





Final Report-Volume II

Study on Health Infrastructure in NCR

December 2015

National Capital Region Planning Board





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Appendix A. Hospital Fact sheets

A.1. Fact sheets of Referral Hospitals contacted

A.1.1. Kailash Hospital and Heart Institute

Name of the Facility	Kailash Hospital and Heart Institute , H -33, Sector -27 NOIDA-201301
Type of facility Contact Details	Private- Super-speciality Dr Mahesh Sharma Chairman & Managing Director Dr A K Choturvedi Group Medical Director Dr Vijay Ganju, Medical Superintendent - Mob 09871295311
Brief about the hospital	This 325 bed Super-speciality multi services hospital, accredited by NABH is the largest private hospital in Uttar Pradesh. The hospital caters to patients from all over UP, Delhi and other NCR towns.
	The salient features of this hospital are the specialized OPD with over 160 specialists and super specialists in various fields aided by a team of over 1200 staff members. The hospital has round the clock availability of a host of facilities such as Ambulance Services, Mobile CCU, Casualty and Emergency Services, Lab and Diagnostic Services, Chemist Shop and Blood Bank ensuring smooth and efficient patient care.
	The Hospital is on the panel of CGHS, ECHS, and other government departments; large public sector corporations such as BHEL, NTPC, BSNL, NHPC, etc. and a number of organizations in the private sector for providing health care to their employees The hospital is accredited from NABH and ISO 9001- 2008
Number of beds available (Total in the Facility)	certified 325
Room Charges per bed per day	INR 255 to INR 8685 depending upon the category of room
Availability of Doctors/ Medical Category staff at the Facility	200
Availability of Para Medical staff at the Facility	500

Availability of Diagnostics at the Facility	 Ultrafast M.R.I. 1.5 Tesla from Phillips, Netherlands Whole Body Multi slice Spiral CT Scanner from Siemens, Germany Computed Radiography System Color Doppler, Ultra Sound Fully Auto Lab Analyser Dialysis EEG, PFT, TMT, Uroflowmetry, Mammography, etc. Bone densitometry (BMD)
Area of Super Specialisation for which patients are referred IN to the facility	Cardiothoracic & Vascular Surgery (CTVS) Neruro Burn Unit
Percentage of patients referred IN from other region	15% 5% 5% 50% Delhi NCR (UP) NCR (Haryana) NCR (Rajasthan) Other States
Major ailments for which patients are referred IN to the facility	Cardio, Neuro, Gynaecology
The major ailments for which patients are referred OUT from facility to other facilities	No
Comments	It was reported by the hospital administration that they are facing a lot of problem due to unavailability of trained paramedical staffs and Doctors

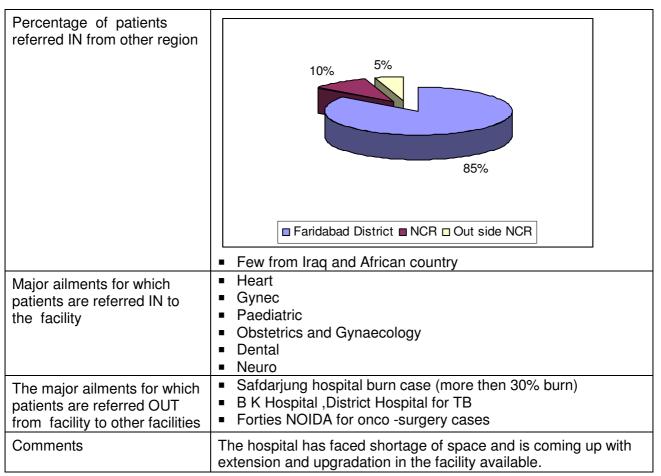
A.1.2. Narinder Mohan Hospital

Name of the Facility	Narinder Mohan Hospital, Mohan Nagar, Ghaziabad
Type of facility	Private- Super-speciality
Contact Details	Brig (Rerd.) Dr KBNS Dod Medical Superintendent Mob 09868994095
Brief about the hospital	The hospital is named as Narinder Mohan Hospital which is a charitable institution. The founder of this hospital is Late Padamshri Narinder Nath Mohan, who was the then Managing Director of Mohan Meakins Limited. He started the construction of this hospital in the year 1969. The hospital started functioning in the year 1974. The land area of the hospital is about 17 acres, which consists of hospital premises and the residential campus also. The total construction area of our hospital building, apart from residential area, is about 200 thousand Sq. Ft. which consists of all the departments i.e. OPD's, Indoor and Investigations etc. within the same premises. The hospital is located in Ghaziabad, at the eastern border of Delhi and is hardly 18 Kms from Delhi (i.e. Connaught Place). It is situated on the main G.T. Road going towards Ghaziabad.
Number of beds available (Total in the Facility)	300
Room Charges per bed per day	INR 1800 to INR 4620 depending upon the category of room. These charges include food, nursing and RMO visit.
Availability of Doctors/ Medical Category staff at the Facility	40
Availability of Para Medical staff at the Facility	303
Availability of Diagnostics at the Facility	 Hematology Biochemistry, Immunology, Microbiology. Histopathology & Cytology AngioGraphy(Coronary, Carotid, Peripheral) Angioplasty (Coronary, Carotid, peripheral) Balloon Valvuloplasty Electrophysiology Pacemaker Implantation: Temporary Pacing, Permanent Pacemaker ECG TMT Echo Colour Doppler Study of Heart, TEE Stress ECHO Holter Montoring Pulmonary Function Test Doppler Study of Carotid Vessels Peripheral Vascular Doppler
Area of Super Specialisation for which patients are referred IN to the facility	 Burns & Plastic Surgery Full fledged CARDIAC CENTRE Cardiac Surgeries Diabetes & Endocrinology

	 Gastroenterology Medicine Gastroentorology Surgical Geriatric Medicine Nephrology Neurology Neurosurgery Oncology Medicine Paediatric Surgery Urology (with Lithotripsy)
Percentage of patients referred IN from other region	15% 10% 60% Delhi NCR (UP) NCR (Haryana) NCR (Rajasthan)
Major ailments for which patients are referred IN to the facility	 Cardiology Dermatology Ear-Nose-Throat Eye Internal Medicine Obstetrics and Gynaecology Orthopaedics Paediatrics
The major ailments for which patients are referred OUT from facility to other facilities	AIIMS, GTB, Ram Manohar Lohia - poor patients only
Comments	This hospital is facing a major problem of lack of adequate manpower and because of this they are not able to run some specialisations.

