silt and clay with kankar and micaceous sand
	Grey micaceous fine-coarse grained immature sand, silt & clay
	Project Area

LOCATION INFORMATION

UTTAR PRADESH

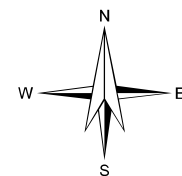
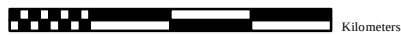


AMBEDKAR NAGAR DISTRICT IWMP(11-12)- IV



COMMON MAP INDEX

	City / Village
	Railway
	National Highway
	State Highway
	Metalled Road
	Other Road
	River / Stream
	Water Bodies
	Canal



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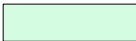
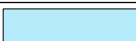
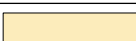
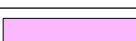
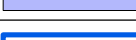
SECTOR-G, JANKIPURAM,
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UTTAR PRADESH - 226021

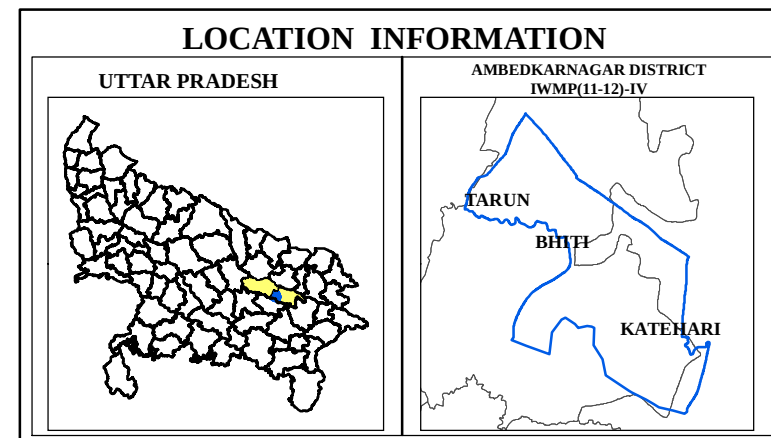
MICRO - WATERSHED MAP

AMBEDKARNAGAR, UTTAR PRADESH

CODE - IWMP (2011-12) - IV

LEGEND

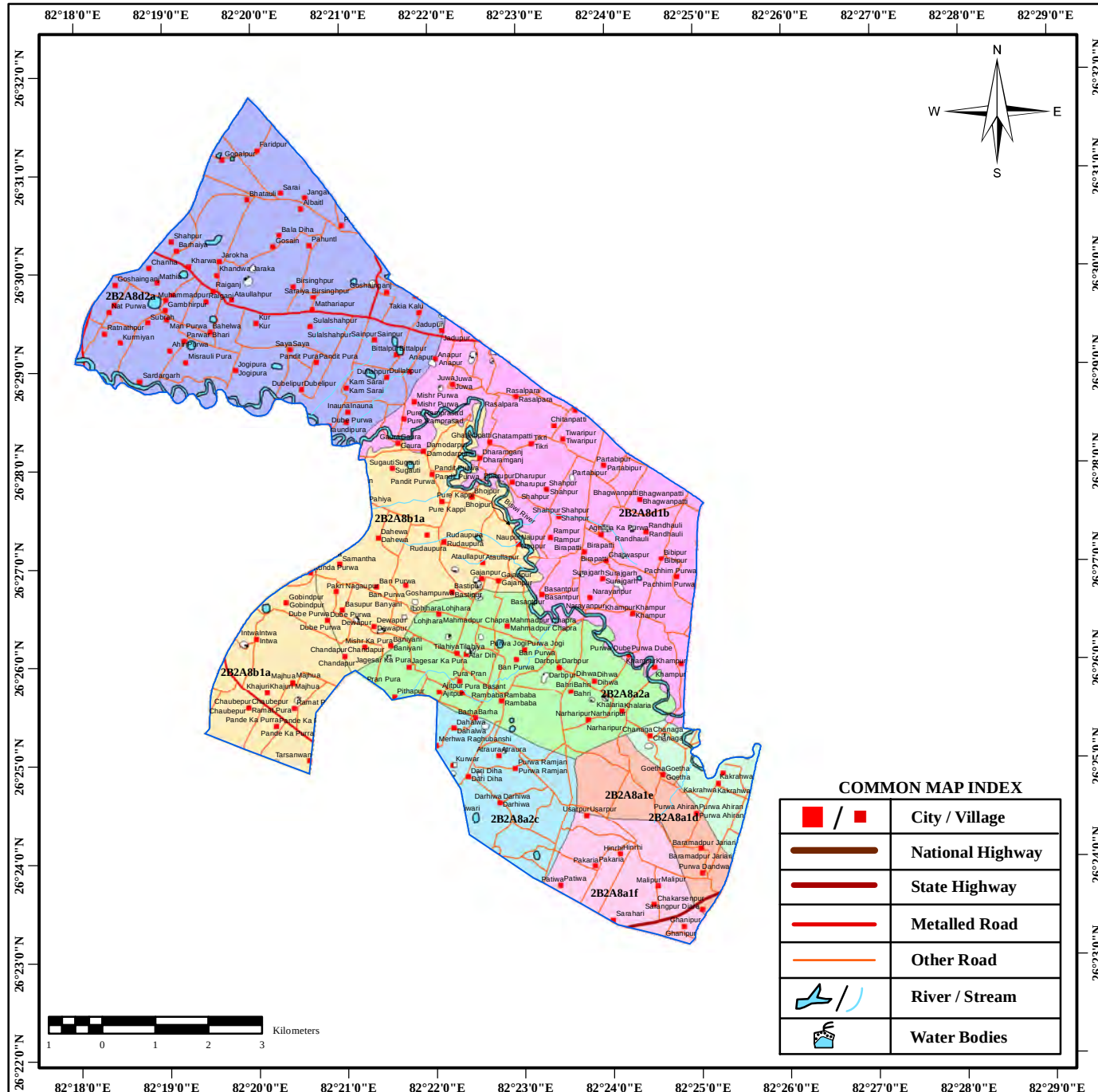
SYMBOL	DESCRIPTION
	2B2A8a1d
	2B2A8a1e
	2B2A8a1f
	2B2A8a2a
	2B2A8a2c
	2B2A8b1a
	2B2A8d1b
	2B2A8d2a
	Project Area



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REMOTE SENSING APPLICATIONS CENTRE- U.P.
SECTOR-G, JANKIPURAM,
KURSI ROAD, LUCKNOW,
UTTAR PRADESH - 226021



NORMALIZED DIFFERENCE VEGETATION INDEX (NDVI) MAP

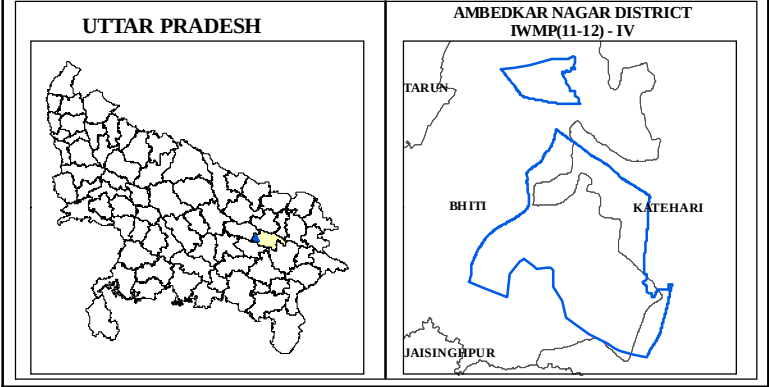
AMBEDKAR NAGAR DISTRICT, UTTAR PRADESH

CODE - IWMP (2011-12) - IV

LEGEND

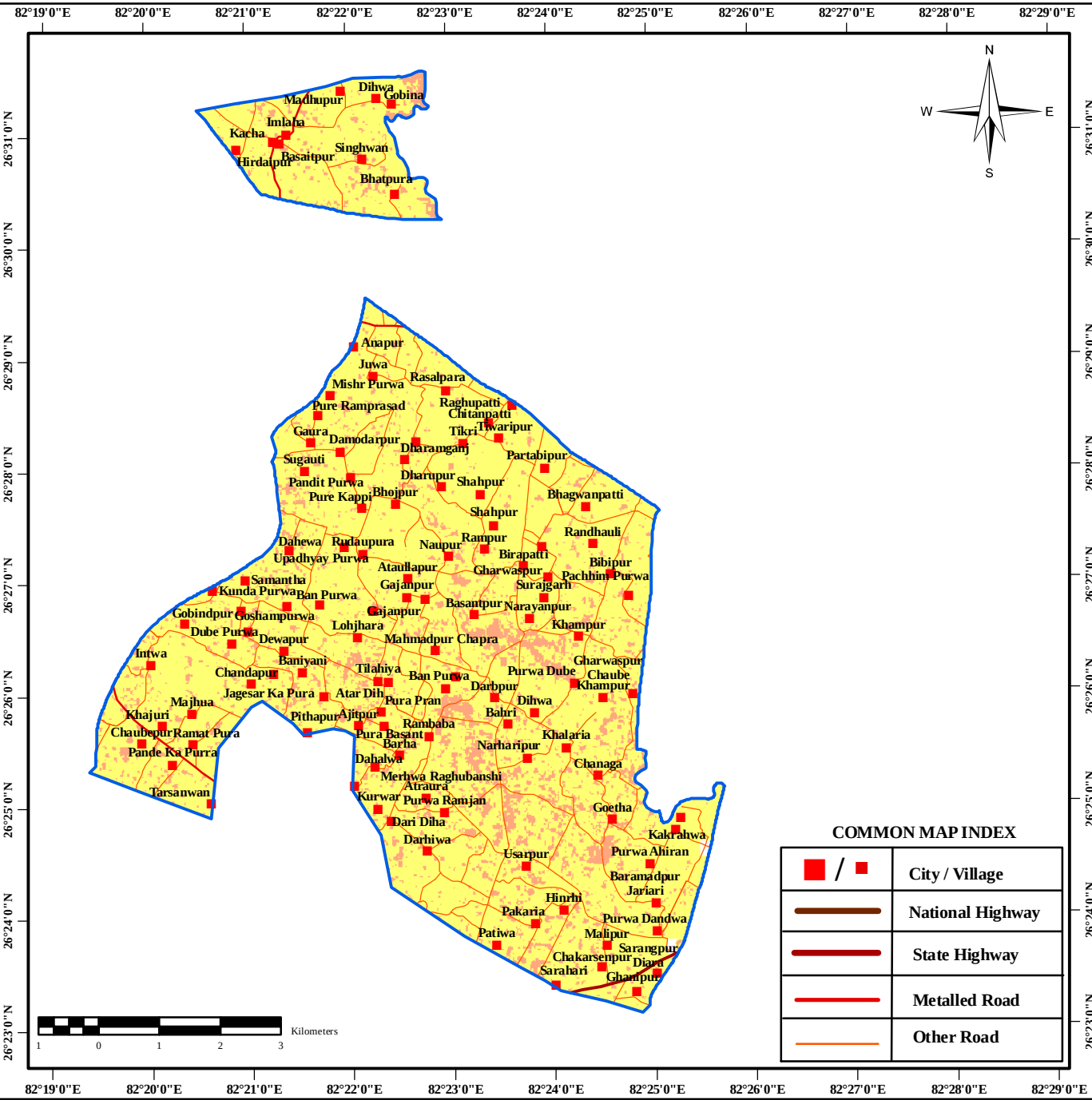
SYMBOL	RANGE OF NDVI	DESCRIPTION
	-1.00 - 0.25	Other Land use Categories
	0.26 - 0.50	Agriculture Land
	0.51 - 1.00	Forest/ Plantation
	Project Area	

