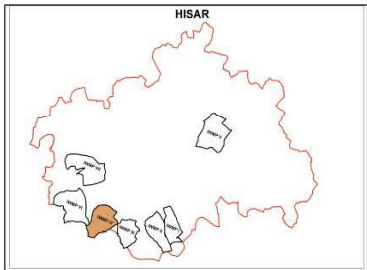
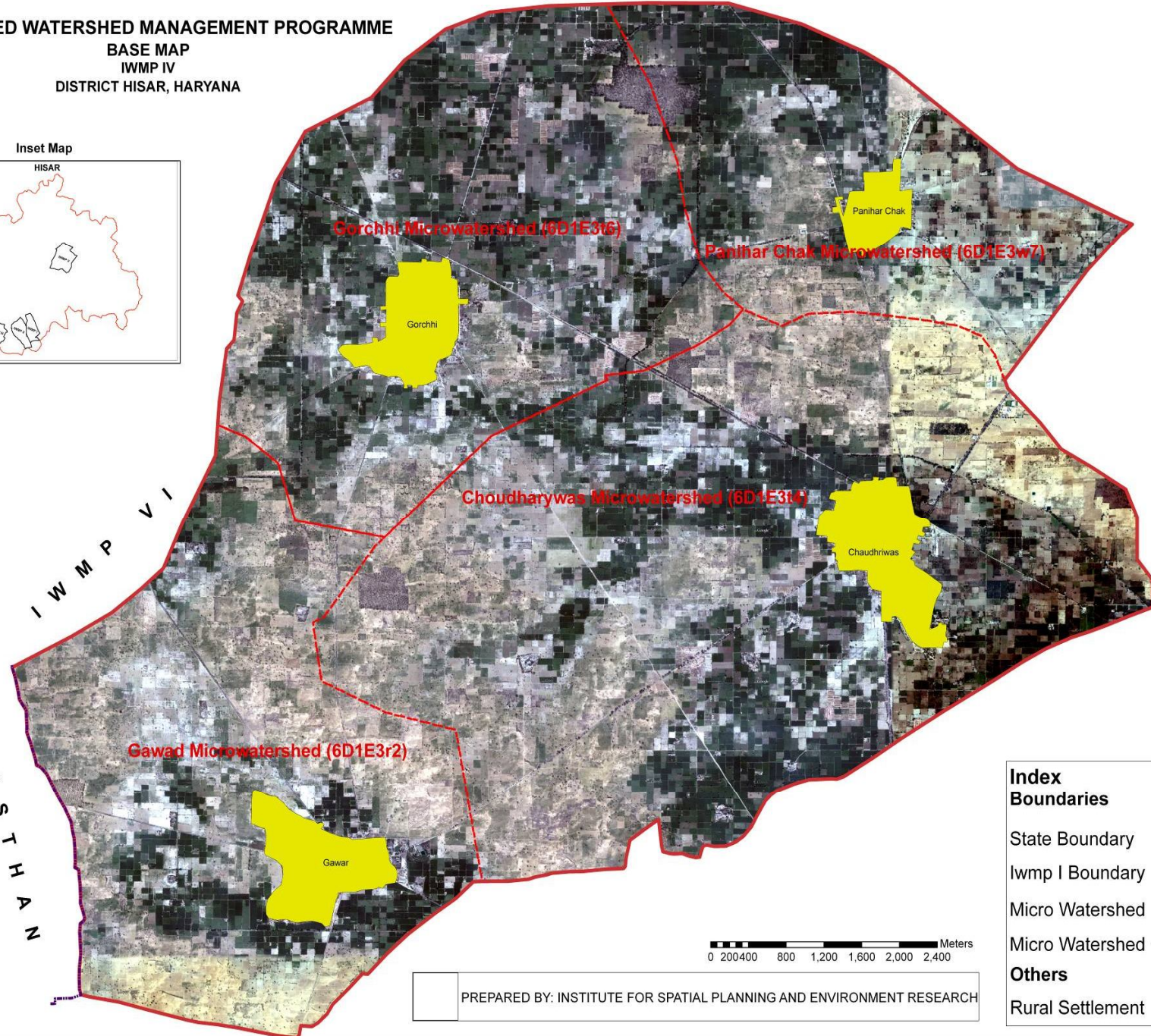


INTEGRATED WATERSHED MANAGEMENT PROGRAMME
BASE MAP
IWMP IV
DISTRICT HISAR, HARYANA

Inset Map



I W M P V I
R A J A S T H A N



Gorchhi Microwatershed (6D1E3t6)

Panihar Chak

Panihar Chak Microwatershed (6D1E3w7)

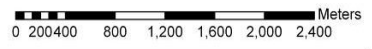
Gorchhi

Choudharywas Microwatershed (6D1E3t4)

Chaudhriwas

Gawar Microwatershed (6D1E3r2)

Gawar

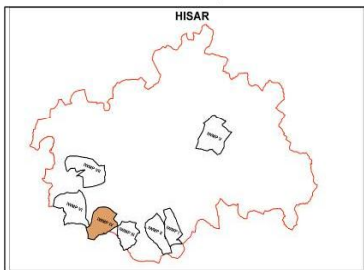


PREPARED BY: INSTITUTE FOR SPATIAL PLANNING AND ENVIRONMENT RESEARCH

Index	
Boundaries	
State Boundary	
Iwmp I Boundary	
Micro Watershed Boundary	
Micro Watershed Codes	
Others	
Rural Settlement	

INTEGRATED WATERSHED MANAGEMENT PROGRAMME
DEPTH TO WATER MAP
IWMP IV
DISTRICT HISAR, HARYANA

Inset Map



I
W
M
P
V
I

R
A
J
A
S
T
H
A
N

Gorchhi Microwatershed (6D1E3t6)

Panihar Chak Microwatershed (6D1E3w7)

Choudharywas Microwatershed (6D1E3t4)

Gawad Microwatershed (6D1E3r2)