A.1.3. Fortis Escorts Hospital

A.1.3. Fortis Escorts Hospital			
Name of the Facility	Fortis Escorts Hospital		
	Neelam Bata Road , Faridabad		
Type of facility	Private -Multi Specialty hospital		
Contact Details	Dr Pinak Moudgil		
	Medical Superintendent		
	Mob 09818590011		
Brief about the hospital	Fortis Escorts Hospital Faridabad is a 210 bedded, Multi Specialty hospital providing primary to tertiary medical care in all departments of medicine. It has a modern and superbly functional ambience along with technically superior & high quality competent Medicare. The services of this leading health care facility are sought by more than 100,000 patients every year. Fortis Escorts Hospital is also the first in the country to hold stringent ISO 9001-2000 status. It is the first hospital in Haryana to run comprehensive cardiac care program. It is also the first hospital in Haryana to run DNB Program of post graduate medical education in various specialisations.		
	Moreover this hospital is also approved for institutions like ECHS, CGHS, Public sector companies and Insurance companies along with various government and private corporate.		
Number of beds available (Total in the Facility)	210		
Room Charges per bed per day	INR 1500 to INR 6500 depending upon the category of room.		
Availability of Doctors/ Medical Category staff at the Facility	91		
Availability of Para Medical staff at the Facility	345		
Availability of services at the Facility	 Ultra Modern, Zero infection Operation Theatre dedicated for Cardiac Surgeries Post Operative Cardiac recovery room (with 5 Isolation beds, nurse: patient ratio of 1:1, along with round the clock availability of cardiologist) Well equipped cardiac care unit with 16 beds dedicated for cardiac patients. Dedicated cardiac ward with 8 beds. State of the art instrumentation including Image Intensifier, Most Advanced Super Speciality Dental Clinic, Advanced Gynaecological Laproscopy including fertility enhancing surgery Managing Infertility, Adolscent & Menopause Clinics 		
Area of Super Specialisation for which patients are referred IN to the facility	 Heart and Vascular Surgery Nephrology and Urology Gastroenterology Orthopaedics & Joint Replacement Paediatric Cosmetic & Reconstructive Surgery Ophthalmology Neurology & Neurosurgery 		



A.1.4. Dharamshila Hospital

Name of the Facility	Dharamshila Hospital, Dharamshila Marg, Vasundhara, Delhi
Type of facility	
Type of facility	Private - Specialty hospital
Contact Details	Dr Raja Dutta
	Medical Superintendent Mob- 09560450172
Brief about the hospital	Dharamshila hospital is the first and only cancer hospital of India accredited by NABH not only for cancer but all other allied specialities. Dharamshila Labs are also accredited by NABL. This hospital provides preventive, diagnostic, therapeutic, rehabilitative, palliative and support services under one roof. Responding to the healthcare needs of the community all other allied services like Neurosurgery, Cosmetic and Plastic Surgery, Dental and Faciomaxillary Surgery, Orthopaedics, Gastroenterology, Nephrology and Urology etc. have been added over a period of time. Dharamshila hospital was first in India to start three years full time doctorate course - DNB Medical Oncology in 2002, DNB Surgical Oncology in 2003 and Post Basic Diploma in Oncology Nursing in 2010. First private sector Blood Bank of
Number of beds available (Total	North India with cold room storage facilities for 8000 fresh frozen plasma and 2000 blood units. 299
in the Facility)	
Room Charges per bed per day	Not provided
Availability of Doctors/ Medical Category staff at the Facility	118
Availability of Para Medical staff at the Facility	396
Availability of services at the Facility	 Radiation Oncology at Dharamshila Hospital and Research Centre is one of the busiest departments servicing 50-60% of cancer patients. It provides facilities for IGRT, IMRT, SRS, SRT and SBRT using volumetric Arc Therapy (VMAT), Conventional 3D Radiation. The facility provides Therapy and Brachytherapy. IMRT (Intensity Modulated Radiation Therapy) IGRT (Image Guided Radiation Therapy) Stereotactic Radio surgery (SRS) Stereotactic Body Radiation Therapy (SBRT) Brachytherapy
Area of Super Specialisation for which patients are referred IN to the facility	■ Cancer

Percentage of patients referred IN from other region	10% 5% 40% 45% □ Delhi ■ NCR (UP) □ NCR (Haryana) □ Other states	
Major ailments for which patients are referred IN to the facility	Cancer	
The major ailments for which patients are referred OUT from facility to other facilities	No Referral	
Comments	Lack of trained manpower is a major problem this hospital is facing. They are also facing problem of staff retention as staff after training leave the hospital for better salary.	

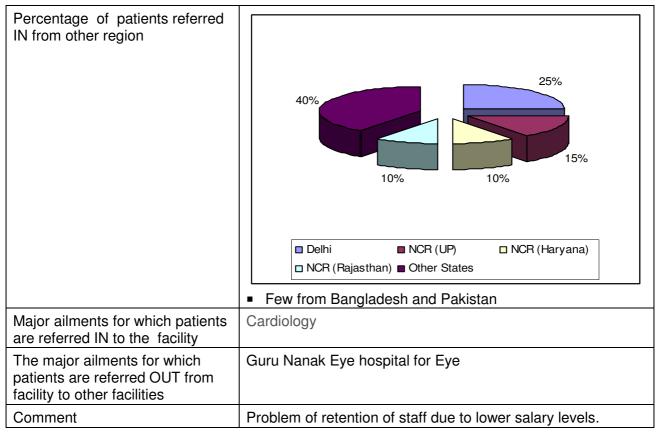
A.1.5. St.Stephen's Hospital

A.1.5. St.Stephen's Hospital	T
Name of the Facility	St.Stephens Hospital, Delhi
Type of facility	Super speciality
Contact Details	Dr. Grace Cheriyan, Deputy Director
	Mob. 09868399103
Brief about the hospital	St Stephen's Hospital is the oldest and one of the largest private Hospitals run in charitable mode in Delhi. Established in 1885, it has a capacity of about 600 beds, and is a super speciality tertiary care Hospital offering care in all Specialities and most super specialities. Apart from treating patients, the Hospital runs training
	programmes in various Speciality and Super speciality courses affiliated to the National Board of Examinations and recognized by the Medical Council of India
Number of beds available (Total in the Facility)	724
Room Charges per bed per day	Not Provided
Availability of Doctors/ Medical Category staff at the Facility	284
Availability of Para Medical staff at the Facility	3% 2% 80% Delhi NCR (UP) NCR (Haryana) Other states
Availability of services at the Facility	 Neonatology Paediatrics Cardiology Cardiac Surgery Neurology Orthopaedics
Area of Super Specialisation for which patients are referred IN to the facility	Paediatric surgeryOrthopaedic disorders
Percentage of patients referred IN from other region	
Major ailments for which patients are referred IN to the facility	 Paediatric surgery Orthopaedic disorders Cardiac Surgery Paediatric
The major ailments for which patients are referred OUT from	No referral

facility to other facilities	
Comment	Lack of trained manpower is a major problem this hospital is facing. They are also facing problem in staff retention as this is a charitable hospital and their salary structure is lower than even Government hospitals.

