



VECTOR DATA CATALOGUE



National Geospatial Data Registry
and Unified Geospatial Interface
Directorate, Survey of India,
Dehradun.

OPEN SERIES MAP (OSM)

Digital Topographic Data base (DTDB) data:

1) Scale	1: 50K
2) Projection & Datum	UTM WGS84
3) Data type	OSM DTDB
4) Accuracy	12.5m
5) Area of extent(in Sq km)	31,59,066.219
6) Availability(In no of Toposheets)	4596
7) Size	1.4 TB
8) Data format	.gdb, .shp, .dgn
9)Publication/Edition year	Year 2017-2021

.gdb : Geodatabase(vector data)

.shp : Shapefile(vector data)

.dgn : Design file(vector data)

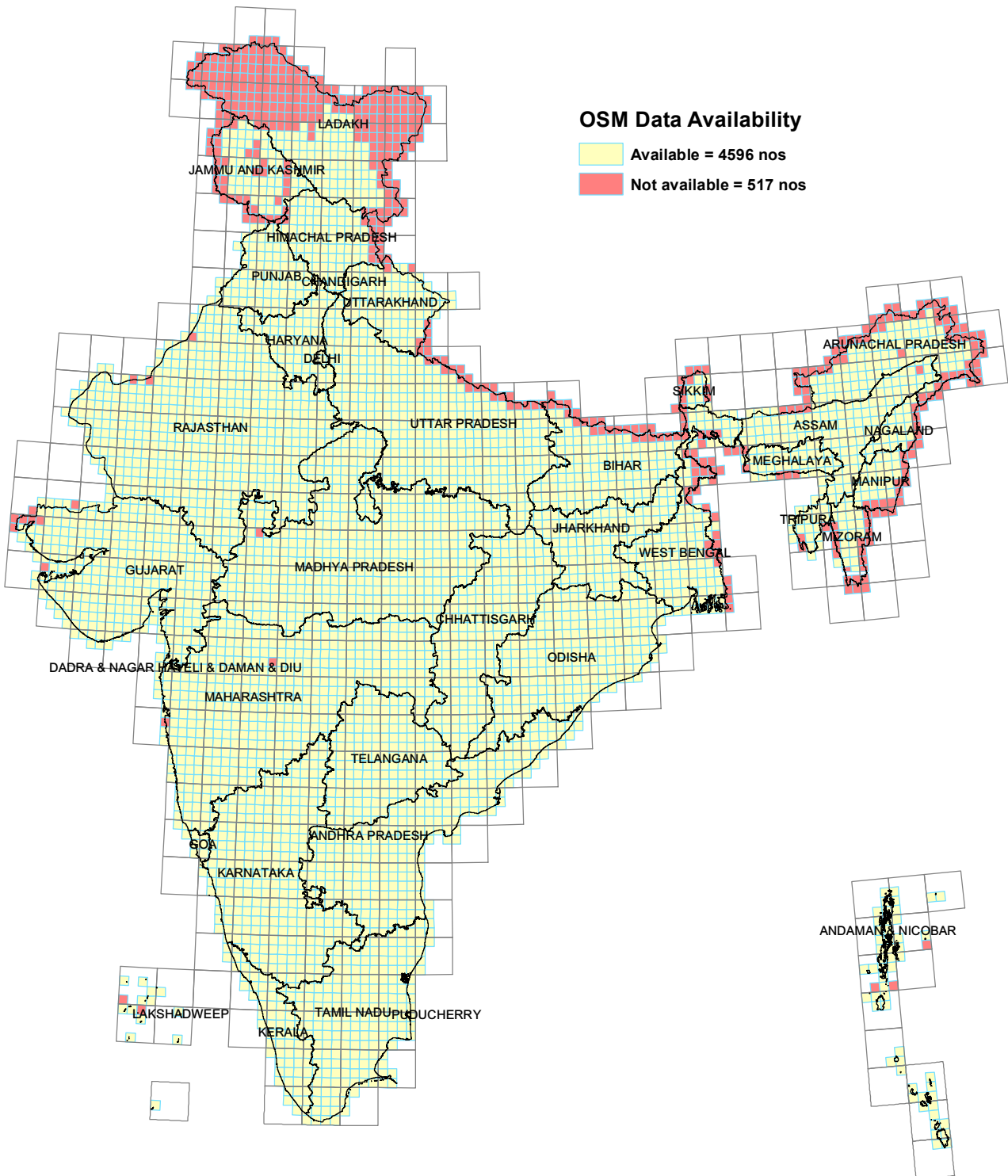
OPEN SERIES MAP (OSM)