LOCATION INFORMATION



COMMON MAP INDEX

 / 	City / Village
	National Highway
	State Highway
	Metalled Road
	Other Road



PREPARED BY



SURFACE WATER RESOURCE DIVISION
REMOTE SENSING APPLICATIONS CENTRE- U.P.
SECTOR-G, JANKIPURAM,
KURSI ROAD, LUCKNOW,
UTTAR PRADESH - 226021

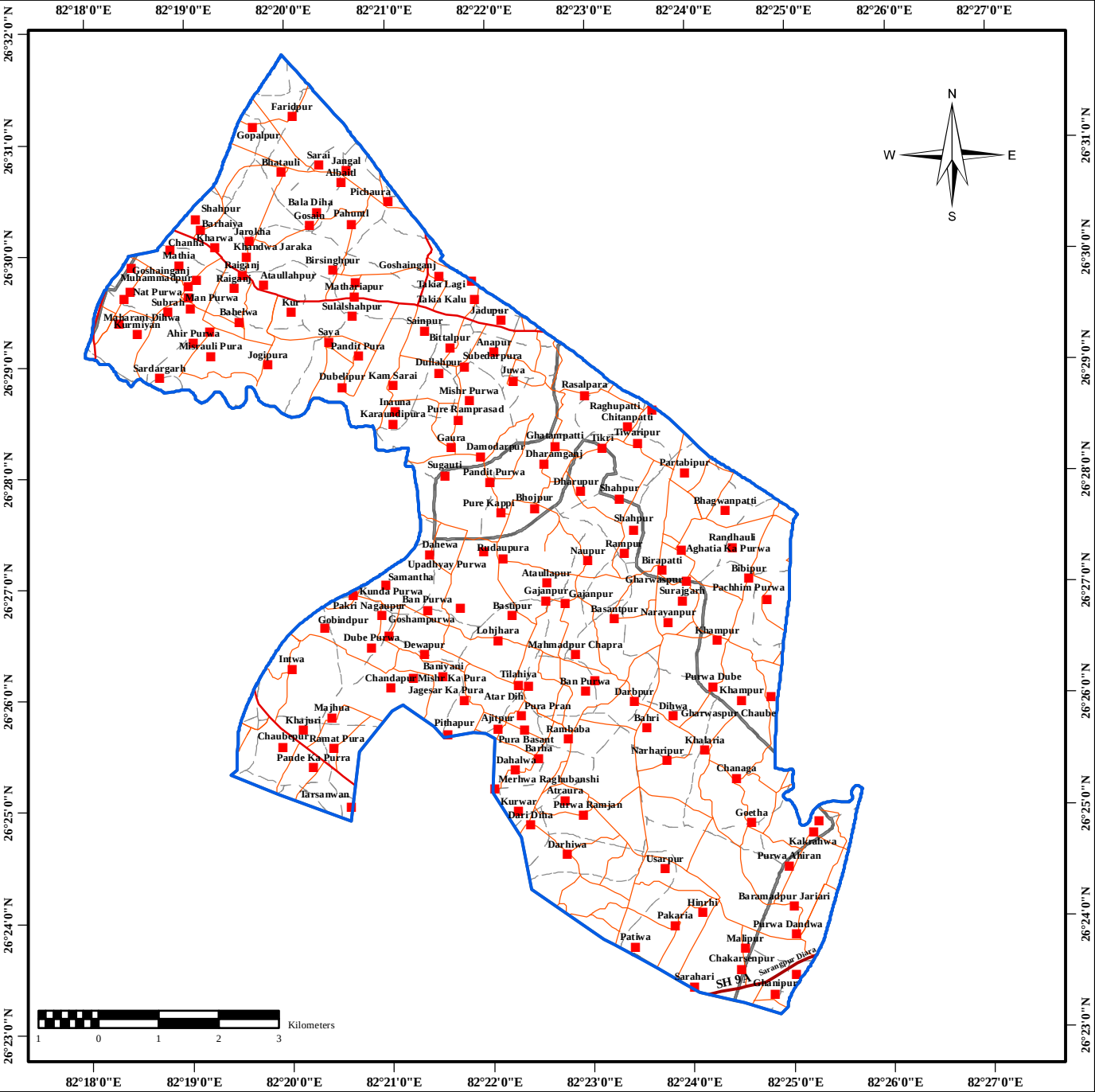
REVENUE VILLAGE BOUNDARIES & TRANSPORT NETWORK MAP

AMBEDKAR NAGAR DISTRICT, UTTAR PRADESH

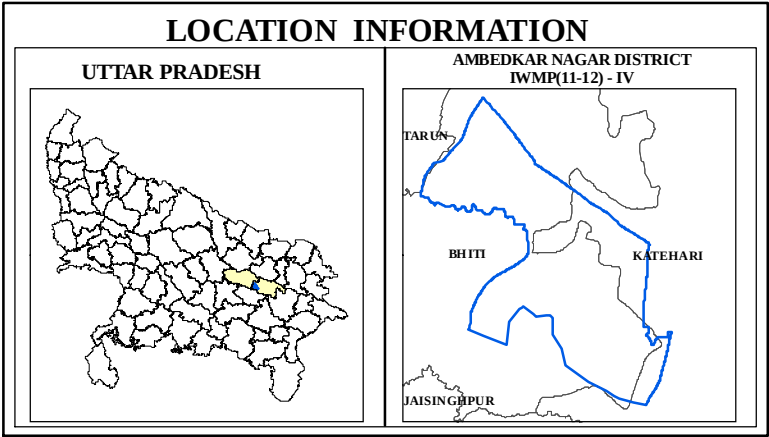
CODE - IWMP (2011-12) - IV

LEGEND

SYMBOL	DESCRIPTION
■ / ■	City / Village
—	National Highway
—	State Highway
—	Metalled Road
—	Other Road
—	Railway
- - -	Village Boundary
—	Block Boundary
□	Project Area



LOCATION INFORMATION



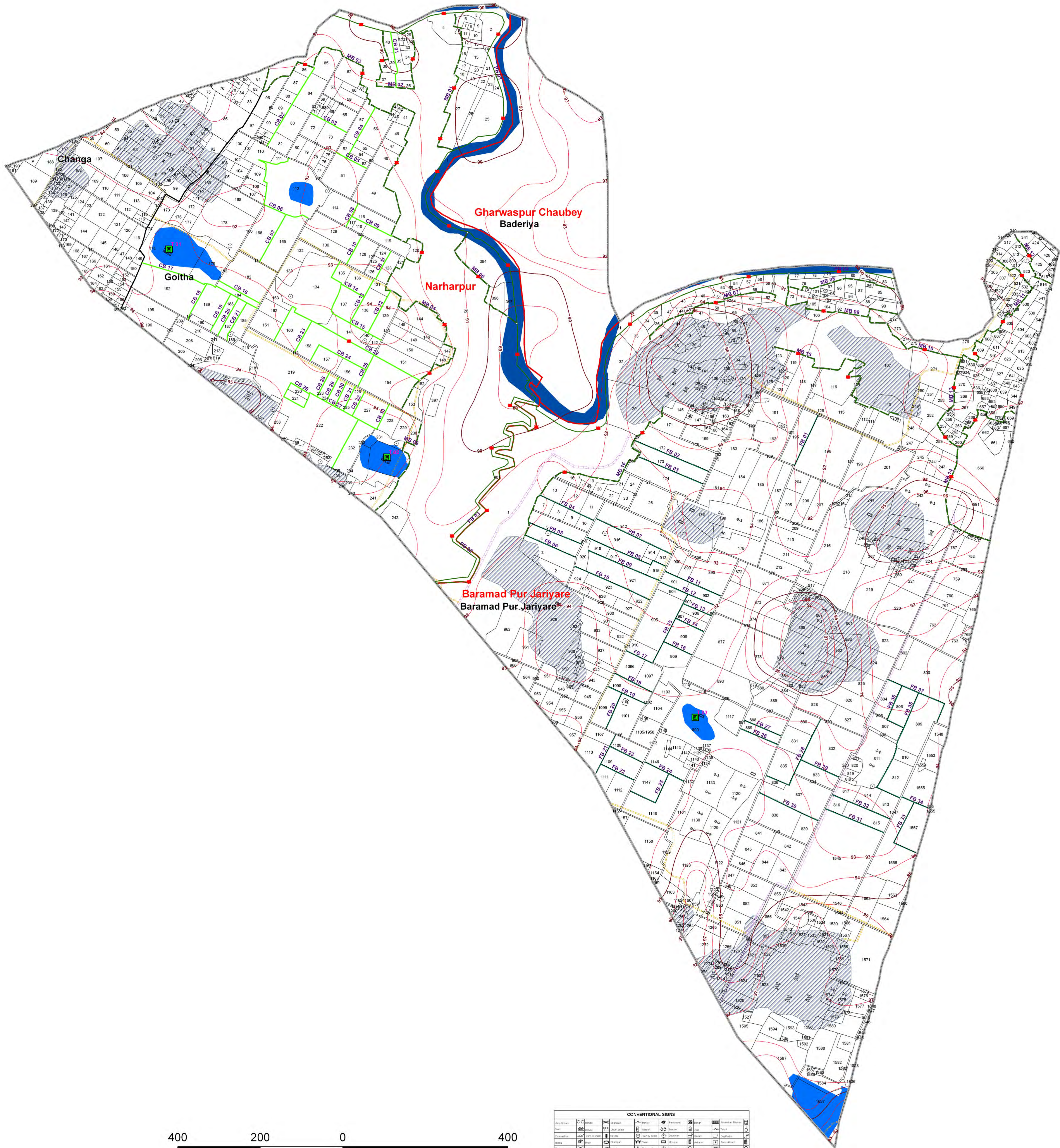
PREPARED BY

SURFACE WATER RESOURCE DIVISION
REMOTE SENSING APPLICATIONS CENTRE - U.P.
SECTOR-G, JANKIPURAM,
KURSI ROAD, LUCKNOW,
UTTAR PRADESH - 226021



PLAN MAP

OFFICE- B. S. A., L. D. W. R. DEPARTMENT
IWMP - IV, DISTRICT - AMBEDKAR NAGAR
MWS CODE - 2B2A8a1d
MWS NAME -

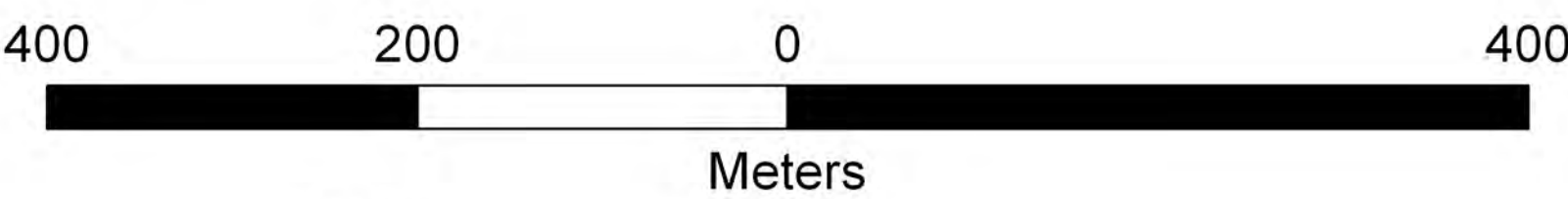


Legend

- M WS Boundary
- GP Boundary
- Village Boundary
- Cadestral Plots
- Major Road
- Minor Road
- Canal
- River/Drain
- Ponds
- Settlement
- Slope Direction
- Contour (1 M interval)

Proposed Structures

- Chute Spillway
- Tank
- Contour Bund
- Field Bund
- Marginal Bund
- Peripheral Bund



CONVENTIONAL SIGNS	
...	...