A.1.6. Govind Ballabh Pant Hospital

Name of the Facility	Govind Ballabh Pant Hospital, Delhi		
Type of facility	Government		
Contact Details	Dr. H.P. Singh Addl. Medical Superintendent Ph. No. 9718599004		
Brief about the hospital	The Foundation stone of Pt. Govind Ballabh Pant Hospital was laid in October 1961 and inaugurated by the then Prime Minister late Pundit Jawaharlal Nehru on 30th April 1964. Today it is a nationally recognized tertiary care institution for Heart, Brain and Gastrointestinal disorders. It offers specialized medical and surgical treatment to about 3 lakh patients in the OPD and almost 15,000 patients in General and Private wards every year. The institution offers post-doctoral D.M. degrees in		
	Cardiology, Neurology and Gastroenterology and M.Ch. degrees in Cardio thoracic Surgery, Neuro Surgery and Gastrointestinal Surgery. The students are also admitted in M.D. courses in the fields of Microbiology, Pathology, Psychiatry and Radio-Diagnosis - in association with Maulana Azad Medical College - a sister institution. In addition, many departments are recognized for PhD. courses and active research work is going on under their supervision. New proposal for expansion of 99 beds is under process.		
Number of beds available (Total in the Facility)	629		
Room Charges per bed per day	A/C private room is chargeable (@ INR 600 + INR 50 for food. Other all beds are free		
Availability of Doctors/ Medical Category staff at the Facility	At present out of 80 sanctioned posts, 57 are working as faculty members, 17 General Duty Medical Officers (G.D.M.O), 1 Specialist., 131 Senior Residents (S.R.) and 90 Junior Residents are also working there.		
Availability of Para Medical staff at the Facility	371 technical staff, 1042 Nursing Staff		
Availability of services at the Facility	 Neuropathology, Cardiovascular pathology, Gastrointestinal pathology, Cytology, Clinical pathology and hematology. 		
Area of Super Specialisation for which patients are referred IN to the facility	■ Cardiology		



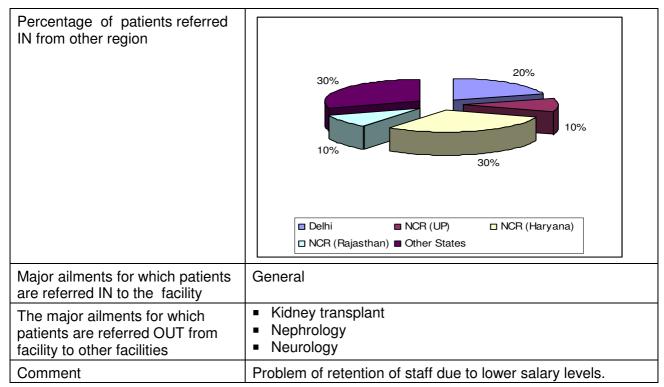
A.1.7. Guru Teg Bahadur Hospital

Name of the Facility	Guru Teg Bahadur Hospital, Dilshad Garden, Delhi	
Type of facility	Government – Tertiary care	
Contact Details	Dr. P. K. Malik	
	Deputy Medical Superintendent	
	Mob. – 9868399512	
Brief about the hospital	The University College of Medical Sciences (UCMS)s was established in 1971 as a Constituent College of University of Delhi. It imparts various medical and paramedical courses. Guru Teg Bahadur Hospital is the associated teaching hospital with 1000 beds.	
Number of beds available (Total in the Facility)	1014	
Room Charges per bed per day	Private rooms – INR 300 per day + Diet INR 50 per day + drugs and procedures and tests as per govt rates	
	Semi private – INR 150 per day + Diet INR 50 per day + drugs and procedures and tests as per govt rates	
	General & staff – all free of cost	
Availability of Doctors/ Medical Category staff at the Facility	Total 199 out of which 63 (grade A) are staff of GTB. There are 160 senior residents & 59 junior residents too.	
Availability of Para Medical staff at the Facility	1251 (982 permanent + 269 contractual staffs)	

Availability of services at the Facility	 Gynaecology Paediatrics & neonatal Ophthalmic Medicine Orthopaedic Surgery Dermatology Dental ENT Neurosurgery Neurology Accident & Emergency Burns and plastics Apart from the above, the facility has OPD for urology, psychiatry, anti retroviral diseases, pain clinic, anti-rabies clinic and ayurveda, homoeopathy and yoga. 	
Area of Super Specialisation for which patients are referred IN to the facility	No Specialisation	
Percentage of patients referred IN from other region	20% To% Delhi NCR (UP) NCR (Haryana) Other States	
Major ailments for which patients are referred IN to the facility	 Surgical Neurosurgical Neurological Burns and plastics Obstetrics & Gynaecological Paediatrics and Neonatal Eye ENT 	
The major ailments for which patients are referred OUT from facility to other facilities	For cardiac, vascular, facio-maxillary surgeries and for invitro fertilization, patients are reffered out to GB Pant Hospital, AIIMS and Safdarjung Hospital	
Comment	Problem of retention of staff due to lower salary levels.	

A.1.8. Post Graduate Institute of Medical Education & Research, Rohtak

Name of the Facility	Post Graduate Institute of Medical Education & Research, Rohtak	
Type of facility	Government -Medical College	
Contact Details	Dr Chand S Dhull Director Mob- 09896091449	
Brief about the hospital	Pt. B.D.Sharma, PGIMS, Rohtak is located at a distance of about 240 km from Chandigarh and about 70 km from Delhi on Delhi-Hissar-Sirsa-Fazilka National Highway (NH-10). It is the only major Institution for Medical Education and Research and a tertiary care centre for provision of specialized health care services not only to the people of the State of Haryana, but also to those from Punjab, Rajasthan, Delhi and western U.P. The Institute has a remarkably well developed campus spread over an area of 350 acres of land THE INSTITUTE COMPLEX houses the following buildings Medical College Well Equipped Hospital of 1597 beds Super-specialty Centre Multislice whole body CT Scan building De-addiction centre Dental College and Hospital Pharmacy College College of Nursing Future pan for the year 2011-2012 Trauma centre -40 bed Mother and child care centre – 200 bed State Institute of Mental Health under construction	
Number of beds available (Total in the Facility)	1597	
Room Charges per bed per day	A/C private room is chargeable `400. Other all beds are free	
Availability of Doctors/ Medical Category staff at the Facility	195	
Availability of Para Medical staff at the Facility	-	
Availability of services at the Facility	All facilities	
Area of Super Specialisation for which patients are referred IN to the facility	General	