Raster Data: Geo-referenced Toposheet

1) Scale	1: 50K
2) Projection & Datum	UTM WGS84
3) Data type	Geo-referenced toposheet
4) Resolution	4.3m
5) Area of extent (in Sq km)	31,59,066.219
6) Availability (In no of Toposheets)	4596
7) Size	1.21 TB
8) Data format	.tiff, .pdf
9)Publication/Edition year	Year 2017-2021

.tiff : Geo-referenced (raster data)

OSM 1:50K Scale Data Status



OSM= Open series map

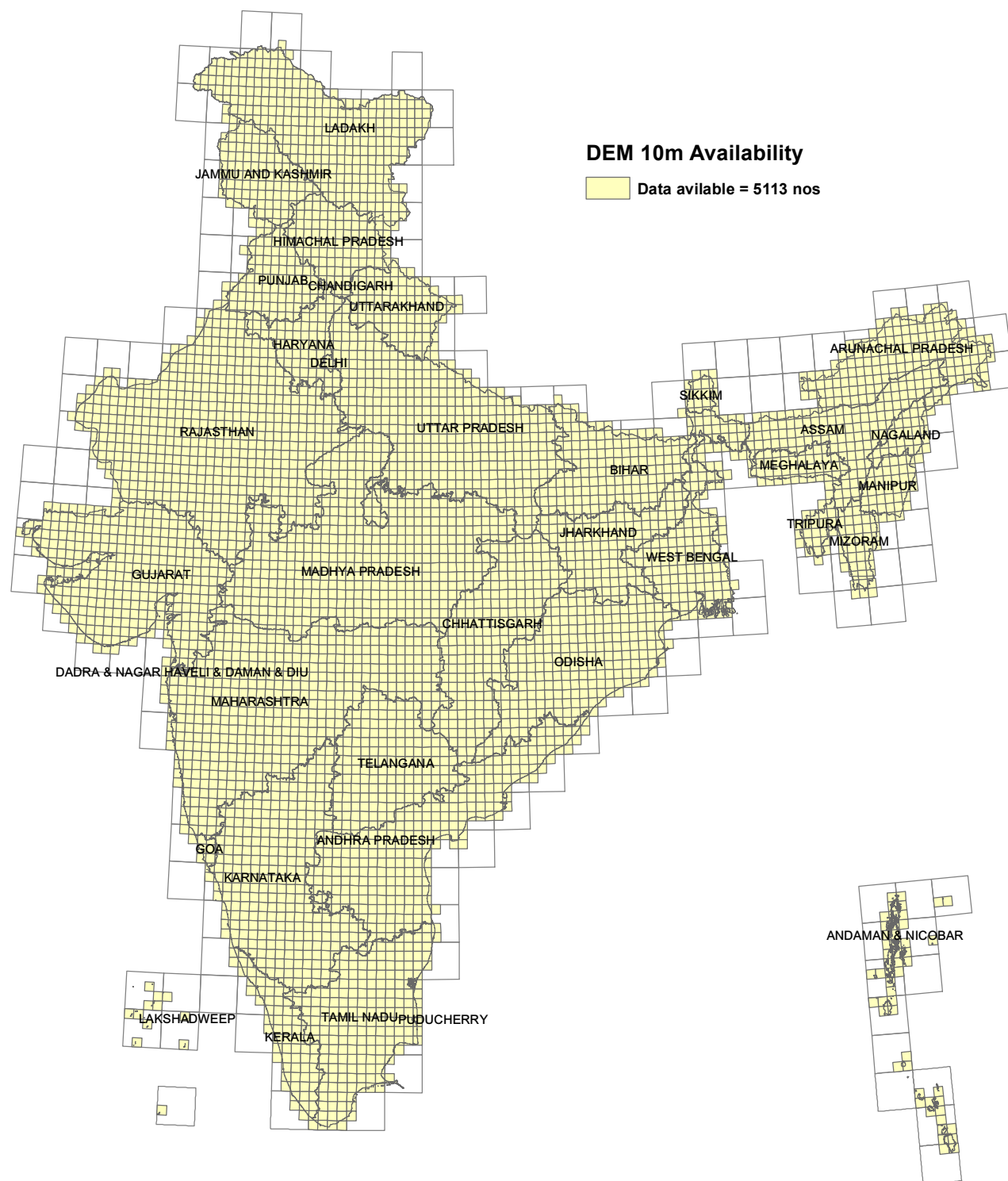
Digital Elevation Model (DEM)

Raster Data:

1) Scale	1: 50K	
2) Projection& Datum	UTM WGS84	
3) Data type	Raster	
4) Resolution	10m	
5) Area of extent(in Sq km)	3502240.3	
6) Availability(In no of Toposheets)	5113	
7) Size	1.5 TB	
8) Data format	.tiff	.tiff
9) Publication/Edition year	Year 2014-2018	Year 2023-2024