Gorchhi

Panihar Chak

Chaudhriwas

Gawar

Water Level (MTS.)	
3-10	
10-20	

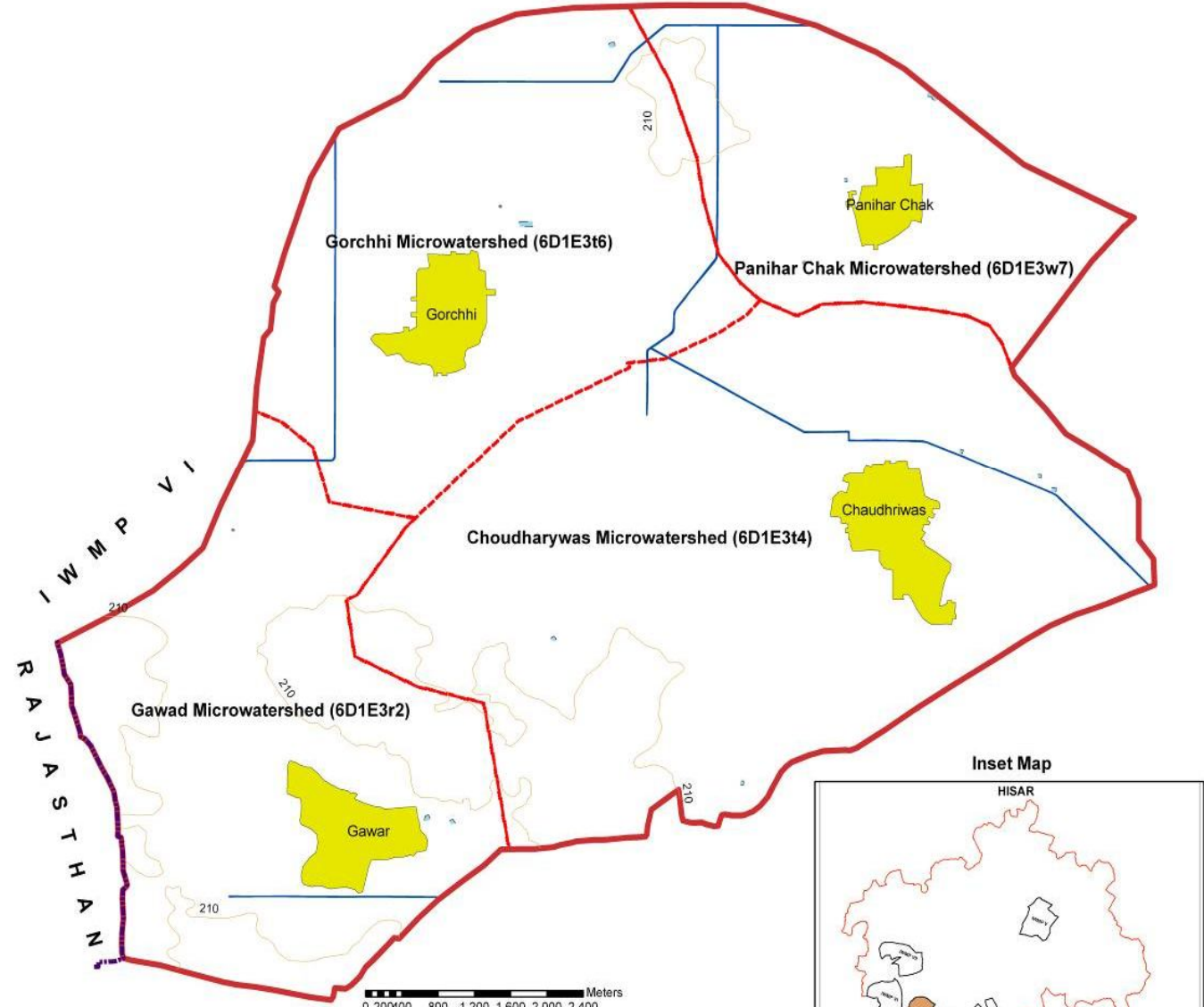
Index	
Boundaries	
State Boundary	
Iwmp I Boundary	
Micro Watershed Boundary	
Micro Watershed Codes	6D2D8d3
Rural Settlement	



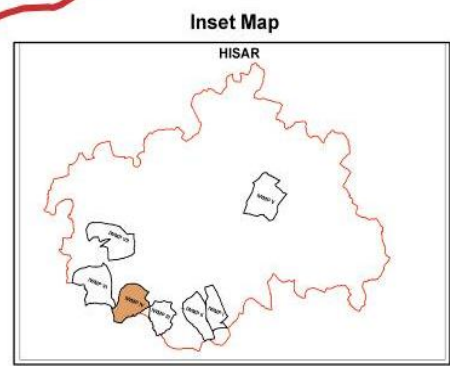
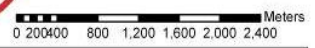
75°31'0"E 75°31'30"E 75°32'0"E 75°32'30"E 75°33'0"E 75°33'30"E 75°34'0"E 75°34'30"E 75°35'0"E 75°35'30"E 75°36'0"E 75°36'30"E 75°37'0"E 75°37'30"E 75°38'0"E 75°38'30"E 75°39'0"E 75°39'30"E 75°40'0"E

Annexure II

**INTEGRATED WATERSHED MANAGEMENT PROGRAMME
DRAINAGE & CONTOUR MAP
IWMP IV
DISTRICT HISAR, HARYANA**



I W M P V I
R A J A S T H A N



Index	
Boundaries	
State Boundary	
Iwmp I Boundary	
Micro Watershed Boundary	
Micro Watershed Codes	6D2D8d3
Topographic Features	
Contours	
Water body Permanent	
Canal	
Rural Settlement	

PREPARED BY: INSTITUTE FOR SPATIAL PLANNING AND ENVIRONMENT RESEARCH

75°31'0"E 75°31'30"E 75°32'0"E 75°32'30"E 75°33'0"E 75°33'30"E 75°34'0"E 75°34'30"E 75°35'0"E 75°35'30"E 75°36'0"E 75°36'30"E 75°37'0"E 75°37'30"E 75°38'0"E 75°38'30"E 75°39'0"E 75°39'30"E 75°40'0"E

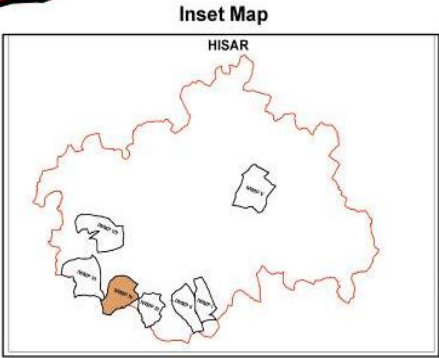
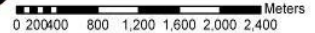
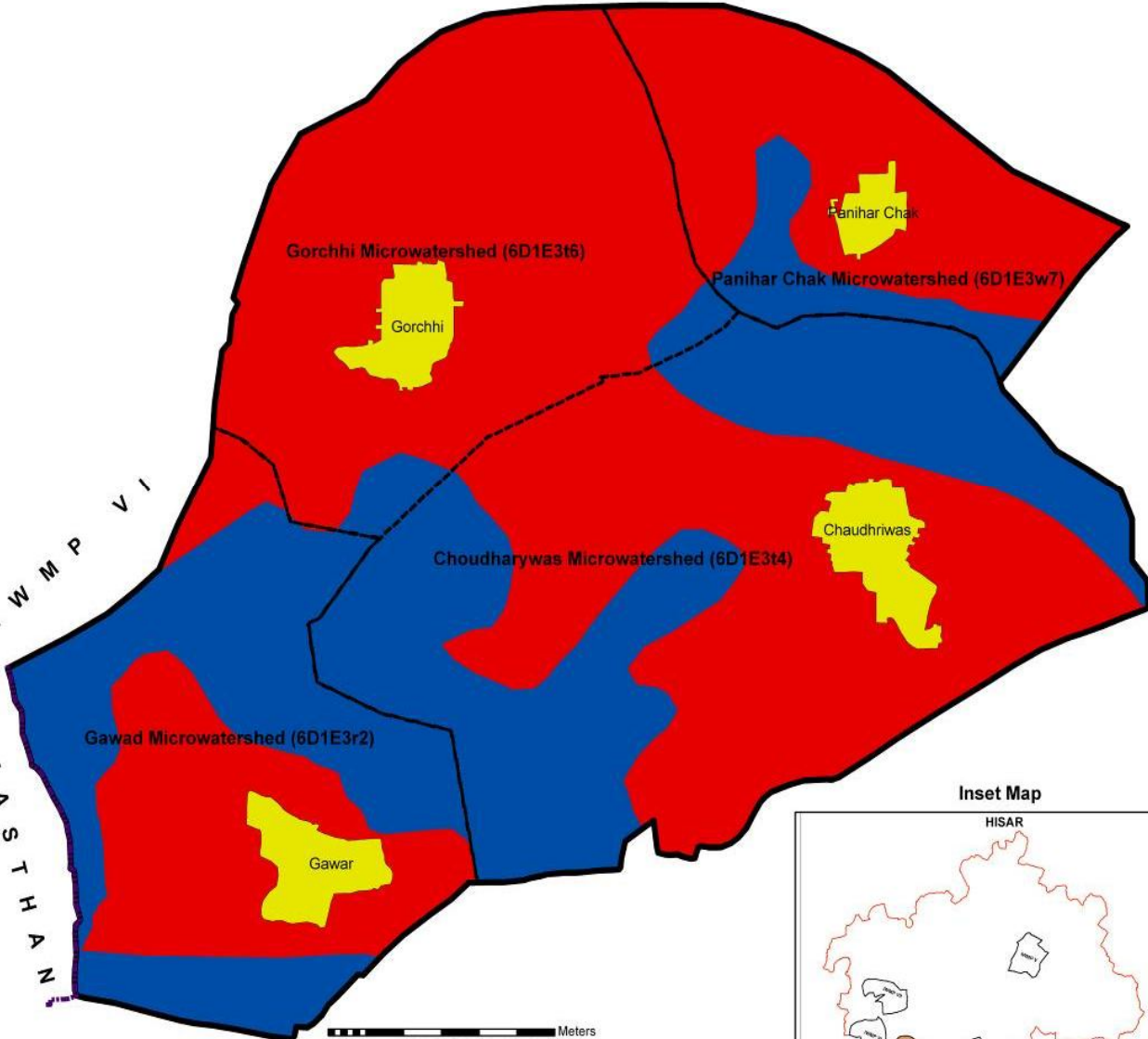
75°31'0"E 75°31'30"E 75°32'0"E 75°32'30"E 75°33'0"E 75°33'30"E 75°34'0"E 75°34'30"E 75°35'0"E 75°35'30"E 75°36'0"E 75°36'30"E 75°37'0"E 75°37'30"E 75°38'0"E 75°38'30"E 75°39'0"E 75°39'30"E 75°40'0"E