M WS CODE	BLOCK	GRAM PUNCHAYAT	VILLAGE NAME	AREA (ha)
2B2A8a1d	Bhiti	Narharpur	Changa	14.78
		Narharpur	Goitha	83.31
	Katehari	Baramad Pur Jariyare	Baramad Pur Jariyare	173.58
		Gharwaspur Chaubey	Baderiya	21.26
	TOTAL GEOGRAPHICAL AREA			292.93
	TOTAL TREATABLE AREA			

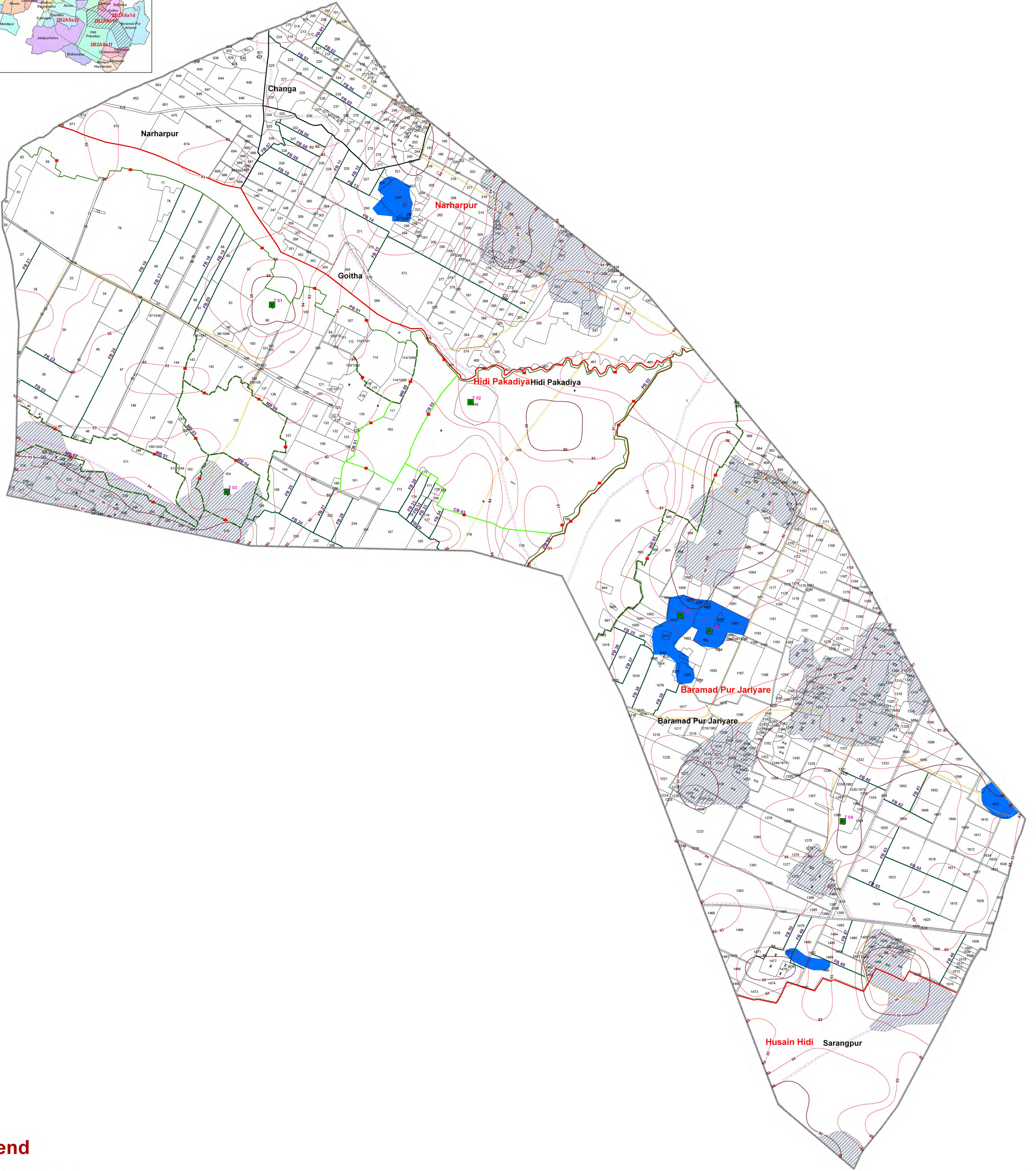
APPROVAL TABLE

OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR		
SURVEYED BY	PLANNED BY	PREPARED BY
A.S.C.I./J.E.	S.C.I./J.E.	TRACER/D. MAN
APPROVED BY	CHECKED BY	TECHNICALLY APPROVED BY
B.S.A.	T.O.	D.D.





P L A N M A P
OFFICE- B. S. A., L. D. W. R. DEPARTMENT
IWMP - IV, DISTRICT - AMBEDKAR NAGAR
MWS CODE - 2B2A8a1e
MWS NAME -



Legend

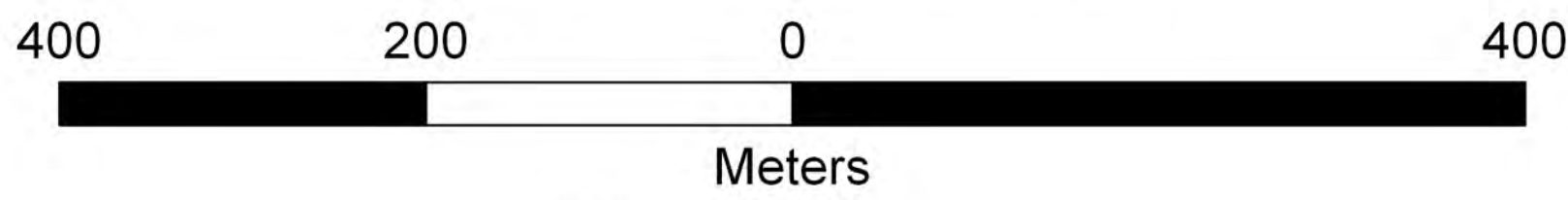
- M WS Boundary
- GP Boundary
- Village Boundary
- Cadastral Plots
- Major Road
- Minor Road
- Canal
- River/Drain
- Ponds
- Settlement
- Slope Direction
- Contour (1 M interval)

Proposed Structures

- Chute Spillway
- Tank
- Contour Bund
- Field Bund
- Marginal Bund
- Peripheral Bund



CONVENTIONAL SIGNS											
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60



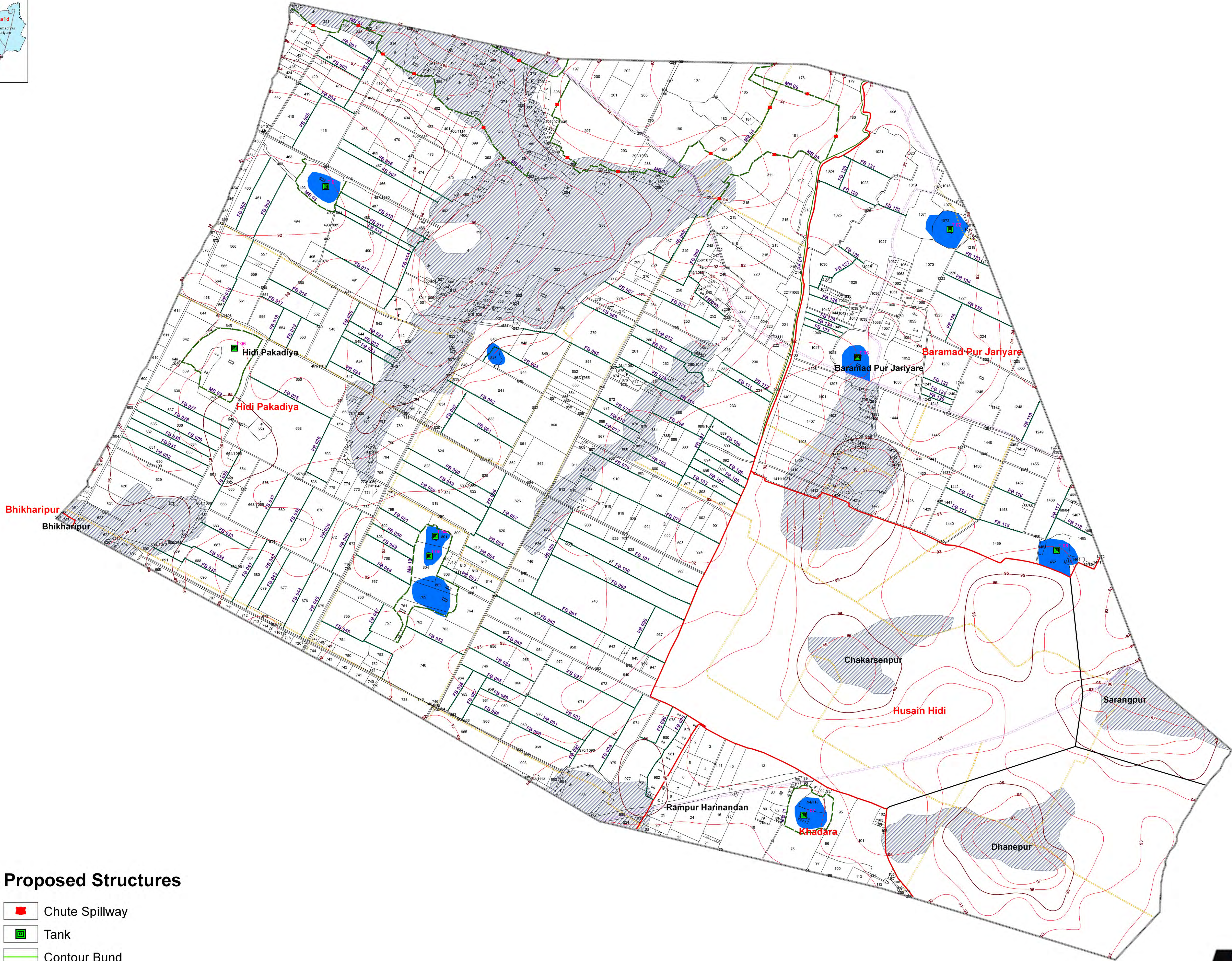
M WS CODE	BLOCK	GRAM PUNCHAYAT	VILLAGE NAME	AREA (ha)
2B2A8a1e	Bhiti	Hidi Pakadiya	Hidi Pakadiya	142.76
		Changa	Changa	13.26
		Narharpur	Goitha	52.53
		Narharpur	Narharpur	14.17
	Katehari	Baramad Pur Jariyare	Baramad Pur Jariyare	141.13
		Husain Hidi	Sarangpur	20.76
TOTAL GEOGRAPHICAL AREA				384.60
TOTAL TREATABLE AREA				

APPROVAL TABLE		
OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR		
SURVEYED BY	PLANNED BY	PREPARED BY
A.S.C.I./J.E.	S.C.I./J.E.	TRACER/D. MAN
APPROVED BY	CHECKED BY	TECHNICALLY APPROVED BY
B.S.A.	T.O.	D.D.