A.1.9. Medanta – The Medicity

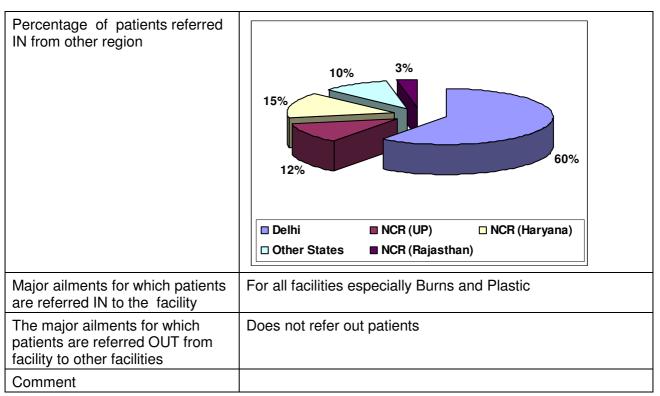
A. I. 9. Wedanta - The Wedicity		
Name of the Facility	Medanta – The Medicity	
Type of facility	Private – Multi speciality	
Contact Details	Dr Nalini Kaul Senior Consultant – Medical Affairs Mob- 9999921968	
Brief about the hospital	Medanta - The Medicity is a multi speciality hospital located in Gugaon Sector 38.	
Number of beds available (Total in the Facility)	497 (including 100 ICU beds)	
Room Charges per bed per day	A/C private room is chargeable (@ INR 400. Other all beds are free	
Availability of Doctors at the Facility	486	
Availability of Para Medical staff at the Facility	380 (excluding staff nurse)	
Availability of services at the Facility	All facilities	
Area of Super Specialisation for which patients are referred IN to the facility	 Renal and Liver Transplant Gastro and Gastro Intestinal Oncology Cardio Thoracic Vascular Surgery (CTVS) Cardiology Neurology & neurosurgery Nephrology & Urology Orthopaedics Internal Medicine 	

	 Obstetrics and Gynaecology Respiratory and Sleep Vascular Rheumatology Plastic Surgery ENT 	
Percentage of patients referred IN from other region	10% 20% 15% 15% □ Outside Country ■ NCR (Haryana) □ Gurgaon □ Other states ■ NCR Rajasthan □ Delhi	
Major ailments for which patients are referred IN to the facility	This hospital is promoting itself for medical tourism	
The major ailments for which patients are referred OUT from facility to other facilities	No referral	
Comment	There is shortage of trained paramedical staff in the facility. Lack of communication with international patients due to language barrier is another problem being faced by the paramedical staff and ward attendants.	

A.1.10. Vardhaman Mahavir Safdarjung Hospital

Name of the Facility	Vardhaman Mahavir Safdarjung Hospital	
Type of facility	Government – Super speciality	
Contact Details	Safdarjang Hospital, New Delhi - 110 029, EPABX: 26165060, 26165032, 26168336, FAX: 011-26163072	
Brief about the hospital	Safdarjung Hospital started as an American Army Base Hospital during the II World war. In 1947 it was made annexe to Irwin Hospital (Presently LNJP Hospital). It was taken over by the Central Government in 1954 and named as Safdarjung Hospital. Until the inception of All India Institute of Medical Science in 1956, Safdarjung Hospital was the only tertiary care hospital in South Delhi.	
Number of beds available (Total in the Facility)	1576	
Room Charges per bed per day	 There are a total of 34 wards providing free indoor patient care Free diet is provided to all patients in General Wards Investigations like CAT scan, Ultrasound, Barium Meal, ECHO, TMT etc are charged for as per Govt. approved rates. For poor patients, these charges can be waived partially 	

Availability of Doctors at the Facility	or fully by the Additional Medical Superintendent on the recommendations of the H.O.D. ■ In case of emergency C.M.O on duty may waive off these charges. 352 Grade A + 550 Senior residents & Junior residents
Availability of Para Medical staff at the Facility	1896 (1122 nursing staffs + 774 paramedical staffs)
Availability of services at the Facility	 Coronary Artery Bypass Surgery Heart Valves Replacement and repair Surgery Congenital Heart Disease Repair Surgeries Angiography and Angioplasty Total Hip Replacement surgery Knee Replacement Surgery Arthroscopies and Arthroscopy assisted surgery of joints Sports Injury Clinic Lithotripsy for Kidney stones Dialysis for Kidney Failure patients Laparoscopic Chole-cystectomy Radiotherapy Cancer Surgery Artificial Limb Implant Facility Antiretroviral therapy for AIDS patients DOTS for TB patients Ayurveda, Homeopathy & Unani treatment Centres Advanced Diagnostics like Blood Tests by Fully automated Machines, Mammography, MRI, Digital X-Ray, OPG, Whole Body Spiral CT Scan etc
Area of Super Specialisation for which patients are referred IN to the facility	 Cardiac Surgery (CTVS) Cardiology Neurology Nephrology Nuclear medicine Medical Oncology Neurosurgery Respiratory Medicine Endocrinology Haematology Gastroenterology Urology Cancer Surgery Burns and Plastic surgery Paediatric Surgery



A.1.11. All India Institute of Medical Sciences (AIIMS)

Name of the Facility	All India Institute of Medical Sciences (AIIMS)	
Type of facility	Government – Super Specialty	
Contact Details	AIIMS Main Hospital is located at Ansari Nagar, in front of Safdarjung Hospital at the crossing of Ring Road and Aurobindo Marg. Main entrance is on Aurobindo Marg	
Brief about the hospital	All-India Institute of Medical Sciences was established as an institution of national importance by an Act of Parliament with the objects to develop patterns of teaching in Undergraduate and Post-graduate Medical Education in all its branches so as to demonstrate a high standard of Medical Education in India; to bring together in one place educational facilities of the highest order for the training of personnel in all important branches of health activity; and to attain self-sufficiency in Post-graduate Medical Education.	
	The Institute has comprehensive facilities for teaching, research and patient-care. As provided in the Act, AIIMS conducts teaching programs in medical and para-medical courses both at undergraduate and postgraduate levels and awards its own degrees. Teaching and research are conducted in 42 disciplines. In the field of medical research AIIMS is the lead, having more than 600 research publications by its faculty and researchers in a year. AIIMS also runs a College of Nursing and trains students for B.Sc.(Hons.)	