.tiff= Geo-referenced Tiff (raster data)

Digital Elevation Model 10m resolution Status



NATIONAL HYDROLOGY PROJECT

(NHP): 3-5m accuracy DEM

Vector data:

1) Scale	1: 25K
2) Projection & Datum	UTM WGS84
3) Data type	Vector
4) Accuracy	6.25m
5) Area of extent (in Sq km)	8,53,363
6) Availability (In no of 25K sheets)	5164
7) Data format	.gdb
8) Publication/Edition year	Year 2020-2024

.gdb= Geodatabase

NATIONAL HYDROLOGY PROJECT

(NHP): 3-5m accuracy DEM

Raster Data: Ortho Rectified Imagery (ORI) & Digital Elevation Model (DEM)

1) Projection & Datum	UTM WGS84	UTM WGS84
2) Data type	ORI	DEM
3) Resolution	Triplesat (0.7m) & Compsat (0.8m)	10 m
4) Area of extent(in Sq km)	8,53,363	8,53,363
5) Availability(In no of 25K sheets)	5164	5164
6) Data format	.tiff	.tiff
7) Publication/Edition year	Year 2023-2024	Year 2023-2024

.tiff= Geo-referenced Tiff (raster data)

National Hydrology Project(NHP) 3-5m DEM Status



NATIONAL HYDROLOGY PROJECT

(NHP): 0.5m DEM

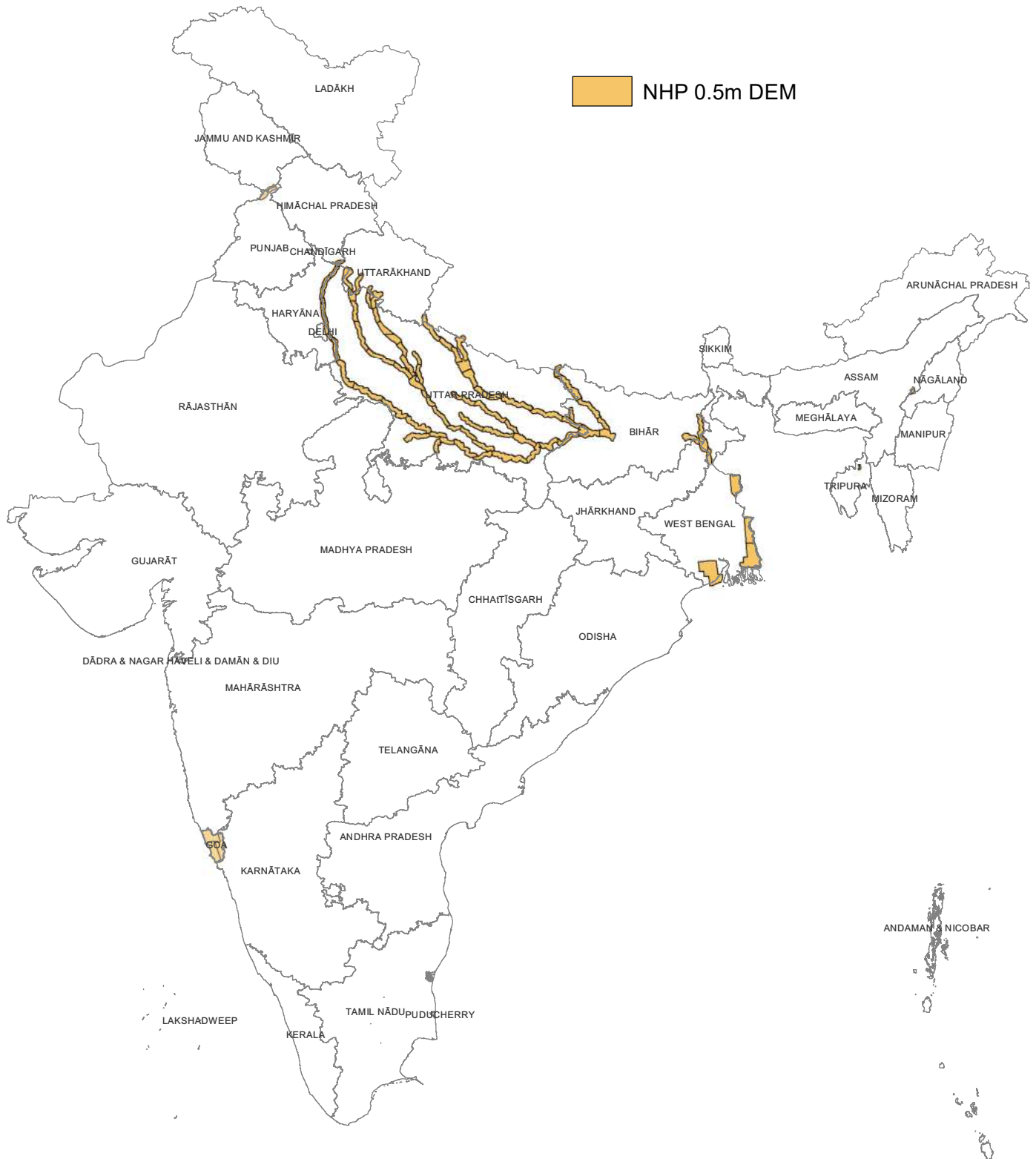
Raster Data: Ortho Rectified Imagery (ORI) & Digital Elevation Model (DEM)