PLAN MAP

OFFICE- B. S. A., L. D. W. R. DEPARTMENT
IWMP - IV, DISTRICT - AMBEDKAR NAGAR
MWS CODE - 2B2A8a1f
MWS NAME -

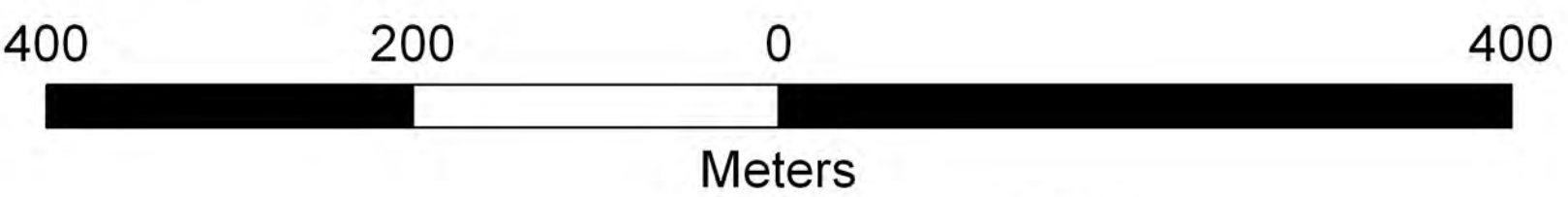


Legend

- M WS Boundary
- GP Boundary
- Village Boundary
- Cadastral Plots
- Major Road
- Minor Road
- Canal
- River/Drain
- Ponds
- Settlement
- Slope Direction
- Contour (1 M interval)

Proposed Structures

- Chute Spillway
- Tank
- Contour Bund
- Field Bund
- Marginal Bund
- Peripheral Bund



CONVENTIONAL SIGNS	
	MWS Boundary
	GP Boundary
	Village Boundary
	Cadastral Plots
	Major Road
	Minor Road
	Canal
	River/Drain
	Ponds
	Settlement
	Slope Direction
	Contour (1 M interval)
	Chute Spillway
	Tank
	Contour Bund
	Field Bund
	Marginal Bund
	Peripheral Bund

M WS CODE	BLOCK	GRAM PUNCHAYAT	VILLAGE NAME	AREA (ha)
2B2A8a1f	Bhiti	Hidi Pakadiya	Hidi Pakadiya	274.66
		Baramad Pur Jariyare	Baramad Pur Jariyare	62.56
		Bhikharipur	Bhikharipur	0.09
	Katehari	Husain Hidi	Chakarsenpur	65.75
		Husain Hidi	Dhanapur	30.55
		Husain Hidi	Sarangpur	11.12
		Khadara	Rampur Harinandan	15.72
	TOTAL GEOGRAPHICAL AREA			460.45
	TOTAL TREATABLE AREA			

APPROVAL TABLE

OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR		
SURVEYED BY	PLANNED BY	PREPARED BY
A.S.C.I./J.E.	S.C.I./J.E.	TRACER/D. MAN
APPROVED BY	CHECKED BY	TECHNICALLY APPROVED BY
B.S.A.	T.O.	D.D.





PLAN MAP

OFFICE- B. S. A., L. D. W. R. DEPARTMENT
IWMP - IV, DISTRICT - AMBEDKAR NAGAR
MWS CODE - 2B2A8a2a
MWS NAME -

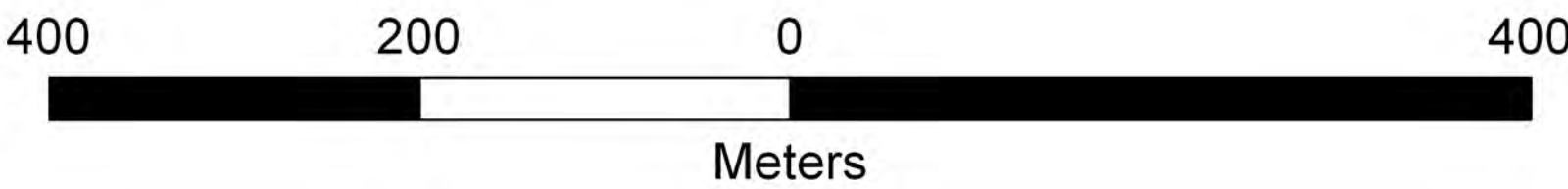


M WS CODE	BLOCK	GRAM PUNCHAYAT	VILLAGE NAME	AREA (ha)
2B2A8a2a	Bhiti	Atrora	Atrora	100.95
		Basupur Baniyani	Bastipur	2.07
		Basupur Baniyani	Basupur Baniyani	99.75
		Chandapur	Chandapur	10.39
		Hidi Pakadiya	Hidi Pakadiya	5.36
		Lohazara	Attaulapur1	0.24
		Lohazara	Lohazara	105.39
		Lohazara	Rajanpur	18.34
		Mohmadpur Chapra	Atardeeha	56.06
		Mohmadpur Chapra	Mohmadpur Chapra	103.37
		Mohmadpur Chapra	Varaha	55.80
		Narharpur	Ahrihid	109.23
		Narharpur	Bahari	65.21
		Narharpur	Changa	21.04
		Narharpur	Darbarpur	48.68
		Narharpur	Gotha	0.67
		Narharpur	Narharpur	207.27
		Pithapur	Pithapur	59.87
		Pithapur	Sahmalpur	0.36
	TOTAL GEOGRAPHICAL AREA			
TOTAL TREATABLE AREA				

Legend

- M WS Boundary
- GP Boundary
- Village Boundary
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- Minor Road
- Canal
- River/Drain
- Ponds
- Settlement
- Slope Direction
- Contour (1 M interval)
- Chute Spillway
- Tank
- Contour Bund
- Field Bund
- Marginal Bund
- Peripheral Bund

Proposed Structures



CONVENTIONAL BOND											
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
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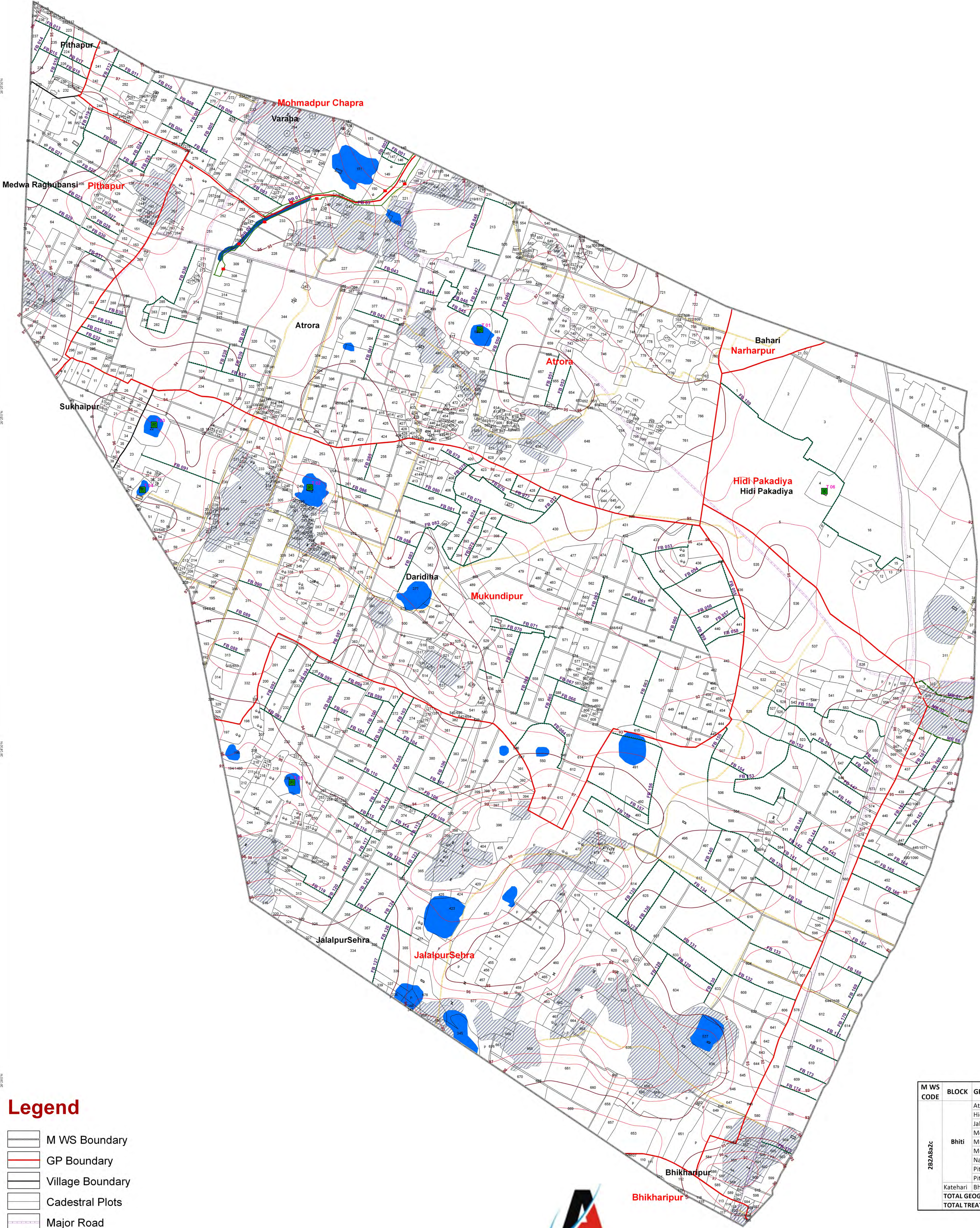


APPROVAL TABLE		
OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR		
SURVEYED BY	PLANNED BY	PREPARED BY
A.S.C.I./J.E.	S.C.I./J.E.	TRACER/D. MAN
APPROVED BY	CHECKED BY	TECHNICALLY APPROVED BY
B.S.A.	T.O.	D.D.