Annexure VII

**INTEGRATED WATERSHED MANAGEMENT PROGRAMME
LAND CAPABILITY MAP
IWMP IV
DISTRICT HISAR, HARYANA**



I W M P V I
 R A J A S T H A N



Index

State Boundary	
Iwmp I Boundary	
Micro Watershed Boundary	
Micro Watershed Codes	6D2D8d3
Rural Settlement	

Land Capability Sub Classes

	IIIe3 S3	Fairly Good Land with moderate soil and erosion hazard
	IVe4 S4	Poor Land with severe soil and erosion hazard

PREPARED BY: INSTITUTE FOR SPATIAL PLANNING AND ENVIRONMENT RESEARCH

75°31'0"E 75°31'30"E 75°32'0"E 75°32'30"E 75°33'0"E 75°33'30"E 75°34'0"E 75°34'30"E 75°35'0"E 75°35'30"E 75°36'0"E 75°36'30"E 75°37'0"E 75°37'30"E 75°38'0"E 75°38'30"E 75°39'0"E 75°39'30"E 75°40'0"E

75°31'E 75°31'30"E 75°32'E 75°32'30"E 75°33'E 75°33'30"E 75°34'E 75°34'30"E 75°35'E 75°35'30"E 75°36'E 75°36'30"E 75°37'E 75°37'30"E 75°38'E 75°38'30"E 75°39'E 75°39'30"E 75°40'E

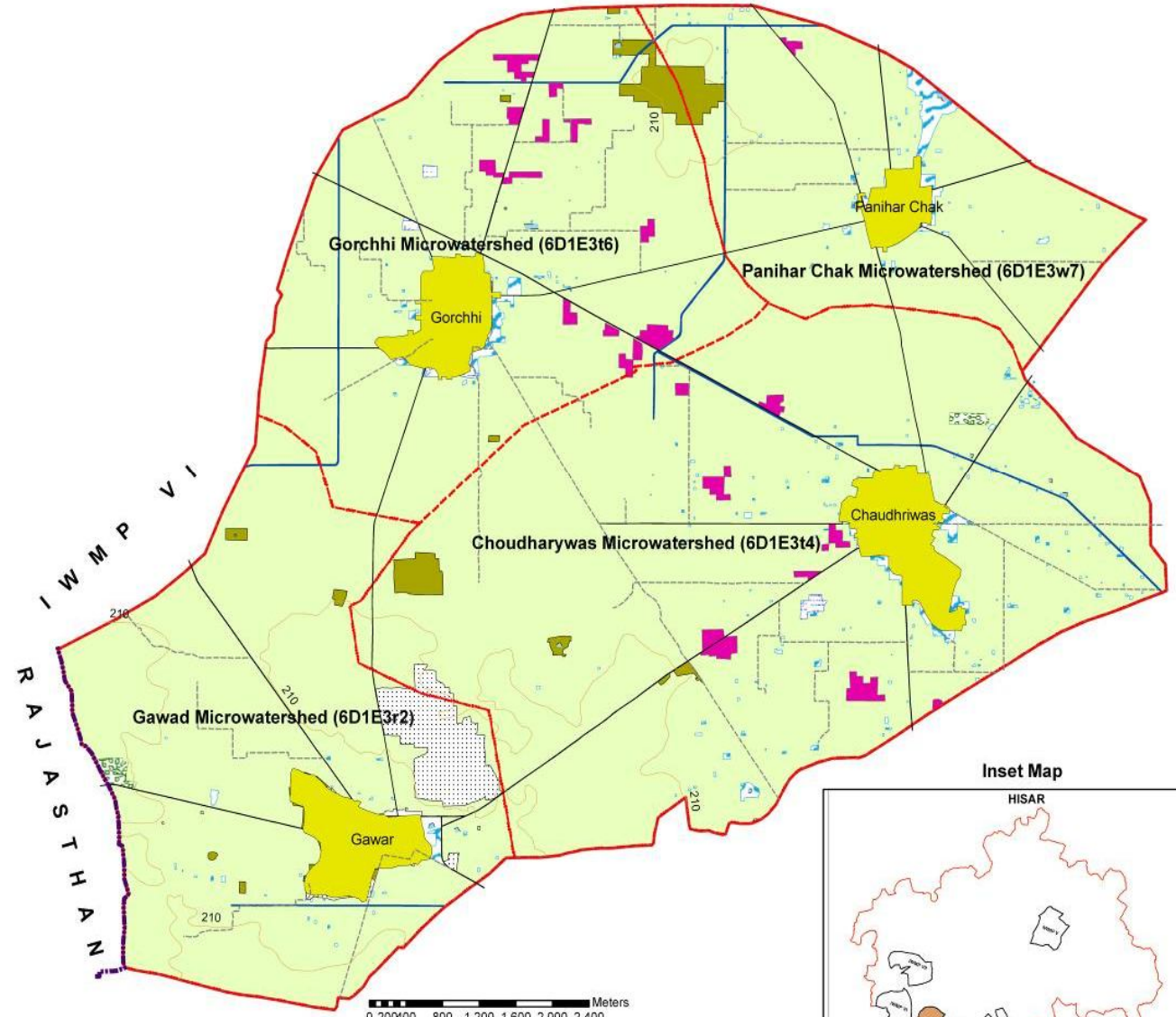
Annexure III

**INTEGRATED WATERSHED MANAGEMENT PROGRAMME
LAND USE MAP
IWMP IV
DISTRICT HISAR, HARYANA**

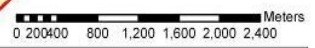
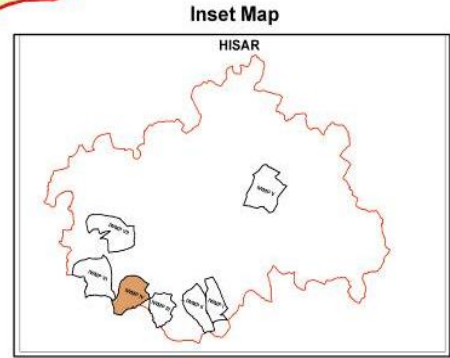