1) Projection & Datum	UTM WGS84	UTM WGS84
2) Data type	ORI with Lidar data	DEM
3) Resolution	25cm	1m
4) Area of extent (in Sq km)	68000	68000
5) Data format	.tiff	.tiff
6) Publication/Edition year	Year 2017-2021	Year 2017-2021

.gdb= Geodatabase

.tiff= Geo-referenced Tiff (raster data)

National Hydrology Project (NHP) 0.5 DEM Status



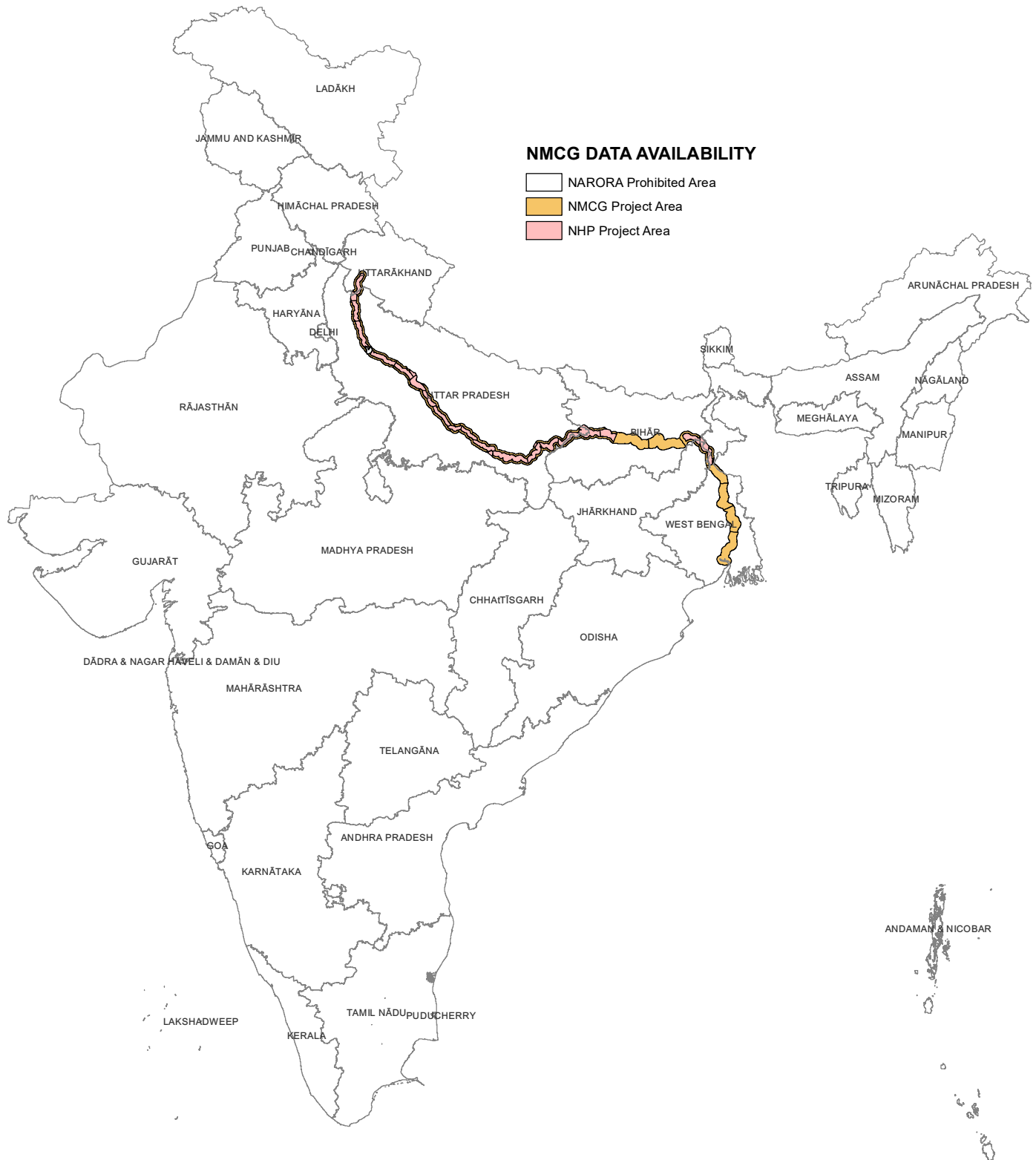
NATIONAL MISSION FOR CLEAN GANGA **(NMCG)**