	Nursing post-certificate) degrees.	
	Twenty-five clinical departments including four super specialty centers manage practically all types of disease conditions with support from pre- and Para-clinical departments. However, burn cases, dog-bite cases and patients suffering from infectious diseases are not entertained in the AIIMS Hospital. AIIMS also manages a 60-beded hospital in the Comprehensive Rural Health Centre at Ballabgarh in Haryana and provides health cover to about 2.5 lakh population through the Centre for Community Medicine.	
Number of beds available (Total in the Facility)	1803 beds (including newly constructed Emergency & Private wards)	
Room Charges per bed per day	General Ward - currently Rs. 375 - the rates approved by Government (to be deposited in advance of 10 days). This entitles them for doctor's consultations, certain basic investigations, life saving medicines and surgical items, diet, linen, I.V. fluids etc. Private Wards: The hospitalization charges (Inclusive of doctors visit fee and routine investigation, diet etc.) of private room are as under:- Deluxe (A Class) - Rs. 1700/- per day Semi Deluxe (B Class) - Rs. 1100/- per day	
Availability of Doctors/ Medical Category staff at the Facility	1323 doctors (incl. Faculty members, Sr. and Jr. Residents).	
Availability of Para Medical staff at the Facility	1810 Nurses	
Availability of services at the Facility	 Anaesthesiology Anatomy Biochemistry Biomedical Engineering Biostatistics Biotechnology Cardiology Cardiology Centre for Community Medicine College of Nursing Dermatology & Venereology Endocrinology, Metabolism & Diabetes Forensic Medicine Gastroenterology and Human Nutrition Gastrointestinal Surgery Nuclear Magnetic Resonance Imaging Obstetrics and Gynaecology Otrhipaedics Paediatrics Paediatric Surgery Pathology Pharmacology Physical Medicine & Rehabilitation Psychiatry Radio Diagnosis Reproductive Biology Surgical Disciplines Transplant Immunology Immunogenetics Transfusion Medicine 	

	 Haematology (Blood Bank) Hospital Urology Administration Laboratory Medicine Medicine Microbiology 	
Other facilities available	 Medical Social & Welfare Services National Poisons Information Centre Organ Retrieval Banking Organisation Patent Cell Stem Cell Facility Telemedicine Facility 	
Area of Super Specialisation for which patients are referred IN to the facility	 Cardio Thoracic and Neuro Sciences Centre. Dr. Rajendra Prasad Centre for Ophthalmic Sciences. Dr. B.R. Ambedkar Institute Rotary Cancer Hospital. National Drugs Dependency Treatment Centre, Ghaziabad 	
Specialty Centres	 Centre for Dental Education and Research Neurosciences Centre Jai Prakash Narayan Apex Trauma Center 	
Percentage of patients referred IN from other region	5% 5% 20% 15% 15% 10% NCR (UP) NCR (Haryana) Other States NCR (Rajasthan) Other Countries	
Major ailments for which patients are referred IN to the facility	All facilities	
The major ailments for which patients are referred OUT from facility to other facilities	None	
Comment		

Appendix B. Terms of Reference V/S Scope of Work Addressed

SI.No.	Scope of Work	Chapters No
1	Literature survey – a brief discussion of previous works related to various aspects of health infrastructure in NCR	Collected data provide as Appendix C
2	Assessment of existing infrastructure facilities as per level of care (primary, secondary, tertiary including superspeciality) at different hierarchical levels in government sector, like sub centre, primary health centre, community health centre, govt hospital, sub-divisional hospital, and non-govt sector, like dispensary, nursing home, clinic, hospital and referral facilities in both government and private sector. The information to be provided on a map (GIS). Assessment of health care related services such as ambulance, no. of beds, etc.	Chapter 2
3	Primary survey in major referral hospital to assess the number of patients, types of diseases, no. of patients referred to hospitals from outside NCR/ by location.	Chapter 3
4	Indian systems of medicine (AYUSH) in NCR – facilities available, relevance, etc. Needs assessment and study of population characteristics and assessment of current & future needs on the basis of population projection (demand-supply gap).	Chapter 2 Section -2.6 Chapter-5
5	Needs assessment and study of population characteristics and assessment of current & future needs on the basis of population projection.	Chapter 5
6	Study of norms and policies of WHO, IPHS norms, Government of India and constituent states of NCR i.e. beds/population ratio, doctor/population ratio (i.e. population norms), accessibility norms, etc. and prepare a comparative and accordingly recommend optimum norms for NCR for urban and rural areas.	Chapter 4
7	Identification of sub-region wise & district-wise issues, problems and future health infrastructure requirements to meet likely demand.	Chapter 6
8	Preparation of action plan, identification of projects in different Sub-regions/districts of NCR and possibility of public-private partnership for provision of new facilities.	Chapter 6 & 7
9	Conducting a workshop (about 100 participants) with the participating States and concerned stakeholders before finalizing the report.	Organised on August 2015

Appendix C. Performa of Collection of Information & Questionnaires

C.1. Checklist for Mapping

Checklist for Mapping Health Facilities

For All	l Facilities								
Name	of the Facility:								
	of Health Facility:	District Hospital	District Hospital CHC PHC Sub-centre						
		Private Hospital	Privat	e Nursing Home					
	ss of the Facility:								
	ation to be collected								
S.No.	Particulars	Details							
1.	Covered area of the facility/								
	building (approximate)								
2.	No. of OPDs functioning								
3.	Types of OPDs functioning:	Yes-1, No-2							
		General Medicine		Paediatrics					
		General Surgery		Paediatric Surgery					
		Neuro-Surgery		Cardiac Surgery					
		Obstetric & Gynaecolo	gy	Eye					
		ENT		Skin					
		Urology		Cardiology					
		Psychiatry		Radiotherapy					
		Neurology		Orthopaedics					
		Burns & plastics		Dental OPD					
		Ayurveda		Yoga					
		Unani		Siddha	4				
		Homeopathy		Any other (specify)					
4.	Inpatient facility available (Yes-1, No-2)								
5.	Number of Beds available								
6.	Number of Beds Occupied presently								
7.	Average occupancy rate								
8.	Percentage Patients from	District NCR		Outside NCR Abroad]				
9.	Total number of Ambulance available	General		Trauma					
10.	Are the following facilities available:	Yes-1, No-2							
	avanabio.	Blood test		Histopathology test					
		Urine test		Radiological test					
		Operation facility		Emergency care facility					
		CSSD		Blood Storage Facility					
		Blood Bank Facility		Blood Bank Facility – without					
		with component		component					
		Kitchen		Laundry					
11.	Total Number of Doctors available								
12.	Number of following human re	esources available:							
		General Physicians		General Surgeons					
		Obstetrician & Gynaecolo	gists	Paediatricians					
		Paediatric Surgeon		Cardiologists					
		Cardio-thoracic Vascular		Gastro-enterologists					
		Surgeons							
		Nephrologists		Urologists					
		Neurologists		Neurosurgeons					
		Oncologists		Endocrinologists					
		Ayurveda		Yoga					
		Unani		Siddha					
		Homeopathy		Anaesthetists					
		Paramedical staffs			ł				

C.2. Checklist of Chief District Medical & Health Officer /Chief Medical Officer

Checklist of Chief District Medical & Health Officer / Chief Medical Officer – Information Status