29°40'N
29°33'N
29°26'N
29°19'N
29°12'N
29°05'N
28°58'N
28°51'N
28°44'N
28°37'N
28°30'N
28°23'N
28°16'N
28°09'N
28°02'N

75°31'E
75°31'30"E
75°32'E
75°32'30"E
75°33'E
75°33'30"E
75°34'E
75°34'30"E
75°35'E
75°35'30"E
75°36'E
75°36'30"E
75°37'E
75°37'30"E
75°38'E
75°38'30"E
75°39'E
75°39'30"E
75°40'E



Index	
Boundaries	
State Boundary	
Iwmp I Boundary	
Micro Watershed Boundary	
Micro Watershed Codes	6D2D8d3
Topographic Features	
Contours	
Water body Permanent	
Canal	
Land Use	
Agriculture	
Agroforestry	
Rural Settlement	
Wastelands	
Land with Open Scrub	
Desertic- Sandy Area Plain	
Desertic- Sandy Dune (Stabilized)	
Degraded Grazing Land	
Brick Kiln	
Others	
Roads	
Kacha Rasta	

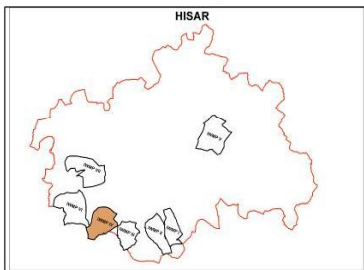


PREPARED BY: INSTITUTE FOR SPATIAL PLANNING AND ENVIRONMENT RESEARCH

75°31'E 75°31'30"E 75°32'E 75°32'30"E 75°33'E 75°33'30"E 75°34'E 75°34'30"E 75°35'E 75°35'30"E 75°36'E 75°36'30"E 75°37'E 75°37'30"E 75°38'E 75°38'30"E 75°39'E 75°39'30"E 75°40'E

**INTEGRATED WATERSHED MANAGEMENT PROGRAMME
FERTILITY MAP (NITROGEN)
IWMP IV
DISTRICT HISAR, HARYANA**

Inset Map



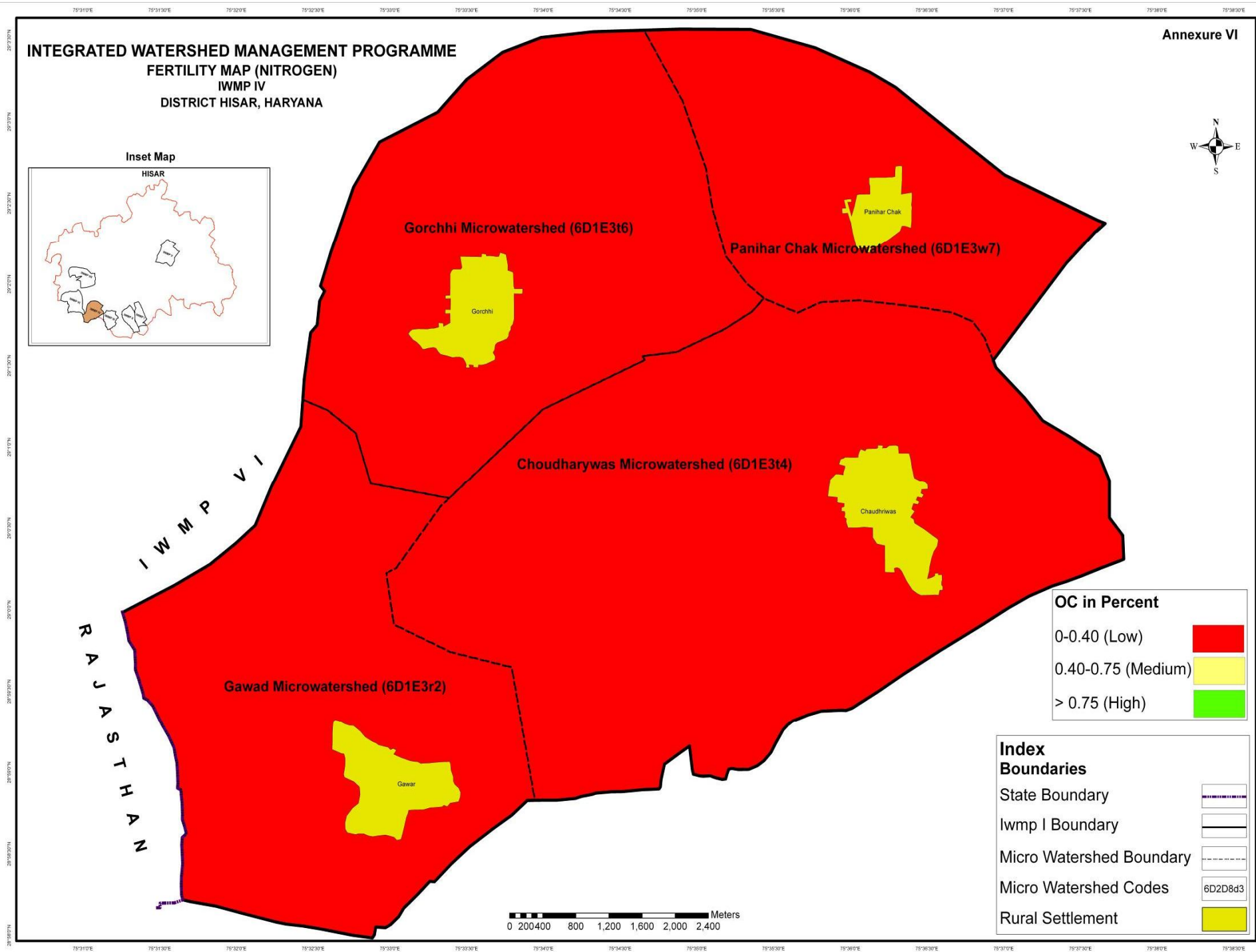
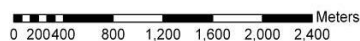
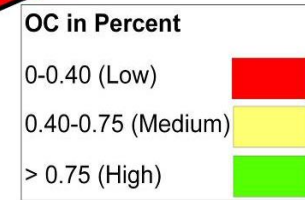
I W M P V I
R A J A S T H A N

Gorchhi Microwatershed (6D1E3t6)

Panihar Chak Microwatershed (6D1E3w7)

Choudharywas Microwatershed (6D1E3t4)

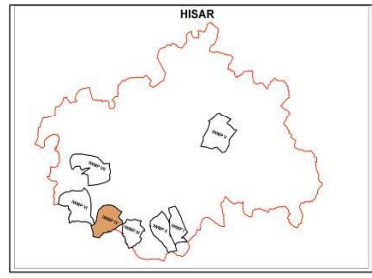
Gawad Microwatershed (6D1E3r2)



**INTEGRATED WATERSHED MANAGEMENT PROGRAMME
FERTILITY MAP (PHOSPHORUS)
IWMP IV
DISTRICT HISAR, HARYANA**



Inset Map



I
W
M
P
V
I

R
A
J
A
S
T
H
A
N

Gorchhi Microwatershed (6D1E3t6)

Panihar Chak Microwatershed (6D1E3w7)

Choudharywas Microwatershed (6D1E3t4)

Gawad Microwatershed (6D1E3r2)