Raster Data: Ortho Rectified Imagery (ORI) & Digital Elevation Model (DEM)

1) Projection & Datum	UTM WGS84	UTM WGS84
2) Data type	ORI	DEM
3) Resolution	25cm	1m
4) Area of extent (in Sq km)	26700	26700
5) Data format	.tiff	.tiff
6) Publication/Edition year	Year 2017-2021	Year 2017-2021

.tiff= Geo-referenced Tiff (raster data)

National Mission for Clean Ganga Project Status



INTEGRATED COASTAL ZONE ANAGEMENT

(ICZM)

Vector and Raster Data:

1) Scale	1:10K	
2) Projection & Datum	UTM WGS84	UTM WGS84
3) Data type	Vector	ORI & DEM
4) Resolution	-	ORI= 10cm, DEM= 0.5m
5) Area of extent (in Sq km)	1,22,816.5	1,22,816.5
6) Data format	.gdb	.tiff
7) Publication/Edition year	Year 2018-2020	Year 2018-2020

.tiff= Geo-referenced Tiff (raster data)

Integrated Coastal Zone Management (ICZM)



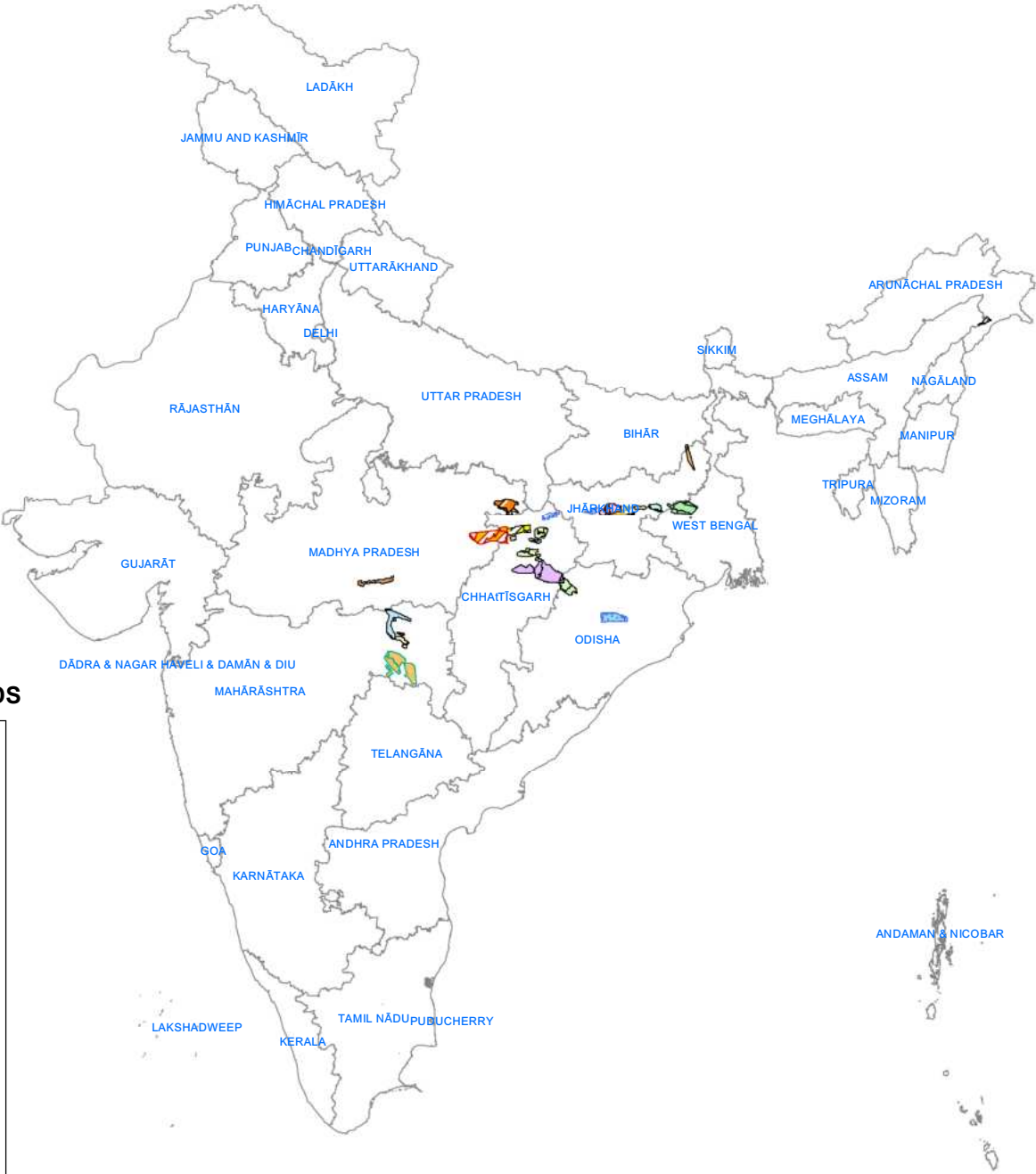
CENTRAL MINE PLANNING & DESIGN INSTITUTE