Q No	Faridabad	Gurgaon,	Rohtak	Sonepat	Rewari,	Jhajjar	Mewat	Panipat	Palwal	Alwar	Meerut,	Ghaziabad	Gautam Buddha Nagar	Bulandshahr	Baghpat	Delhi
2001																
2003																
2004																
2005																
2006																
2007																
2008																
2009																
2010																
2011																
2012																
2013																
2014																
2015																
2016																
2017																
2018																
2019																
2020																
2021																

Checklist of District Medical Officer

Q No	Faridabad	Gurgaon,	Rohtak	Sonepat	Rewari,	Jhajjar	Mewat	Panipat	Palwal	Alwar	Meerut,	Ghaziabad	Gautam Buddha Nagar	Bulandshahr	Baghpat	Delhi
2022																
2023																
2024																
2025																
Meeting with IMA																

Note

Information collected put -Yes

Partly collected put - Part

Not available put- NA

Not collected put- No

Study on Health Infrastructure in NC	Study on	Health	Infrastructure	in	NCF
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SECTION –I- Identification

State		
District		
Name of the health facility		
Type of Facility		
Government1		Go to 1005
Private2		Go to 1006
If Government		
District Hospital1		
Others3		
If Private Hospital		
General1		
Speciality2 Super Speciality3		
Nursing Home4		
Name of the interviewee		
Contact Address		
Tal Na		
Mobile No.		
Email if any		
	District Name of the health facility Type of Facility Government	District Hospital District District

SECTION –II- Basic Information

	### CTION -II- Basic Information ### mber of beds available (Total in the Facility)								
2001	Name of Ward	Male	Female	Total	Total number of patien admitted during last year	t number of stay per patient	Unit cost/day		
2002	Delivery room (including pre and post delivery)								
2003	Deluxe Suits								
2004	Deluxe Room								
2005	Double Bed								
2006	General								
2007	Intensive Care Unit (ICU)								
2008	Deluxe Suits								
2009	Deluxe Room								
2010	Double Bed								
2011	General								
2012	Surgical Wards								
2013	Deluxe Suits								
2014	Deluxe Room								
2015	Double Bed								
2016	General								
2017	Gynaecology Wards								
2018	Deluxe Suits								
2019	Deluxe Room								
2020	Double Bed								
2021	General								
2022	Paediatric Wards								
2023	Deluxe Suits								
2024	Deluxe Room								
2025	Double Bed								
2026	General								
2027	General Wards								
2028	Deluxe Suits								
2029	Deluxe Room								
2030	Double Bed								
2031	General								
2032	Availability of different facility	at the Ho	spital	•		·			
2033	Availability of Doctors/	Re	gular	Cont	ract	Total			

	Medical Category staff at the Facility	
2034	Chief Medical Superintendent	
2035	Medical Specialist	
2036	Surgery Specialists	
2037	O&G specialist	
2038	Psychiatrist	
2039	Dermatologist / Venereologist	
2040	Paediatrician	
2041	Anaesthetist (Regular / trained)	
2042	ENT Surgeon	
2043	Ophthalmologist	
2044	Orthopaedician	
2045	Radiologist	
2046	Microbiologist	
2047	Pathologist and Blood Bank Incharge	
2048	Casualty Doctors / General	
2049	Dental Surgeon	
2050	Forensic Specialist	
2051	Public Health Manager	
2052	AYUSH Physician	
2053	Environmental Officer	
2054	Waste Management Officer	
2055	Availability of Para Medical staff at the Facility	
2056	Staff Nurse	
2057	Infection Control Nurse	
2058	Hospital worker (OP/ward +OT+ blood bank)	
2059	Sanitary Worker	
2060	Ophthalmic Assistant / Refractionist	
2061	Social Worker / Counsellor	
2062	Dermatology/STD/Leprosy Technician	
2063	AIDS/STD Counsellor cum field Support	
2064	Cytotechnician	
2065	ECG Technician	
2066	ECHO Technician	

2067	Audiometrician				
2068	Laboratory Technician (Lab + Blood Bank)				
2069	Laboratory Attendant (Hospital Worker)				
2070	Dietician				
2071	PFT Technician				
2072	Maternity assistant (ANM)				
2073	Radiographer				
2074	Dark Room Assistant				
2075	Pharmacist				
2076	Matron				
2077	Physiotherapist				
2078	Statistical Assistant				
2079	Medical Records Officer / Technician				
2080	Electrician				
2081	Availability of Equipments at the Facility -	Functional	Non Functional	Total	Unit cost
2082	Imaging equipments				
2083	X Ray Room Accessories				
2084	Cardiac Equipments				
2085	Labour ward & Neo Natal Equipments				
2086	Ear Nose Throat Equipments				
2087	Eye Equipments				
2088	Dental Equipments				
2089	Operation Theatre Equipment				
2090	Laboratory Equipments				
2091	Surgical Equipment Sets				
2092	Physio Therapy Equipments				
2093	Endoscopy Equipments				
2094	Anaesthesia Equipments				
2095	Furniture & Hospital Accessories				
2096	PM equipments				
2097	Linen				
2098	Teaching Equipments				
2099	Administration				
2100	Refrigeration & AC				
2101	Hospital Plants				

2102	Hospital Fittings & Necessities							
2103	Transport							
2104	Availability of Diagnostics at th	e Facility						
2105	CLINICAL PATHOLOGY		Yes-1, No-2	If Yes Uni	t Cost			
2106	Haematology							
2107	Urine Analysis							
2108	Stool Analysis							
2109	Semen Analysis							
2110	CSF Analysis							
2111	Aspirated fluids							
2112	Pathology							
2113	PAP smear							
2114	Sputum							
2115	Haematology							
2116	Histopathology							
2117	Microbiology							
2118	Serology							
2119	Endoscopy							
2120	Physiology							
2121	Radiology							
2122	X Ray							
2123	ECG							
2124	Ultra Sound							
2125	C Scan							
2126	Water Supply Yes-1, No-2		If Yes Source of supply					
2127	Electricity Yes-1, No-2							
2128	Power Backup (Generator, Inverter, etc.) Yes-1, No-2							
2129	Sewage/Drainage Yes-1, No-2							
2130	System of Biomedical Waste Handling & Disposal: Yes-1, No-2							
2131	If Yes							
2132	whether it is 'Segregated in Separa prescribed methods (Yes-1,No-2)	ate bins and Mutilate	ed before Disposa	' following the				
2133	System of Disposal (Buried in a Pit-1, Collected by an Agency-2, Others (specify)-3)							

SECTION –III- Information on Medicine

3001	Whether medicine available in the facility Yes-1, No-2	If No go to 3002
3002	If Yes ,Condition of availability of Medicines in general (Generally availability -1, Some are in short supply-2, Many are in short supply-3)	
3003	Whether there is any shortage of Medicines (Yes-1, No-2)	
3004	If Yes , specify the name of medicines in Short Supply	