PLAN MAP

OFFICE- B. S. A., L. D. W. R. DEPARTMENT
IWMP - IV, DISTRICT - AMBEDKAR NAGAR
MWS CODE - 2B2A8a2c
MWS NAME -



Legend

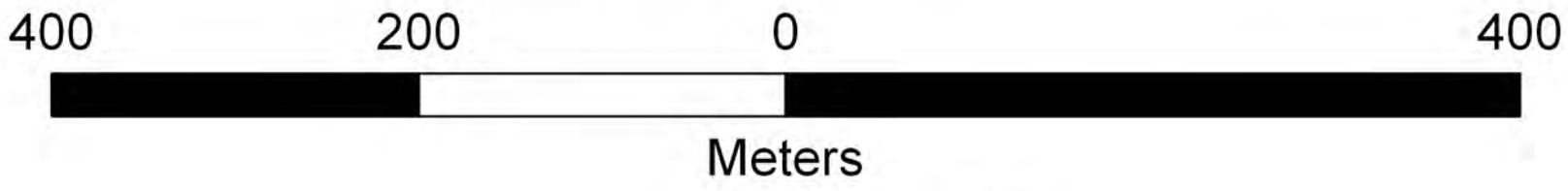
- M WS Boundary
- GP Boundary
- Village Boundary
- Cadastral Plots
- Major Road
- Minor Road
- Canal
- River/Drain
- Ponds
- Settlement
- Slope Direction
- Contour (1 M interval)

Proposed Structures

- Chute Spillway
- Tank
- Field Bund
- Marginal Bund
- Peripheral Bund

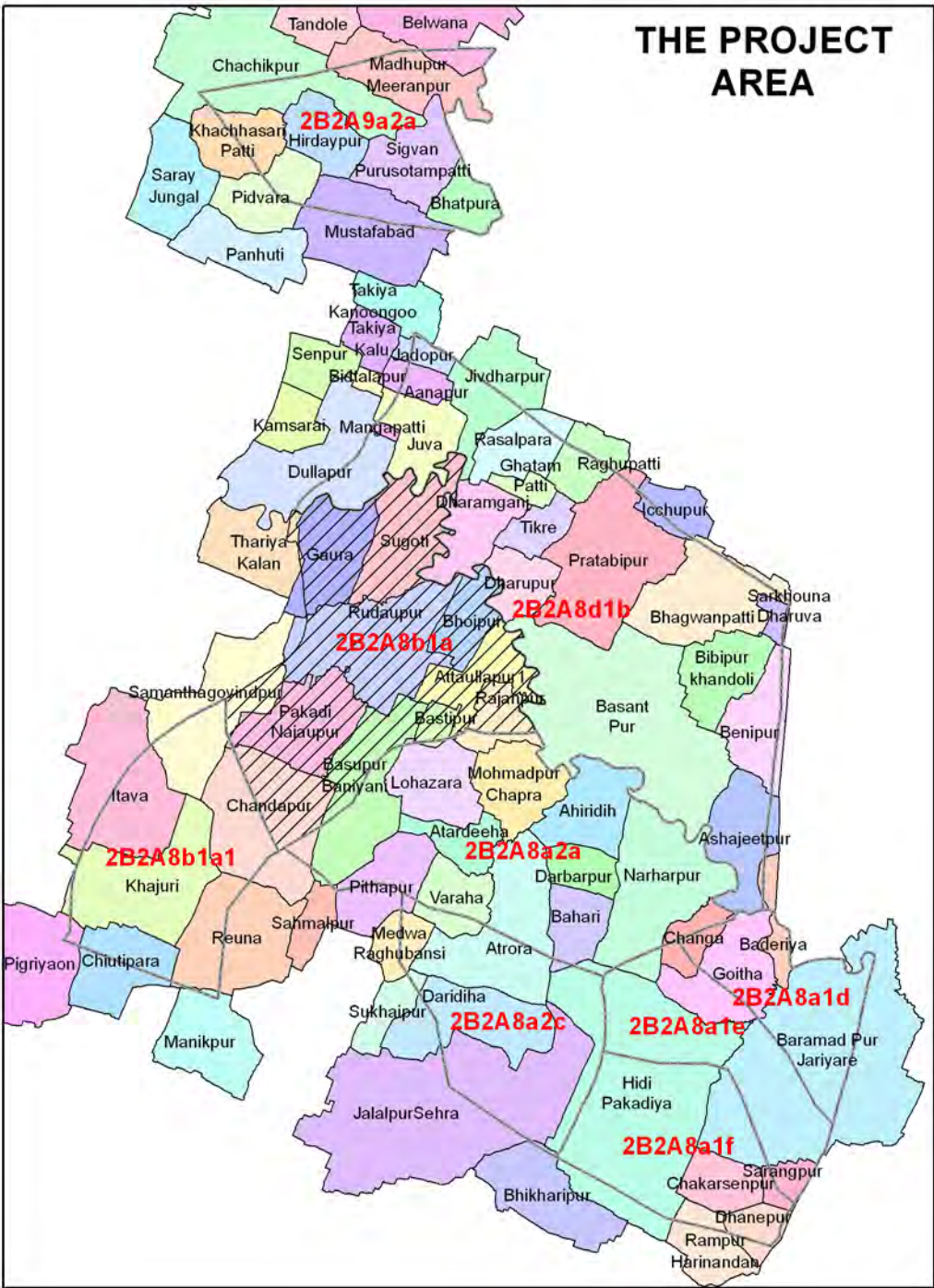


CONVENTIONAL SIGNS											
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117	118	119	120



M WS CODE	BLOCK	GRAM PUNCHAYAT	VILLAGE NAME	AREA (ha)
2B2A8a2c	Bhiti	Atrora	Atrora	113.22
		Hidi Pakadiya	Hidi Pakadiya	76.80
		JalalpurSehra	JalalpurSehra	176.71
		Mohmadpur Chapra	Varaha	19.73
		Mukundipur	Daridha	113.23
	Pithapur	Mukundipur	Sukhaipur	4.09
		Narharipur	Bahari	2.74
		Pithapur	Medwa Raghubansi	21.36
		Pithapur	Pithapur	3.49
		Katehari	Bhikharipur	1.84
	TOTAL GEOGRAPHICAL AREA			533.22
	TOTAL TREATABLE AREA			

APPROVAL TABLE		
OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR		
SURVEYED BY	PLANNED BY	PREPARED BY
A.S.C.I./J.E.	S.C.I./J.E.	TRACER/D. MAN
APPROVED BY	CHECKED BY	TECHNICALLY APPROVED BY
B.S.A.	T.O.	D.D.



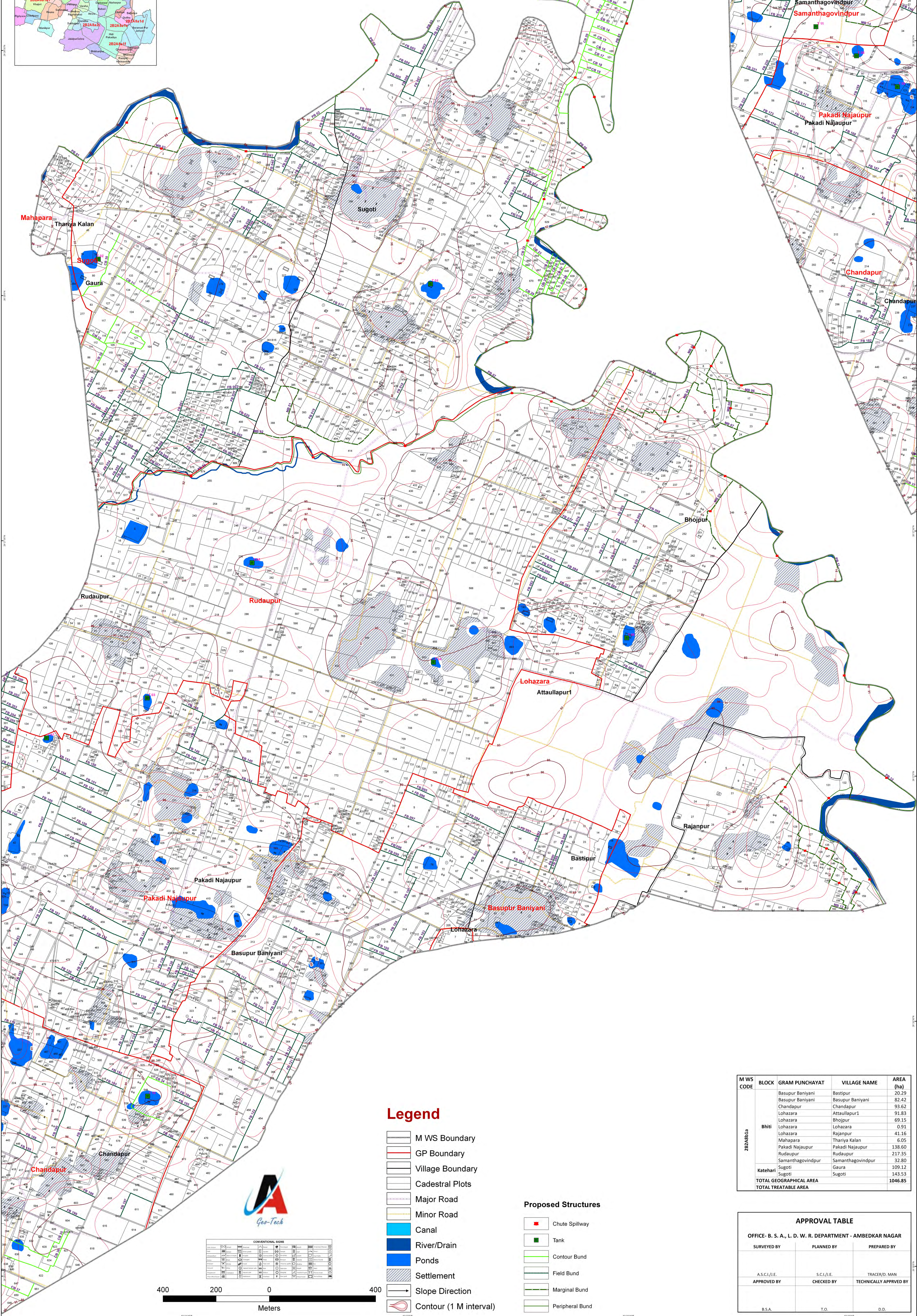
P L A N M A P

OFFICE- B. S. A., L. D. W. R. DEPARTMENT

IWMP - IV, DISTRICT - AMBEDKAR NAGAR

MWS CODE - 2B2A8b1a

MWS NAME -



Legend

- M WS Boundary
- GP Boundary
- Village Boundary
- Cadestral Plots
- Major Road
- Minor Road
- Canal
- River/Drain
- Ponds
- Settlement
- Slope Direction
- Contour (1 M interval)

Proposed Structures

- Chute Spillway
- Tank
- Contour Bund
- Field Bund
- Marginal Bund
- Peripheral Bund

CONVENTIONAL SIGNS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

M WS CODE	BLOCK	GRAM PUNCHAYAT	VILLAGE NAME	AREA (ha)
2B2A8b1a	Bhiti	Basupur Baniyani	Bastipur	20.29
		Basupur Baniyani	Basupur Baniyani	82.42
		Chandapur	Chandapur	93.62
		Lohazara	Attaulapur1	91.83
		Lohazara	Bhojpur	69.15
		Lohazara	Lohazara	0.91
		Lohazara	Rajanpur	41.16
		Mahapara	Thariya Kalan	6.05
		Pakadi Najaupur	Pakadi Najaupur	138.60
		Rudapur	Rudapur	217.35
	Katehari	Samanthagovindpur	Samanthagovindpur	32.80
		Sugoti	Gaura	109.12
		Sugoti	Sugoti	143.53
TOTAL GEOGRAPHICAL AREA				1046.85
TOTAL TREATABLE AREA				