(CMPDI)

1) Scale	1:5000
2) Projection & Datum	UTM WGS84
3) Data type	Vector
4) Aerial Photography	30 cm resolution
5) Area of extent (in Sq km)	28 Coal Fields (Approx. 29761.103 sq km)
6) Data format	.dgn,.gdb, .pdf
7) Publication/Edition year	Year 2012-19

.gdb= Geodatabase

CMPDI DATA STATUS



CMPDI COAL FIELDS

	AURANGA
	BARJORA
	BHANDER
	BISRAMPUR
	CHIRMIRI
	EAST_BOKARO
	HASDO_ARAND
	IB_VALLEY
	JHARIA
	KAMPTEE
	KORBA
	LAKHANPUR
	MAKUM
	MAND_RAIGARH
	NORTH_KARANPURA
	PENCH_KANHAN
	RAJMAHA
	RAMGARH
	RANIGANJ
	SINGRULI
	SOHAGPUR
	SONHAT_JHILMILI
	SOUTH_KARANPURA
	TALCHER
	TATAPANI
	UMRER
	W_BOKARO
	WARDHA

NATIONAL URBAN INFORMATION SYSTEM

(NUIS)

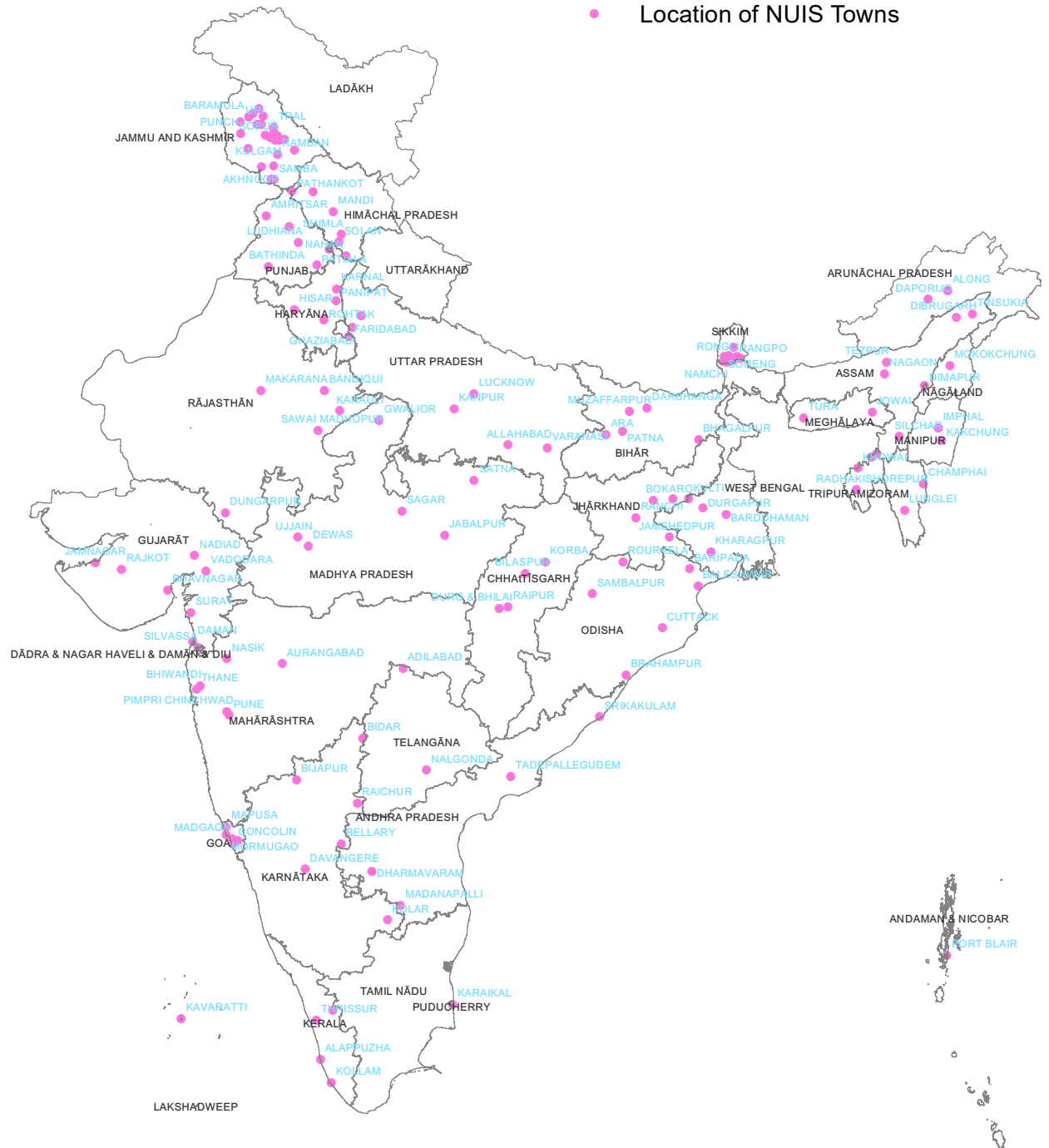
1) Scale	1:2000
2) Projection & Datum	UTM WGS84
3) Data type	Vector
4) Resolution	0.5m
5) Area of extent (in Sq km)	148 towns (Approx. 13000 sqkm)
6) Data format	.gdb, .pdf
7) Publication/Edition year	Year 2010-12