SECTION –IV- Information on Referral System

<u> SEC</u>	TION –IV- Information on Referral Syste	m		,
4001	Do you have Referral facility Yes -1, No-2			If No Go to 4004
4002		Name	In Number	
		Delhi		
		NCR (UP)		
	If Yes Please give the number of patients referred IN from	NCR (Haryana)		
	other health facilities situated in	NCR (Rajasthan)		
		Other States		
		Other Country		
4003	Which are the countries, where patients are generally referred from?			
4004	What are the major ailments for which patients are referred IN to your facility?			
4004	Do you refer patients OUT to other facility?			If No
	Yes -1, No-2			Go to 5001
4005		Other facility in		
		Delhi Yes-1, No-		
		2		
		Other facility in		
		NCR. Yes-1, No-		
		2		
	Where do you refer OUT your patients?	Other state Yes-		
		1, No-2		
		Other country Yes-1, No-2		

Tool for Hospital Administration of Tertiary & Super Speciality Hospitals

4006	Please name the facilities where you refer OUT your patients	Other facility in Delhi	
		Other facility in NCR .	
		Other state	
		Other country	
4007	What are the major ailments for which patients are referred OUT from your facility to other facilities?		

SECTION –V- Suggestion

5001	Please provide us s	suggestion for better utilisation of the following in any health facility on
5002	Infrastructure	
5003	Human Resource	
5004	Equipments	
5005	Medicine	

Signature of the Researcher Date:

Signature of the Supervisor Date:

C.4. Tool for Doctors Referral Hospitals

Tool for Doctors Referral Hospitals

SECTION –I- Identification

1001	State	
1002	District	
1003	Name of the health facility	
1004	Type of Facility	
	Government1	Go to 1005
	Private2	Go to 1006
1005	If Government	
	District Hospital1 CHC2 Others3	
1006	If Private Hospital	
	General1 Speciality2 Super Speciality3 Nursing Home4 Others (Specify)	
1007	Name of the interviewee	
1008	Contact Address	
1009	Tel No.	
1010	Mobile No.	
1011	Email if any	
1012	Association with the hospital	
	Regular1 Visiting Doctor2	
1013	Professional qualification	
1014	Specialisation	
	Physician1 Surgeon2 Specialization (if any)3	
1015	Years of Experience	

SECTION –II- General Information

SI No	Questions	Responses		Skip to
2001	What is the average working hours in a week			
2002	What is the frequency of emergency ward duty			
2003	What is the frequency of night shifts			
2004	What is the average hours rendered in OPD in a week			
2005		Highly demanding		
	How would you rate the work load Yes-1, No-2	Bearable		
	100 1,110 2	Comfortable		

SECTION –III- Quality of Service

3001	How do you rate the performance	Nursing	Attendant and	Paramedical	Others	
	of?	staff	Ward boys	staffs		
3002	Excellent					
3003	Very good					
3004	Good					
3005	Average					
3006	How do you rate the performance of	of facilities	as per the following	scale		
	Excellent -1, Very good- 2, Good-3	3, Average	e- 4, Poor- 5, Not ap	oplicable- 0		
3007	Name of facility	Rate	Name of facility	Rate		
3008	OPD Rooms		Laboratory			
3009	In patient wards		X-ray			
3010	Maternity ward		Ultra Sound			
			Facility			
3011	Child care		Pharmacy			
3012	ICCU Ward		Ambulance			
3013	Neonatal care ward		Generator			
3014	Availability of Beds		Telephone or other			
			communication			
3015	Minor Operation theatre		Accommodation facility for medical staff			

Tool for Doctors of Referral Hospitals

			1001	for Doctors of	Referral F	Tospitais
3016	Major operation theatre		Electricity supply			
221-						
3017	Medicine		Water supply at			
			your cabin			
3018	Blood Bank		Other			
3019	Other					
3020						
3021						
3022						
3023	How many patients visit OPD per day					
3024	Total number of patients admitted as inpatients in last month -TELL US TENTATIVELY					
3025	What is the impact of work load on quality service rendered by	High			1	
	medical staff	Significar	nt	:	2	
		Moderate		;	3	
		Little			4	
		No effect			5	
3026	Please give the number of patients referred IN from other	Delhi				
	health facilities situated in Yes-1, No-2	NCR (UP	P)			
	, -	NCR (Haryana)				
		NCR (Rajasthan)				
		Other States				
		Other Co	untry			
3027	Does the facility have adequate supply of life saving medicine? Yes-1, No-2, Partly -3					
3028	How many life support systems are available in this facility? Yes-1, No-2, Partly -3					

SECTION –IV- Suggestion

4001	What assistance is red	quired for further improvement of this facility?
4002	Infrastructure	
4003	Human Resource	
4004	Equipments	
4005	Medicine	

Signature of the Researcher Date:

Signature of the Supervisor Date:

C.5. In Patient Schedule

In Patient Schedule

SECTION –I- Identification – Facility Attended by the In Patient (Information to be collected from In Patients (or Relative or Friends accompanying the In Patient) who are currently admitted in the Facilities at the time of the visit in the facilities)

1001	In Patient Schedule No	, me risii in me jaenimes)	
1001	III I alient Schedule No		
1002	Location of the Facility admitted in (Rural-1, Urban-2)		
1003	District (Name)		
1004	Type of the Facility (DH-1, CHC-2, Private Hospital-3, Others-4)		
1005	Name & Address of the Facility		
1006	Respondent (Self-1, Relative-2, Friends/Others-3)		
1007	Have you been referred from other health facility Yes-1, No-2		
	If Yes Nature of referee health facility		
1008	Government1 Private2		
		District hospital	1
1009	If Government	Sub-division level hospital	2
	Type of referee health facility	Primary Health Centre	3
		Others	4
		Dispensary	1
1010	If Private Hospital	Clinic	2
1010	Type of referee health facility	Nursing Home	3
		Hospital	4
		Treatment not available in previous hospital	1
1011	What is the cause of referral	Better provision of treatment in this facility	2
		Critical condition of patient	3
		Others (please specify)	
		Delhi	1
		NCR (UP)	2
1012		NCR (Haryana)	3
	Region where you are coming from	NCR (Rajasthan)	4
	gg	Other countries (please	
		specify)	
		Other states (please	
		specify)	