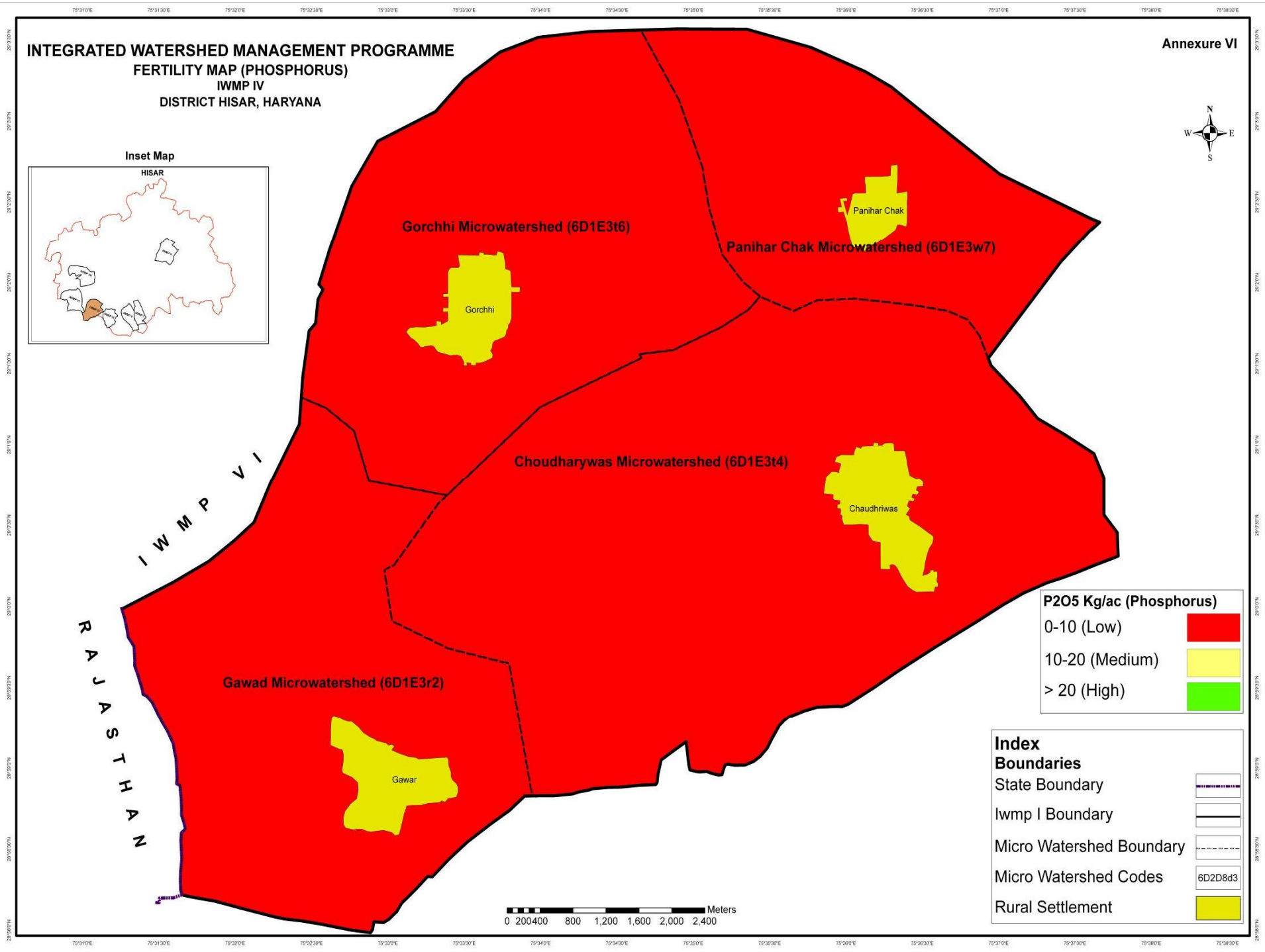
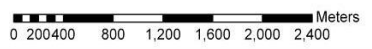
P2O5 Kg/ac (Phosphorus)

0-10 (Low)	Red
10-20 (Medium)	Yellow
> 20 (High)	Green

Index

Boundaries

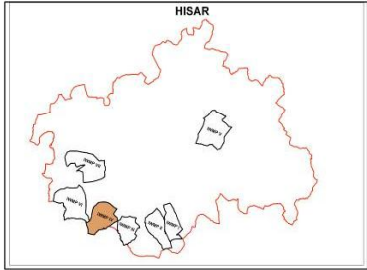
State Boundary	
Iwmp I Boundary	
Micro Watershed Boundary	
Micro Watershed Codes	6D2D8d3
Rural Settlement	



**INTEGRATED WATERSHED MANAGEMENT PROGRAMME
FERTILITY MAP (POTASH)
IWMP IV
DISTRICT HISAR, HARYANA**



Inset Map



I
W
M
P
V
I

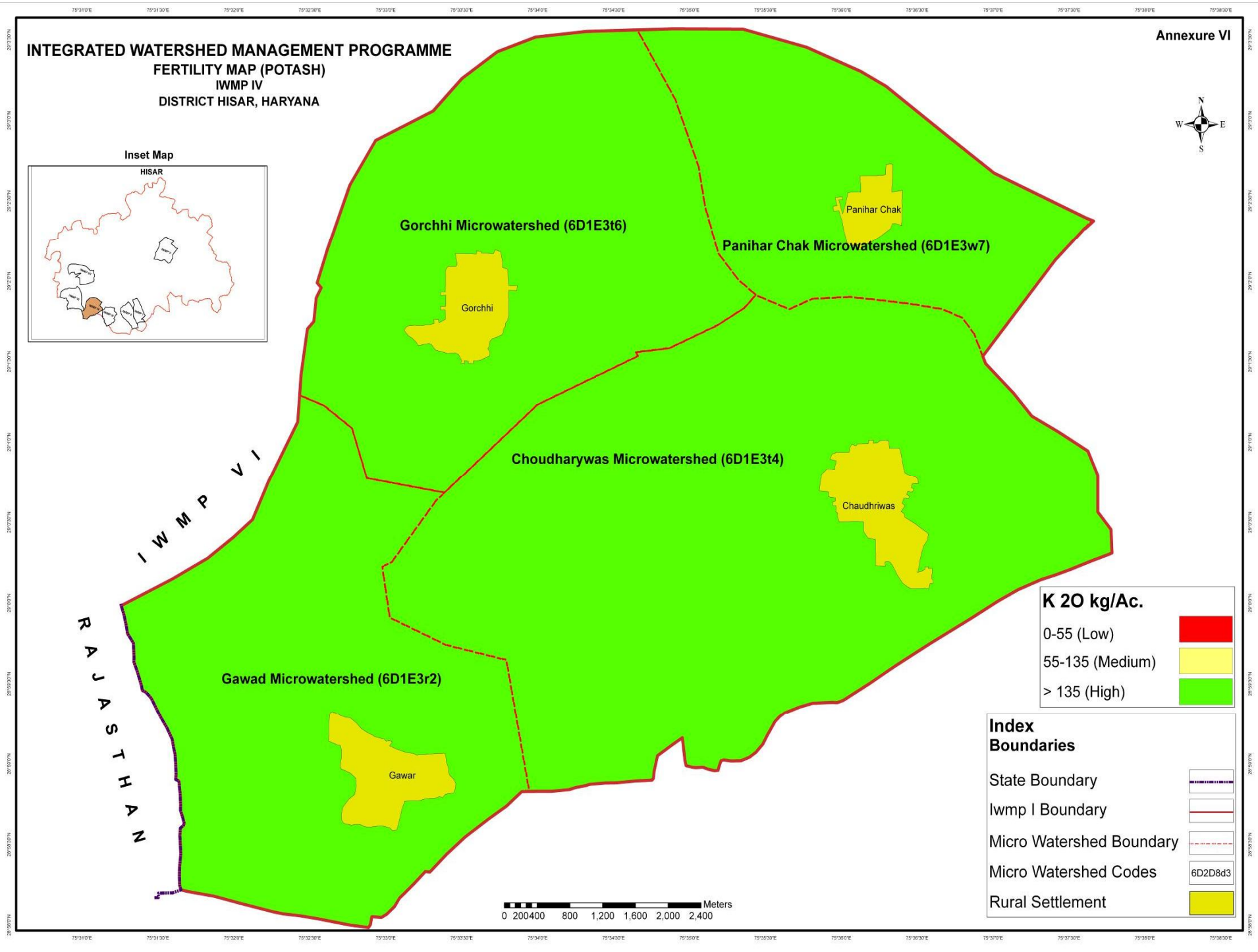
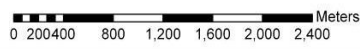
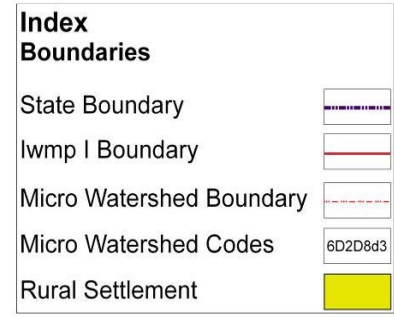
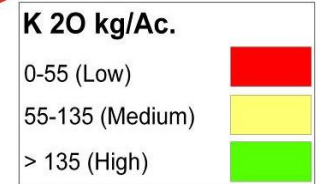
R
A
J
A
S
T
H
A
N