.gdb= Geodatabase

National Urban Information System(NUIS) 1:2K Data Status

NUIS DATA STATUS

● Location of NUIS Towns



GEOGRAPHICAL MAPS

<i>Sl no</i>	<i>Name</i>	<i>Scale</i>	<i>Latest Publication year</i>	<i>Format</i>
1.	Political Map of India (Hindi, English, Sanskrit)	1:4 M	2025	.dgn, .shp, .pdf
2.	Physical Map of India	1:4 M	2019	.dgn, .shp, .pdf
3.	Road Map of India	1:2.5 M	2021	.dgn, .shp, .pdf
4.	Railway Map of India	1:3.5M 1: 10M	2024 2025	.dgn, .shp, .pdf

.dgn= Design file

.shp= Shapefile

STATES MAPS

<i>Sl no</i>	<i>States/UTs</i>	<i>Scale</i>	<i>Latest Publication year</i>	<i>Language</i>
1	ANDHRA PRADESH	1M	2025	English, Hindi & Telugu
2	ARUNACHAL PRADESH	750K	2020	English
3	ASSAM	1M	2025	English, Hindi & Assamese
4	BIHAR	1M	2025	English & Hindi
5	CHHATTISGARH	1M	2025	English & Hindi
6	MAHARASHTRA	1M	2025	English & Marathi
7	DELHI	75K	2025	English & Hindi
8	GOA	150K	2025	Konkani
9	GUJARAT	1M	2025	English, Hindi & Gujarati
10	HARYANA	500K	2021	English & Hindi
11	JAMMU & KASHMIR	500K	2021	English
12	JHARKHAND	600K	2025	English, Hindi & Santhali
13	KARNATAKA	1M	2018	English, Hindi & Kannada
14	KERALA & LAKSHADWEEP	1M	2025	English
15	LADAKH	1M	2021	English
16	MADHYA PRADESH	1M	2025	English & Hindi
17	MANIPUR	500K	2025	English, Hindi & Manipuri
18	MEGHALAYA	400K	2025	English & Hindi
19	MIZORAM	500K	2025	English & Hindi
20	NAGALAND	500K	2025	English & Hindi
21	ODISHA	1M	2025	English & Hindi
22	PUNJAB	500K	2022	English & Hindi
23	RAJASTHAN	1M	2022	English & Hindi
24	SIKKIM	150K	1981	English & Hindi
25	TAMILNADU	1M	2025	English
26	TELANGANA	1M	2025	English, Hindi & Telugu
27	TRIPURA	500K	2025	English, Hindi & Bengali
28	UTTAR PRADESH	1M	2025	English
29	UTTRAKHAND	50K	2025	English & Hindi
30	UTTRAKHAND	500K	2025	English & Hindi

ADMINISTRATIVE BOUNDARY

DATABASE

- a) Formats available: Shapefile (.shp), Geodatabase (.gdb)
- b) Levels of Boundaries: Up to village level boundaries are available i.e. State/UT Boundaries, District Boundaries, Sub district Boundaries, Village Boundaries As per Version01 Harmonization with ORGI