APPROVAL TABLE

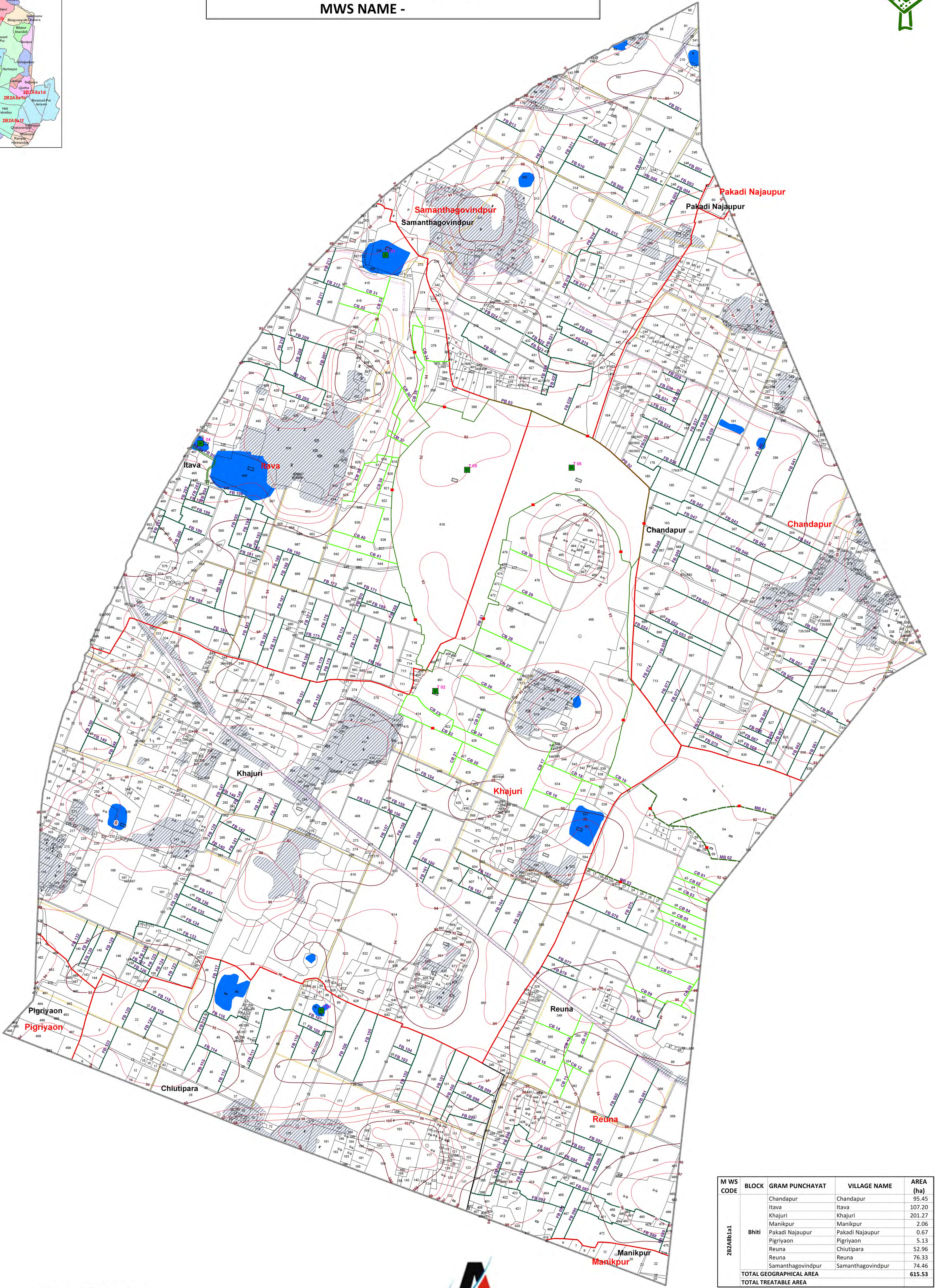
OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR

SURVEYED BY	PLANNED BY	PREPARED BY
ASCI/I.E.	SCI/I.E.	TRACER/D. MAN
APPROVED BY	CHECKED BY	TECHNICALLY APPROVED BY
B.S.A.	T.O.	D.D.



PLAN MAP

OFFICE- B. S. A., L. D. W. R. DEPARTMENT
IWMP - IV, DISTRICT - AMBEDKAR NAGAR
MWS CODE - 2B2A8b1a1
MWS NAME -



Legend

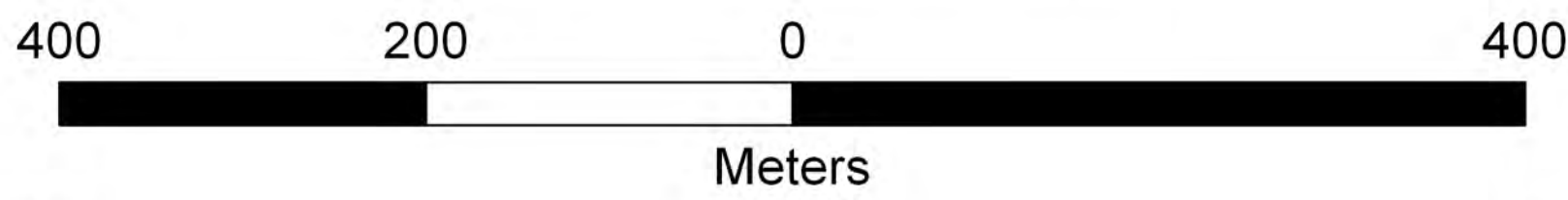
- M WS Boundary
- GP Boundary
- Village Boundary
- Cadastral Plots
- Major Road
- Minor Road
- Canal
- River/Drain
- Ponds
- Settlement
- Slope Direction
- Contour (1 M interval)

Proposed Structures

- Chute Spillway
- Tank
- Contour Bund
- Field Bund
- Marginal Bund
- Peripheral Bund



CONVENTIONAL SIGNS											
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117	118	119	120



M WS CODE	BLOCK	GRAM PUNCHAYAT	VILLAGE NAME	AREA (ha)
2B2A8b1a1	Bhiti	Chandapur	Chandapur	95.45
		Itava	Itava	107.20
		Khajuri	Khajuri	201.27
		Manikpur	Manikpur	2.06
		Pakadi Najaupur	Pakadi Najaupur	0.67
		Pigriyaon	Pigriyaon	5.13
		Reuna	Chitupara	52.96
		Reuna	Reuna	76.33
		Samanthagovindpur	Samanthagovindpur	74.46
		TOTAL GEOGRAPHICAL AREA		
TOTAL TREATABLE AREA				

APPROVAL TABLE		
OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR		
SURVEYED BY	PLANNED BY	PREPARED BY
A.S.C.I./J.E.	S.C.I./J.E.	TRACER/D. MAN
APPROVED BY	CHECKED BY	TECHNICALLY APPROVED BY
B.S.A.	T.O.	D.D.



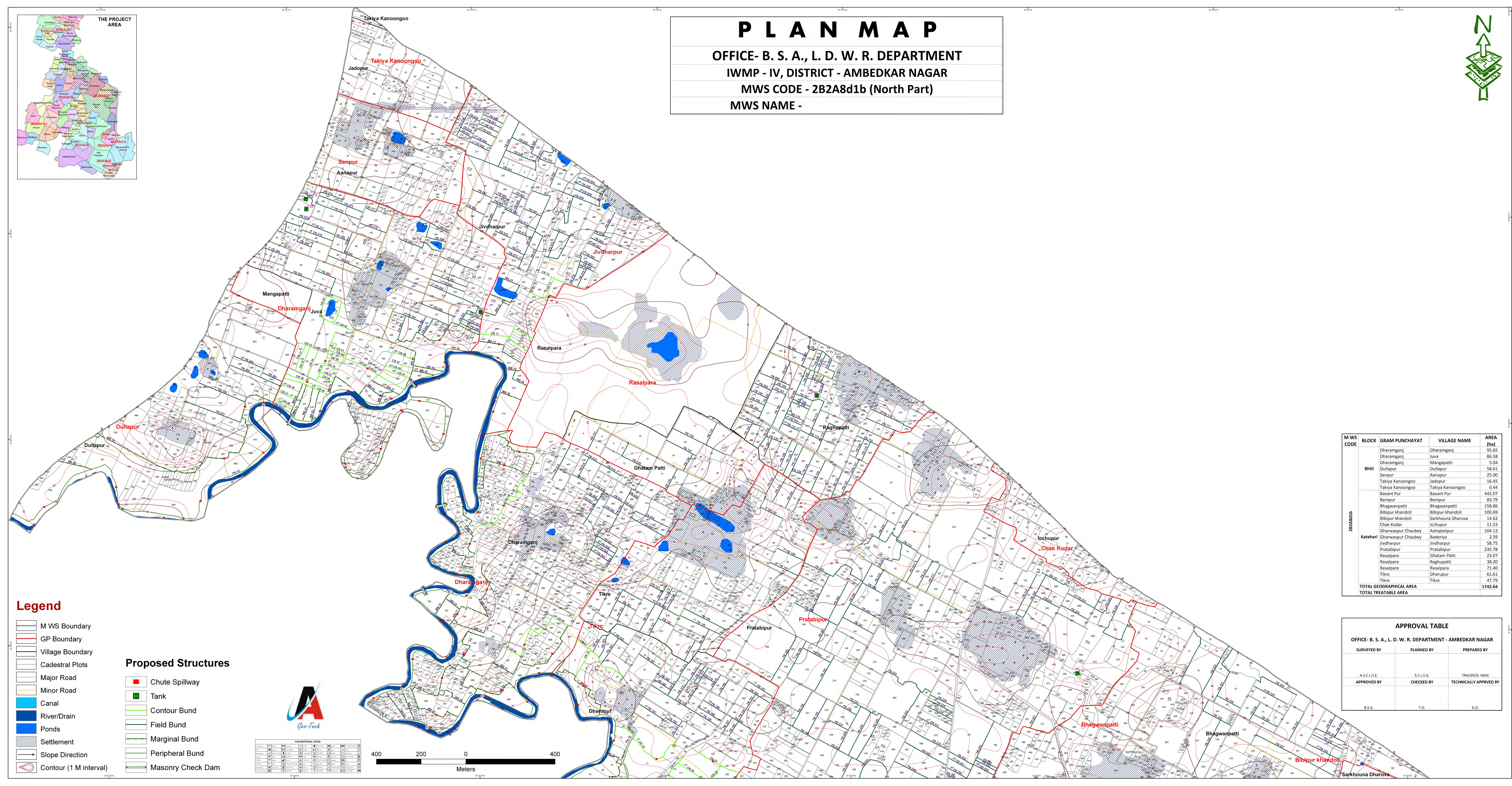
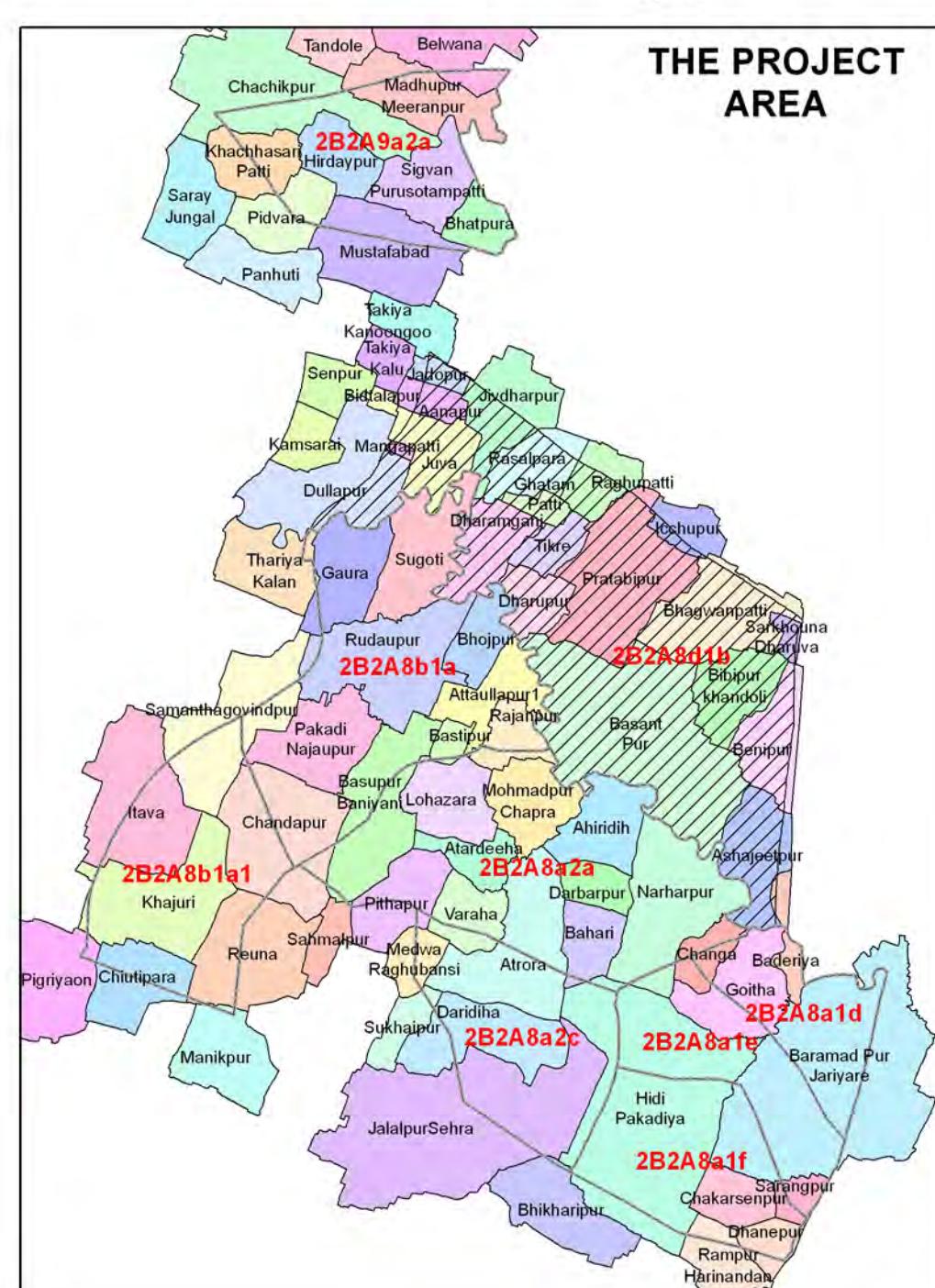
PLAN MAP