Gorchhi Microwatershed (6D1E3t6)

Panihar Chak Microwatershed (6D1E3w7)

Choudharywas Microwatershed (6D1E3t4)

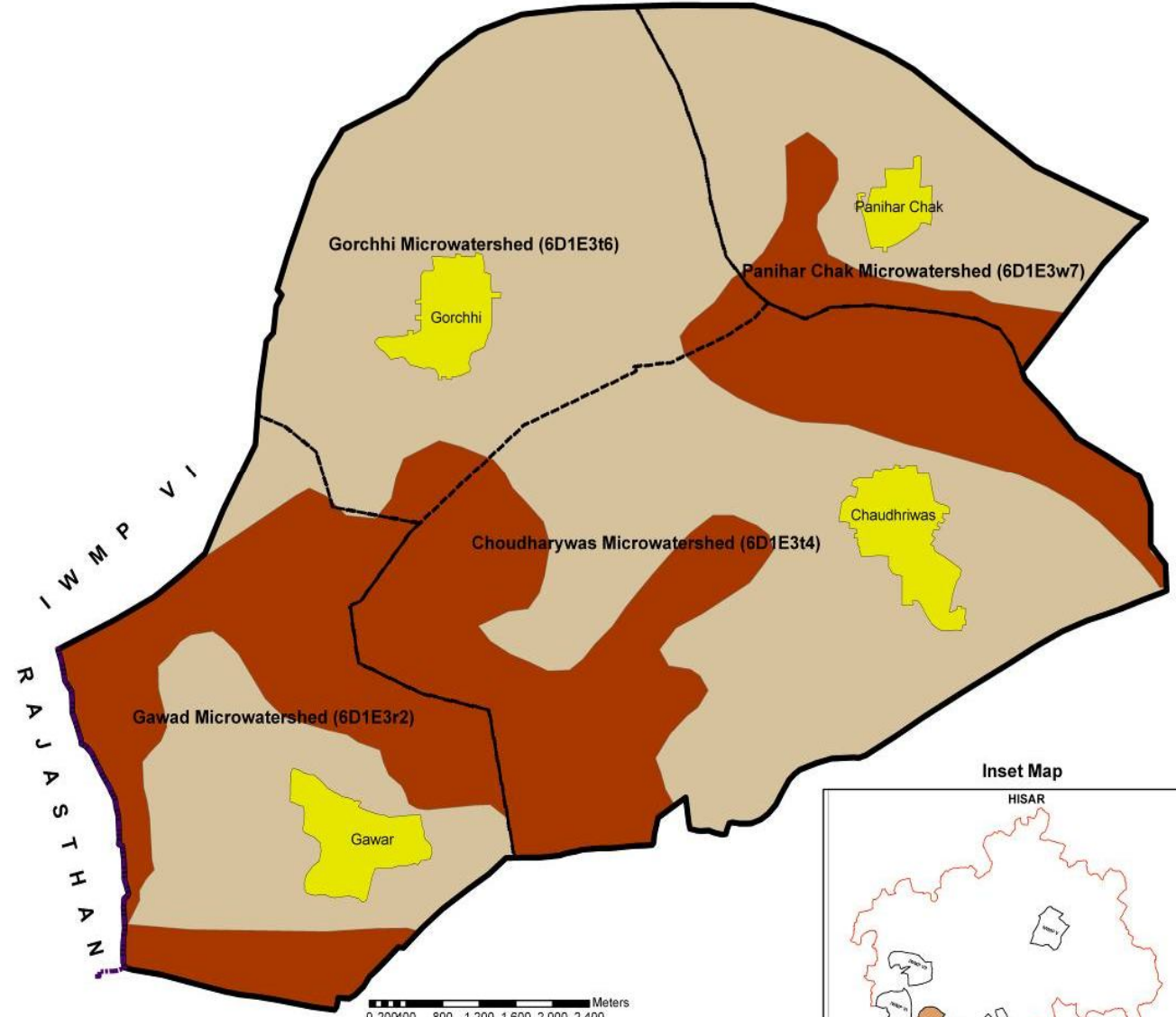
Gawad Microwatershed (6D1E3r2)



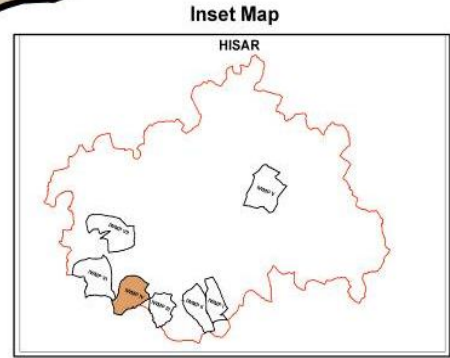
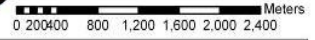
75°31'0"E 75°31'30"E 75°32'0"E 75°32'30"E 75°33'0"E 75°33'30"E 75°34'0"E 75°34'30"E 75°35'0"E 75°35'30"E 75°36'0"E 75°36'30"E 75°37'0"E 75°37'30"E 75°38'0"E 75°38'30"E 75°39'0"E 75°39'30"E 75°40'0"E

Annexure IV

INTEGRATED WATERSHED MANAGEMENT PROGRAMME
SLOPE MAP
IWMP IV
DISTRICT HISAR, HARYANA



I W M P V I
 R A J A S T H A N



Slope

<math>< 1\%</math>	
>math>> 1\%</math>	

Index

Boundaries	
State Boundary	
Iwmp I Boundary	
Micro Watershed Boundary	
Micro Watershed Codes	6D2D8d3
Rural Settlement	

PREPARED BY: INSTITUTE FOR SPATIAL PLANNING AND ENVIRONMENT RESEARCH

28°58'0"N
 28°56'30"N
 28°55'0"N
 28°53'30"N
 28°52'0"N
 28°50'30"N
 28°49'0"N
 28°47'30"N
 28°46'0"N
 28°44'30"N
 28°43'0"N
 28°41'30"N
 28°40'0"N