S. No.	State/ UT	No. of Districts	No. of Subdistricts	No. of Villages Polygons	No. of Village points
1	Andaman & Nicobar Islands	3	9	582	
2	Andhra Pradesh	26	686	18050	
3	Arunachal Pradesh	27	NA	NA	4457
4	Assam	35	162	21024	18113
5	Bihar	38	534	44082	
6	Chandigarh	1	1	35	
7	Chhattisgarh	33	251	21715	
8	Dadra & Nagar Haveli & Daman & Diu	3	3	91	
9	Delhi	11	34	369	
10	Goa	2	12	433	
11	Gujarat	33	252	18884	
12	Haryana	22	142 (48 sub-tehsil)	7001	
13	Himachal Pradesh	12	185(72 sub-tehsil)	NA	15027

14	Jammu & Kashmir	22	206	6828	
15	Jharkhand	24	259	32565	
16	Karnataka	31	238	30160	
17	Kerala	14	78	1671	
18	Ladakh	2	13	NA	230
19	Lakshadweep	1	10	28	
20	Madhya Pradesh	55	449	58697	
21	Maharashtra	36	358	44659	
22	Manipur	16	36	NA	2555
23	Meghalaya	12	NA	NA	2522
24	Mizoram	11	23	NA	859
25	Nagaland	16	115	NA	1437
26	Odisha	30	317	52524	
27	Puducherry	2	8	129	
28	Punjab	23	97	12830	
29	Rajasthan	41	426	46814	
30	Sikkim	6	19	444	
31	Tamil Nadu	38	317	17379	
32	Telangana	33	621	10455	
33	Tripura	8	23	899	901

34	Uttar Pradesh	75	351	101735	
35	Uttarakhand	13	111	16779	
36	West Bengal	23	347	41298	
	TOTAL	778	6693 (120 sub tehsils)	608160	46101

*NA: Not available

DATASET FOR DISSEMINATION

Sl no	Dataset name	Data classification	Type of data	Data format	Preferred data Sharing Method	Data volume
1	Open series Maps of Scales 1:50K	Public (On Payment); Sheets containing IB are accessed by Govt Organisation	Vector	SHP, GDB	Online Maps Portal, FTP	220 GB
		Public	Vector	pdf	Online Maps Portal, FTP	
2	Open series Maps of Scales 1:50K(Geo-referenced tiff)	Public (On Payment)	Raster	tiff	Online Maps Portal, FTP	1.21 TB
3	Digital Elevation Model of 10m resolution	Public (On Payment)	Raster	tiff	Online Maps Portal, FTP	497 GB
4	NHP data(3-5m DEM); 1:25K Sheetwise vector data	Public (On Payment)	Vector	gdb,pdf	FTP	20 TB
5	NHP data(3-5m DEM); 1:25K Sheetwise ORI	Public (On Payment)	Raster	tiff	FTP	
6	NHP data(3-5m DEM); 1:25K Sheetwise DEM	Public (On Payment)	Raster	tiff	FTP	
7	NHP data(0.5m DEM); Areawise ORI	Public (On Payment)	Raster	tiff	FTP	10TB
8	NHP data(0.5m DEM); Areawise DEM	Public (On Payment)	Raster	tiff	FTP	
9	NMCG; Areawise ORI	Public (On Payment)	Raster	tiff	FTP	
10	NMCG; Areawise DEM	Public (On Payment)	Raster	tiff	FTP	
11	ICZM	Private	Vector,Raster	gdb, tiff	FTP	14 TB
12	CMPDI	Private	Vector,Raster	gdb, tiff	FTP	62 GB
13	NUIS	Private	Vector	gdb,pdf	FTP	620 GB
14	Geographical Maps	Public	Vector	shp(OnPayment,pdf	Online Maps Portal, FTP	200 MB
	Political Map of India	Public	Vector	shp(OnPayment,pdf	Online Maps Portal, FTP	201 MB
	Physical Map of India	Public	Vector	shp(OnPayment,pdf	Online Maps Portal, FTP	202 MB
	Road Map of India	Public	Vector	shp(OnPayment,pdf	Online Maps Portal, FTP	203 MB
	Railway Map of India	Public	Vector	shp(OnPayment,pdf	Online Maps Portal, FTP	204 MB
	State Maps	Public	Vector	shp(OnPayment,pdf	Online Maps Portal, FTP	2 GB
15	Administrative boundary State, District, Sub-district,village level data of Entire India	Public	Vector	SHP, GDB	Online Maps Portal, FTP	15 GB