OFFICE- B. S. A., L. D. W. R. DEPARTMENT

IWMP - IV, DISTRICT - AMBEDKAR NAGAR

MWS CODE - 2B2A8d1b (North Part)

MWS NAME -



M WS CODE	BLOCK	GRAM PUNCHAYAT	VILLAGE NAME	AREA (ha)
2020421b	Bhiti	Dharanganj	Dharanganj	95.65
		Dharanganj	Juva	86.58
		Dharanganj	Mangapatni	5.84
		Dullapur	Dullapur	50.61
		Senpur	Manpur	25.00
		Takiya Kanoongo	Jadpur	0.45
	Kathari	Takiya Kanoongo	Takiya Kanoongo	16.44
		Basant Pur	Basant Pur	442.07
		Benipur	Benipur	83.79
		Bhagwanpatti	Bhagwanpatti	158.86
		Bilipur khondoli	Shikhar Khondoli	100.69
		Bilipur khondoli	Shakhoona Dhurava	14.62
		Chak Kodar	Ichpur	11.53
		Gharaspur Chaubea	Asha/jetpur	104.13
		Gharaspur Chaubea	Baderiya	5.59
		Jivdharpur	Jivdharpur	28.75
TOTAL GEOGRAPHICAL AREA TOTAL TREATABLE AREA	Pratalipur	Pratalipur	235.78	
	Rasalpara	Ghatam Patti	23.07	
	Rasalpara	Raghatpatti	38.20	
	Rasalpara	Dharapur	71.60	
	Tikre	Dharupur	61.41	
	Tikre	Tikre	47.79	

APPROVAL TABLE		
OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR		
SURVEYED BY	PLANNED BY	PREPARED BY
A.S.C./J/E	S.C.I./J/E	TRACER/D. MAN
APPROVED BY	CHECKED BY	TECHNICALLY APPROVED BY

APPROVAL TABLE

OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR

SURVEYED BY

PLANNED BY

PREPARED BY

A.S.C.I./J.E.

S.C.I./J.E.

TRACER/D. MAN

APPROVED BY

CHECKED BY

TECHNICALLY APPROVED

B.S.A.

T.O.

D.D.

Legend

-
- Legend:
- M WS Boundary
 - GP Boundary
 - Village Boundary
 - Cadastral Plots
 - Major Road
 - Minor Road
 - Canal
 - River/Drain
 - Ponds
 - Settlement
 - Slope Direction
 - Contour (1 M interval)

Proposed Structures

- | | |
|---|-------------------|
|  | Chute Spillway |
|  | Tank |
|  | Contour Bund |
|  | Field Bund |
|  | Marginal Bund |
|  | Peripheral Bund |
|  | Masonry Check Dam |

M WS CODE	BLOCK	GRAM PUNCHAYAT	VILLAGE NAME	AREA (ha)
2B2A8d1b	Bhiti	Dharamganj	Dharamganj	95.65
		Dharamganj	Juva	86.58
		Dharamganj	Mangapatti	5.04
		Dullapur	Dullapur	58.61
		Senpur	Aanapur	25.00
	Kathehari	Takiya Kanoongoo	Jadpur	16.45
		Takiya Kanoongoo	Takiya Kanoongoo	0.44
		Basant Pur	Basant Pur	442.07
		Benipur	Benipur	83.79
		Bhagwanpatti	Bhagwanpatti	158.86
		Bibipur khandoli	Bibipur khandoli	100.69
		Bibipur khandoli	Sarkhouna Dharuva	14.62
		Chak Kodar	Ichupur	11.53
		Gharwaspur Chaubey	Ashajeetpur	104.13
		Gharwaspur Chaubey	Baderiya	2.59
		Jivdharpur	Jivdharpur	58.75
		Pratabipur	Pratabipur	235.78
		Rasalpara	Ghatam Patti	23.07
		Rasalpara	Raghuapatti	38.20
Rasalpara	Rasalpara	71.40		
Tikre	Dharupur	61.61		
Tikre	Tikre	47.79		
TOTAL GEOGRAPHICAL AREA				1742.64
TOTAL TREATABLE AREA				

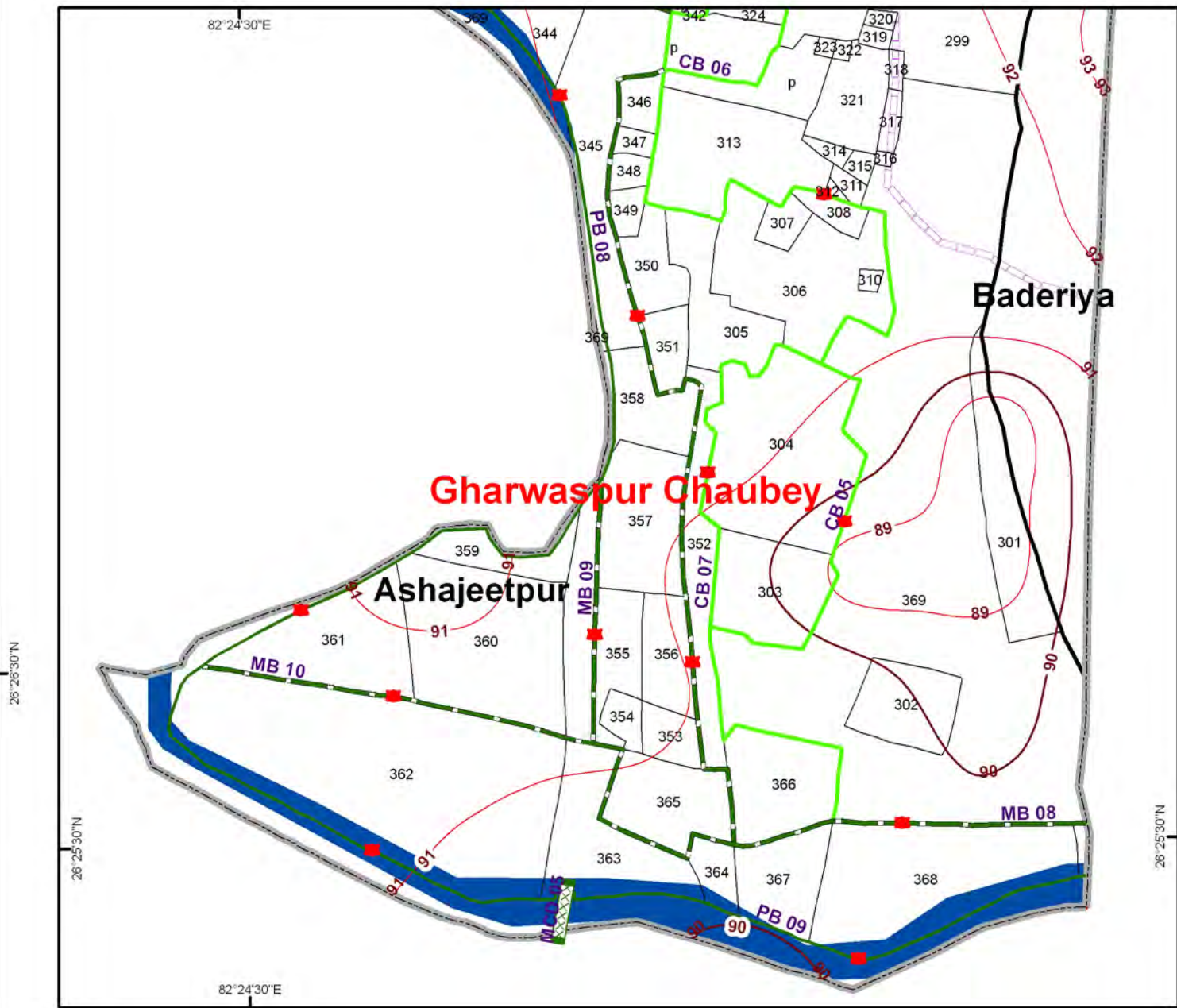
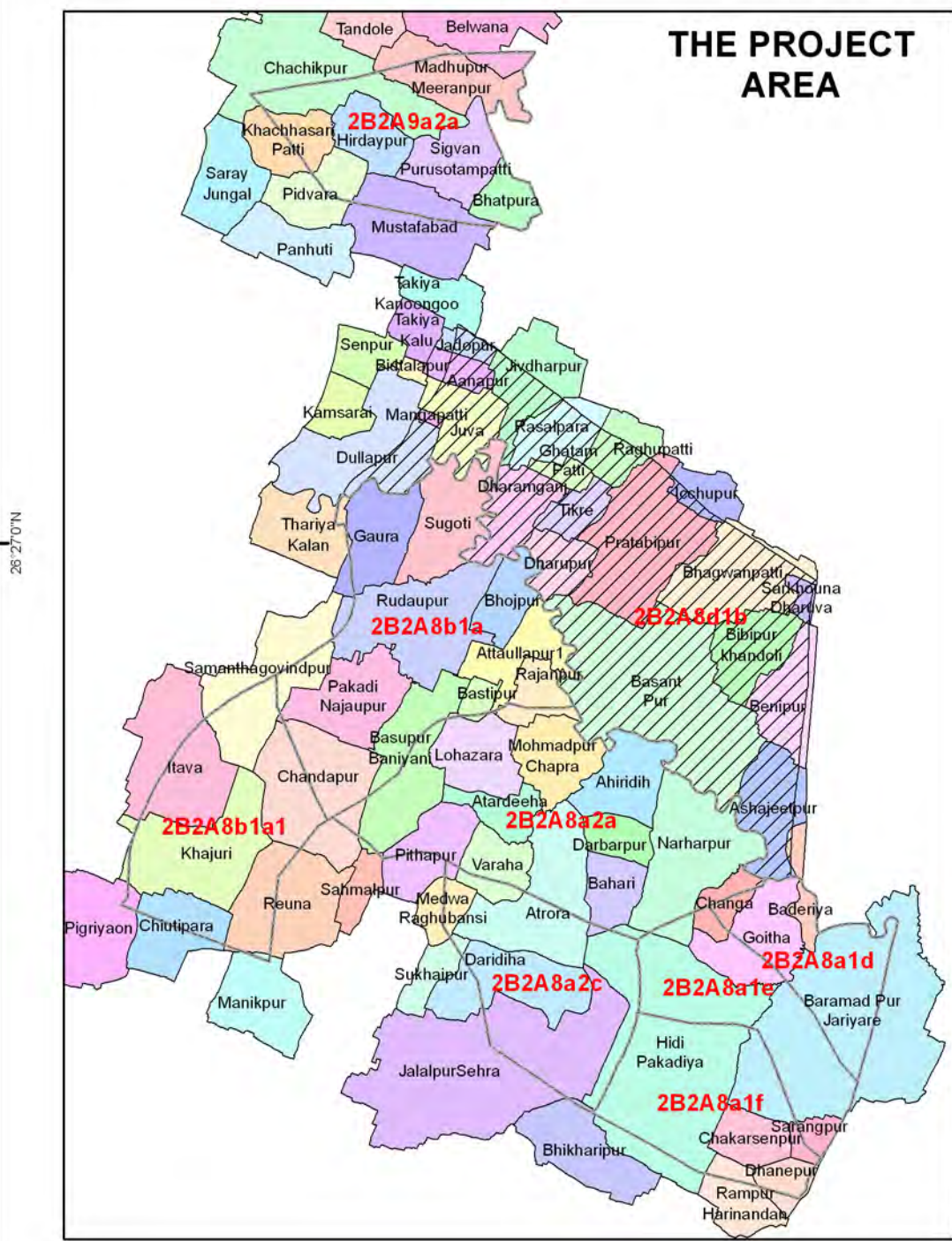
PLAN MAP