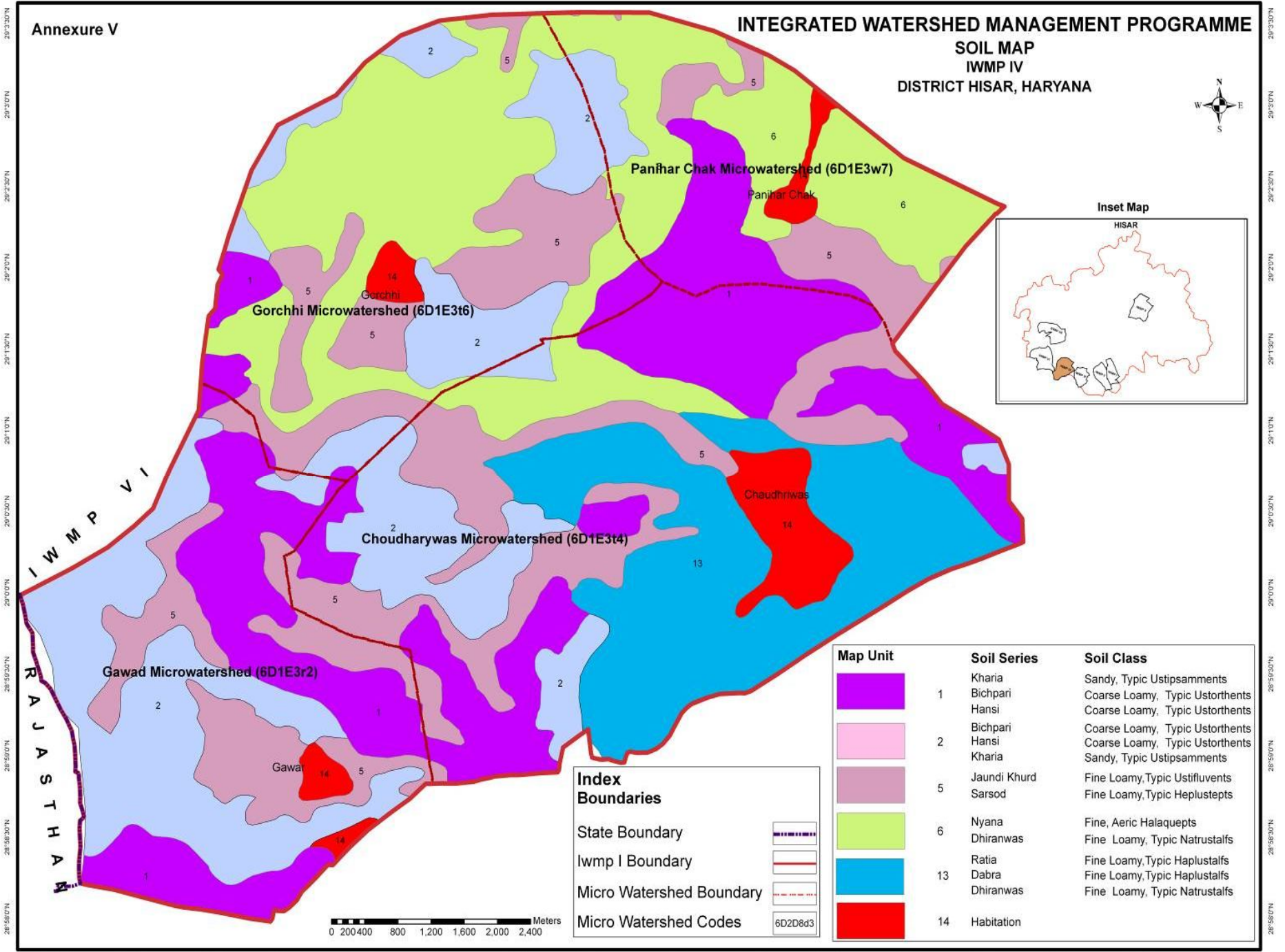
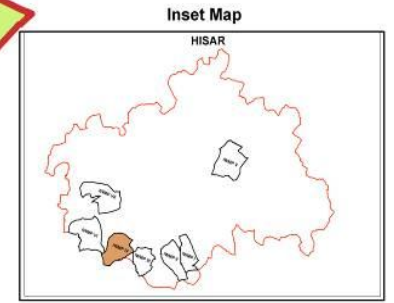
28°58'0"N
 28°56'30"N
 28°55'0"N
 28°53'30"N
 28°52'0"N
 28°50'30"N
 28°49'0"N
 28°47'30"N
 28°46'0"N
 28°44'30"N
 28°43'0"N
 28°41'30"N
 28°40'0"N

75°31'0"E 75°31'30"E 75°32'0"E 75°32'30"E 75°33'0"E 75°33'30"E 75°34'0"E 75°34'30"E 75°35'0"E 75°35'30"E 75°36'0"E 75°36'30"E 75°37'0"E 75°37'30"E 75°38'0"E 75°38'30"E 75°39'0"E 75°39'30"E 75°40'0"E

75°31'30"E 75°32'0"E 75°32'30"E 75°33'0"E 75°33'30"E 75°34'0"E 75°34'30"E 75°35'0"E 75°35'30"E 75°36'0"E 75°36'30"E 75°37'0"E 75°37'30"E 75°38'0"E 75°38'30"E 75°39'0"E

Annexure V

**INTEGRATED WATERSHED MANAGEMENT PROGRAMME
SOIL MAP
IWMP IV
DISTRICT HISAR, HARYANA**



I
W
M
P
V
I

R
A
J
S
T
H
A
N

Gorchhi Microwatershed (6D1E3t6)

Panihar Chak Microwatershed (6D1E3w7)

Choudharywas Microwatershed (6D1E3t4)

Gawad Microwatershed (6D1E3r2)

Panihar Chak

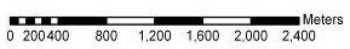
Chaudhriwas

Gawa

Index

Boundaries

- State Boundary
- Iwmp I Boundary
- Micro Watershed Boundary
- Micro Watershed Codes



Map Unit	Soil Series	Soil Class
1	Kharia	Sandy, Typic Ustipsamments
	Bichpari	Coarse Loamy, Typic Ustorthents
	Hansi	Coarse Loamy, Typic Ustorthents
2	Bichpari	Coarse Loamy, Typic Ustorthents
	Hansi	Coarse Loamy, Typic Ustorthents
	Kharia	Sandy, Typic Ustipsamments
5	Jaundi Khurd	Fine Loamy, Typic Ustifluvents
	Sarsod	Fine Loamy, Typic Heplustepts
6	Nyana	Fine, Aeris Halaquepts
	Dhiranwas	Fine Loamy, Typic Natrustalfs
13	Ratia	Fine Loamy, Typic Haplustalfs
	Dabra	Fine Loamy, Typic Haplustalfs
	Dhiranwas	Fine Loamy, Typic Natrustalfs
14	Habitation	

75°31'30"E 75°32'0"E 75°32'30"E 75°33'0"E 75°33'30"E 75°34'0"E 75°34'30"E 75°35'0"E 75°35'30"E 75°36'0"E 75°36'30"E 75°37'0"E 75°37'30"E 75°38'0"E 75°38'30"E 75°39'0"E

28°56'0"N
28°56'30"N
28°57'0"N
28°57'30"N
28°58'0"N
28°58'30"N
28°59'0"N
28°59'30"N
29°0'0"N
29°0'30"N
29°1'0"N
29°1'30"N
29°2'0"N
29°2'30"N
29°3'0"N
29°3'30"N

28°56'0"N
28°56'30"N
28°57'0"N
28°57'30"N
28°58'0"N
28°58'30"N
28°59'0"N
28°59'30"N
29°0'0"N
29°0'30"N
29°1'0"N
29°1'30"N
29°2'0"N
29°2'30"N
29°3'0"N
29°3'30"N