OFFICE- B. S. A., L. D. W. R. DEPARTMENT

IWMP - IV, DISTRICT - AMBEDKAR NAGAR

MWS CODE - 2B2A8d1b (South Part)

MWS NAME -



Legend

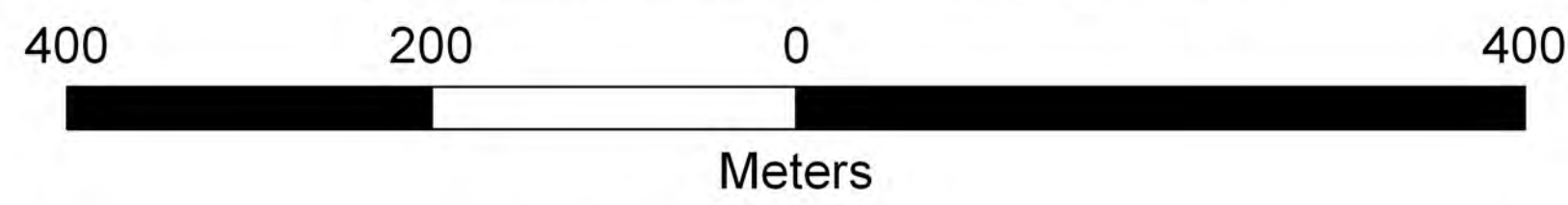
- M WS Boundary
- GP Boundary
- Village Boundary
- Cadstral Plots
- Major Road
- Minor Road
- Canal
- River/Drain
- Ponds
- Settlement
- Slope Direction
- Contour (1 M interval)

Proposed Structures

- Chute Spillway
- Tank
- Contour Bund
- Field Bund
- Marginal Bund
- Peripheral Bund
- Masonry Check Dam



CONVENTIONAL SIGNS									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

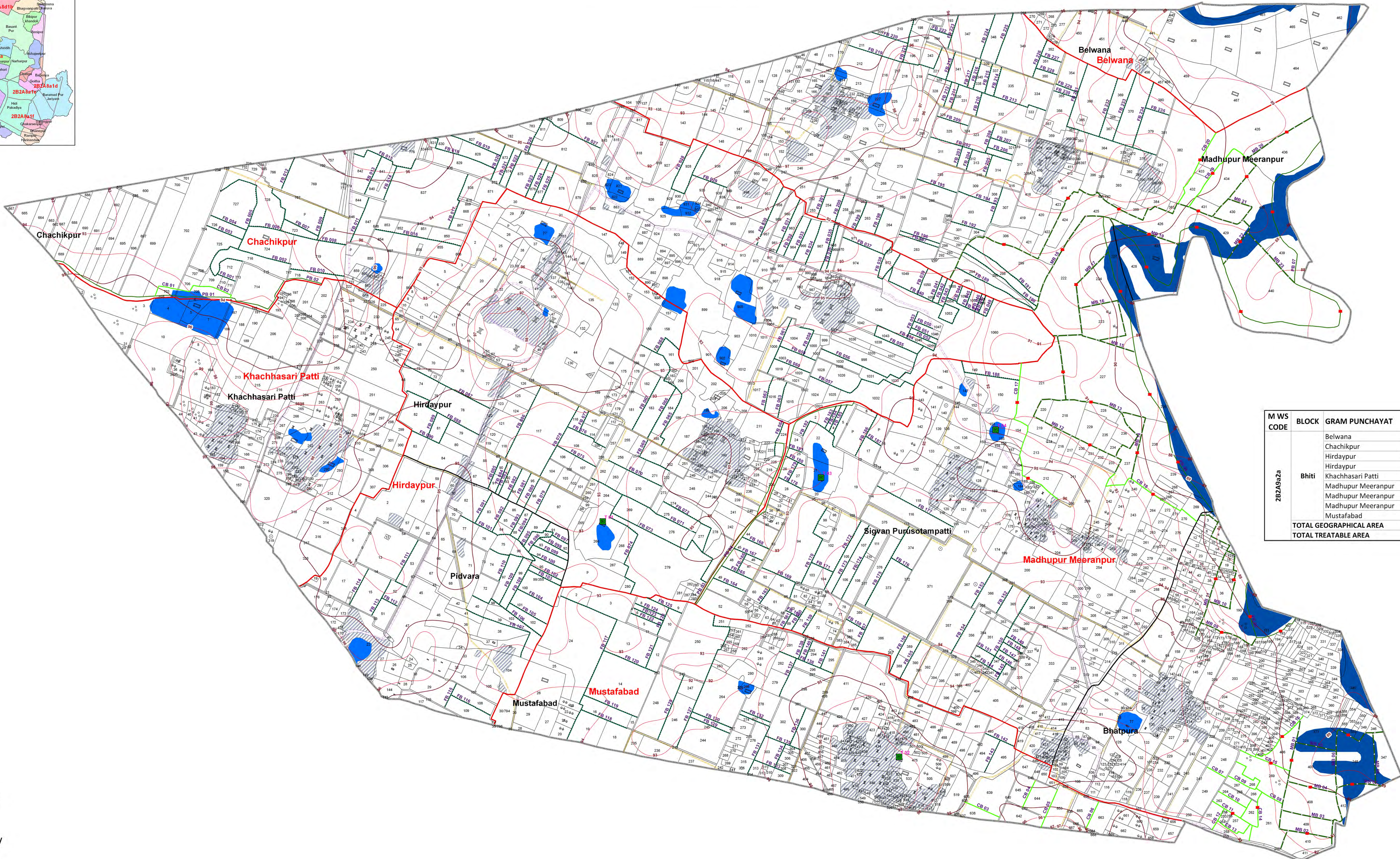


APPROVAL TABLE		
OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR		
SURVEYED BY	PLANNED BY	PREPARED BY
A.S.C.I./J.E.	S.C.I./J.E.	TRACER/D. MAN
APPROVED BY	CHECKED BY	TECHNICALLY APPRVED BY
B.S.A.	T.O.	D.D.



PLAN MAP

OFFICE- B. S. A., L. D. W. R. DEPARTMENT
IWMP - IV, DISTRICT - AMBEDKAR NAGAR
MWS CODE - 2B2A9a2a
MWS NAME -



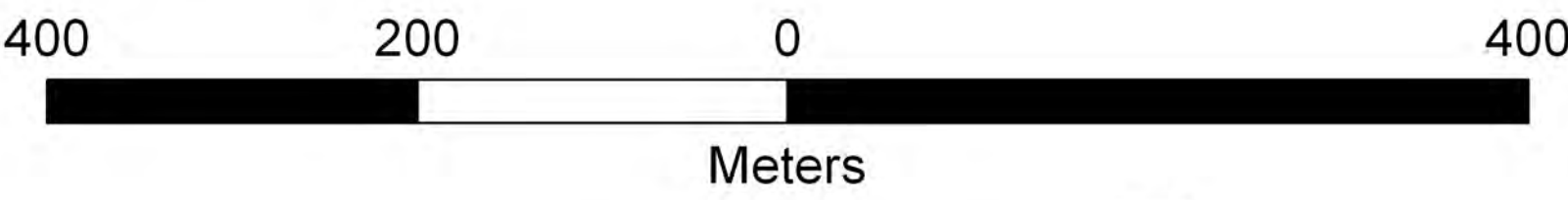
M WS CODE	BLOCK	GRAM PUNCHAYAT	VILLAGE NAME	AREA (ha)
2B2A9a2a		Belwana	Belwana	19.53
		Chachikpur	Chachikpur	106.40
		Hirdaypur	Hirdaypur	77.30
		Pidvara	Pidvara	36.04
	Bhiti	Khachhasari Patti	Khachhasari Patti	43.48
		Madhupur Meeranpur	Bhatpura	51.65
		Madhupur Meeranpur	Madhupur Meeranpur	97.19
		Madhupur Meeranpur	Sigvan Purusotampatti	109.68
		Mustafabad	Mustafabad	60.40
		TOTAL GEOGRAPHICAL AREA		601.66
		TOTAL TREATABLE AREA		

Legend

- M WS Boundary
- GP Boundary
- Village Boundary
- Cadestral Plots
- Major Road
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- River/Drain
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- Settlement
- Slope Direction
- Contour (1 M interval)

Proposed Structures

- Chute Spillway
- Tank
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- Field Bund
- Marginal Bund
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CONVENTIONAL SIGNS	
...	...



APPROVAL TABLE		
OFFICE- B. S. A., L. D. W. R. DEPARTMENT - AMBEDKAR NAGAR		
SURVEYED BY	PLANNED BY	PREPARED BY
A.S.C.I./J.E.	S.C.I./J.E.	TRACER/D. MAN
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B.S.A.	T.O.	D.D.