75°31'0"E 75°31'30"E 75°32'0"E 75°32'30"E 75°33'0"E 75°33'30"E 75°34'0"E 75°34'30"E 75°35'0"E 75°35'30"E 75°36'0"E 75°36'30"E 75°37'0"E 75°37'30"E 75°38'0"E 75°38'30"E 75°39'0"E 75°39'30"E 75°40'0"E

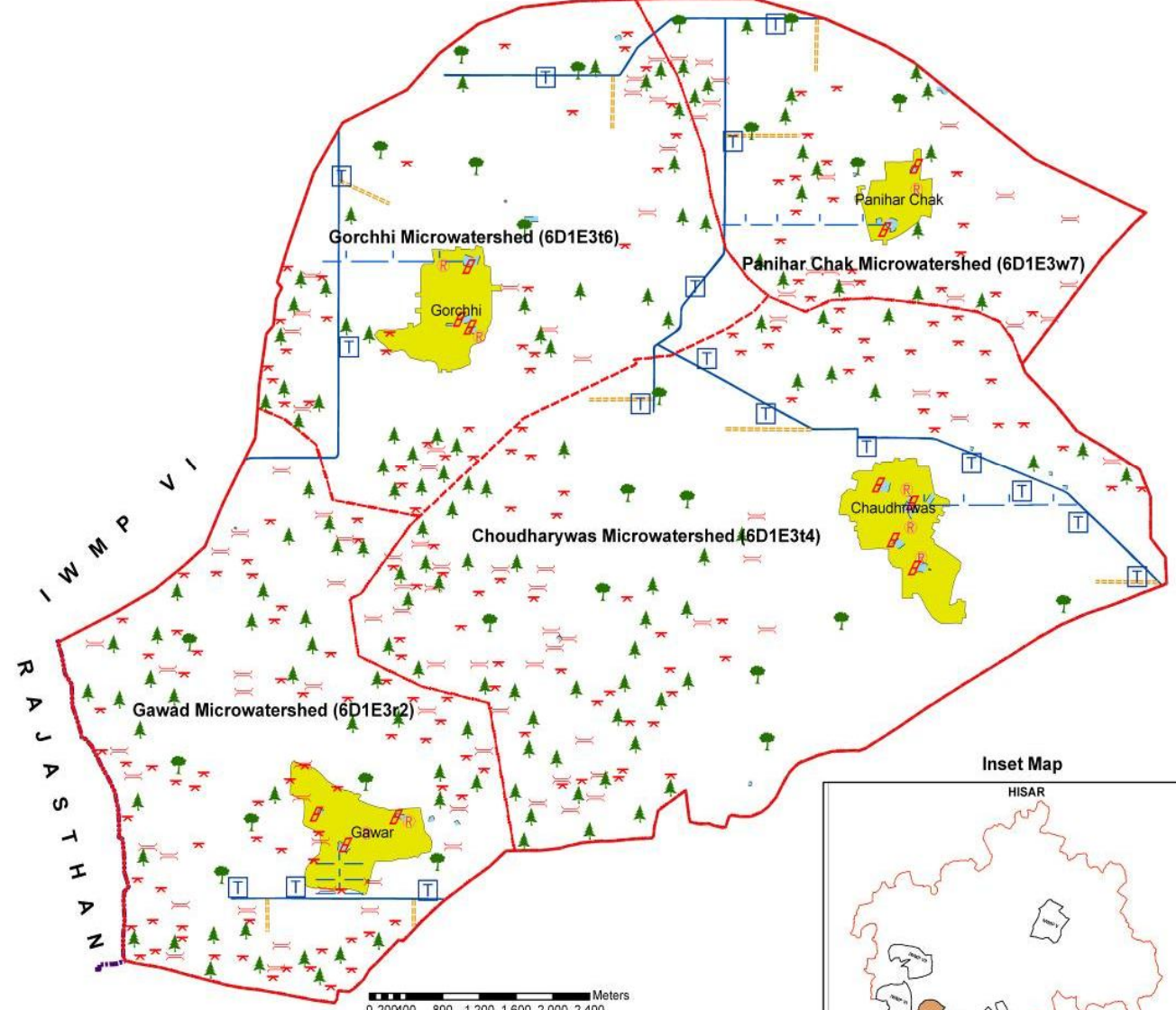
Annexure X

**INTEGRATED WATERSHED MANAGEMENT PROGRAMME
PROPOSED TREATMENT PLAN MAP
IWMP IV
DISTRICT HISAR, HARYANA**

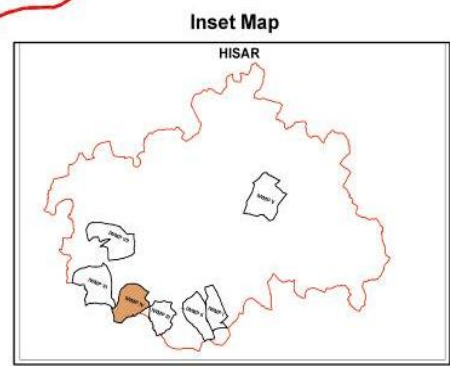


29°40'0"N
29°33'0"N
29°26'0"N
29°19'0"N
29°12'0"N
29°05'0"N
28°58'0"N
28°51'0"N
28°44'0"N
28°37'0"N
28°30'0"N
28°23'0"N
28°16'0"N
28°9'0"N
28°02'0"N

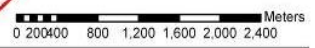
29°40'0"E
29°33'0"E
29°26'0"E
29°19'0"E
29°12'0"E
29°05'0"E
28°58'0"E
28°51'0"E
28°44'0"E
28°37'0"E
28°30'0"E
28°23'0"E
28°16'0"E
28°9'0"E
28°02'0"E



Index	
Boundaries	
State Boundary	
Iwmp I Boundary	
Micro Watershed Boundary	
Micro Watershed Codes	
Topographic Features	
Water body Permanent	
Canal	
Others	
Rural Settlement	



REFERENCES	
Water Course	
Water Conveyance	
Small Earthen Embankment	
Earthen Embankment	
Ramp, Inlet & Outlet	
Community Water Storage Tank	
Roof Top Rain Water Harevsting	
Agroforestry	
Rainfed Horticulture	



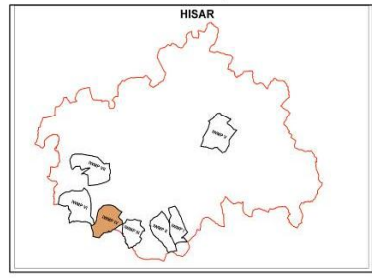
PREPARED BY: INSTITUTE FOR SPATIAL PLANNING AND ENVIRONMENT RESEARCH

75°31'0"E 75°31'30"E 75°32'0"E 75°32'30"E 75°33'0"E 75°33'30"E 75°34'0"E 75°34'30"E 75°35'0"E 75°35'30"E 75°36'0"E 75°36'30"E 75°37'0"E 75°37'30"E 75°38'0"E 75°38'30"E 75°39'0"E 75°39'30"E 75°40'0"E

INTEGRATED WATERSHED MANAGEMENT PROGRAMME
GROUND WATER QUALITY MAP
IWMP IV
DISTRICT HISAR, HARYANA



Inset Map



I W M P V I
R A J A S T H A N

Gorchhi Microwatershed (6D1E3t6)



Panihar Chak Microwatershed (6D1E3w7)



Choudharywas Microwatershed (6D1E3t4)



Gawad Microwatershed (6D1E3r2)