SECTION –II- Background Information of the In Patient

<u> </u>	HON –II- Background Information of the In Patient
2001	Name
2002	Location (Rural-1, Urban-2)
2003	Village/Town
2004	Gram Panchayat/Municipality
2005	Tehsil / Taluka / Block
2006	District
2007	Sex (Male-1 Female-2)
2008	Age (in complete years)
2009	Patient Staying in NCR (Yes-1, No-2)
2010	Marital Status (<i>Unmarried-1</i> , <i>Married-2</i> , <i>Widowed-3</i> Divorced/Separated-4)
	Highest level of Schooling/ Education Attainment (Not literate-00, Literate but never attended school-01; Attended school but not beyond that: Specify the highest Class attended (Class I-XII); Attended above School Education
2011	Programme: specify the Degree/Diploma) Employment Status (Employed-1, Unemployed-2, Out of Labour
2012	Force-3)
2013	If 1 in Q.2.12, Mention the Principal Employment Status (Self-employed in Non-Ag-1, Ag Labour-2, Casual Labour-3, Self-employed in Ag-4, Others (specify)-9)
2014	Whether the Patient's family/In patient has BPL Card: (Yes-1, No-2)
2015	Average Monthly Income (Rs) of the patient's family (less than 5000-1, 5000~10000-2,10000~15000-3, 15000~20000-4, 20000~25000-5, more than 25000-9)
2016	Reason for being admitted in the Facility (describe the ailment):
2017	Type of Ward Admitted in (General-1, Surgery-2, Gynaecology-3, Paediatric-4, Others (specify)-9)
2018	From where this patient is referred here/who has referred: (DH-1, CHC-2, PHC-3, Pvt. Doctor/Clinic-5, Self/Family-6, Others (specify)-7)
2019	Reason for getting treatment from/visiting this particular Facility (On recommendation-1, Closest to own dwelling-2, No other facility in the area -3, Facility well equipped-4, Particular specialist available-5, Others (specify)-9)
2020	Is this your (patient) first visit to this facility (Yes-1, No-2)
2021	If Yes, no of times visited

SECTION –III- Information on Accessibility

SE	CTION –III- Information on A	Accessibilit	y			
3001	Distance of the visited health facility from residence (in km)					
	facility from residence (iii kili)	Ambulance			1	2
		Public Transp	oort		1	2
	Mode of transport used for	Private vehic			1	2
	reaching the health facility	Free Vehicle		ov some	•	
3002		trust/NGOs	arrangear	by some	1	2
	(Encircle All Applicable	Local health	centre's tra	nsport	1	2
	Responses)	On foot / rick			1	2
		Others			-	
	What is the distance of the mentioned types of health facilities (government sector) from your residence and facilities to reach there? (give distance in km)	Facility	Distance in KM.	Available publi facility to Read (Auto/bus)		required for at in mint.
		District level hospital				
		Sub-division level hospital				
		Rural hospital				
3003		Primary Health Centre				
		Sub-centre				
		Dispensary/ Clinic				
		Nursing Home				
		Other (specify)				

SECTION –IV-Quality of Services

4001	What do you think about the waiting time of the following places? Mention Average time in			
	minutes			
	Registration			
	Doctor's Call			
	Examination Time			
	Getting Injection / Medicines			
	Dressings			
	Laboratory/pathology Test			
	X Ray			
	Paying Bills			
4002	Are you satisfied with the behaviour of			
	Codes: 1-very dissatisfied, 2-dissatisfied, 3-ave	rage, 4-good, 5-highly satisfied		
	Doctor			
	Nurse			
	Pharmacist			
	Technical staff			
	Ward Boys			
	Others Specify			
4003	Did the doctor listen to your (patient's)			

In Patient Schedule

	complaints?	
	Yes-1, patiently Yes-2, somewhat patiently-3	
	did not listen -4, did not interact / Not	
1001	applicable-5	
4004	Did the doctor let you ask questions?	
	Yes-1, always Yes-2, sometimes-3, did not	
	interact / Not applicable -5, No-5	
4005	Did the doctor respond to your (patient's) questions	
	Yes-1, patiently Yes-2, somewhat patiently-3, did not respond Did not interact / Not applicable	
4006	Did the doctor discuss with you (patient) about ailment and recovery	
	Yes-1, No-2, did not interact / Not applicable-	
4007	Over all, were your patient/you satisfied with the treatment	
	To answer the above question use the	
	following codes: 1-very dissatisfied, 2- dissatisfied, 3-average, 4-good, 5-highly	
	satisfied	
4008	If very dissatisfied and dissatisfied what was	
	the reasons	
	Lack of facilities -1, poor quality of service -2, bad experience with doctor-3,	
	Charges too high-4, others-5	
4009	Would you like to visit this facility again	If Yes go to
	Yes-1, No-2	4012
4010	If yes give reason	
	This gives best available treatment-1,The doctors	
	are very good -2,Other services are very good-3,	
	The charges are affordable we get value for	
	money-4, I get all services at one place-5, The facility has reputation-6, This facility is close to my	
	residence-7	
4011	If No give reason	
4012	Would you recommend this facility to others	
4040	Yes-1, No-2	
4013	Would you (patient) come to this facility even	
	if the treatment purpose is served at a place closer to your residence	
	Yes-1, No-2, Cant say-3	
4015	Did you find proper instructions to find the	
	services	
<u> </u>	Yes, always-1, Yes, sometimes-2, No-3	

SECTION -V- Affordability

3EC	ΓΙΟΝ –V- Affordability		
5001	Did you find the service expensive in comparison to other facilities visited earlier		
	Yes, very expensive-1, Yes, somewhat expensive-2, Same as others-3, No, less expensive -4, No-5, very economical – 6, Don't know / can't say -7		
5002	Did you find the service affordable in		
	comparison to other facilities visited earlier		
	Yes, very much-1, Yes, somewhat-2, Same as others -3, No, less-4, Don't know / can't say-5.		
5003	Diet		
5004	Whether the Facility provides Diet to In Patients (Yes-1, No-2)		If Yes go to 5005 If No go to 5012
5005	If Yes Whether the In Patient consuming the food supplied by the facility? (Yes-1, No-2)		If Yes go to 5006 If No go to 5011
5006	T (B) () ()	Breakfast	
	Type of Diet provided	Lunch	
	(Multiple response possible)	Tea/Snacks	
	Yes-1, No-2	Dinner	
5007	Quantity of Food (Sufficeint-1, Somewhat sufficient-2, Not sufficient-3)		
5008	Quality of Food (Satisfactory-1, Somewhat satisfactory-2, Not Satisfactory-3)		
5009	If Diet is not Free of Cost, Specify Amount (Rs) Spent on Diet/Day for the In Patient only (Leave the Box 'Blank', if Diet is Free of Cost)		
5010	If the In Patient has to pay any extra money to get Food/ Better Quality Food, even if Diet is Free of Cost (Rs), specify the Amount/Day (Leave the Box 'Blank', if No extra money is paid)		
5011	Peacen for not concuming food provided by	Poor Quality Insufficient quantity	
	Reason for not consuming food provided by the facility Yes-1, No-2 (Multiple response possible)	Facility staff non cooperative	
		Others (specify)	
5012	If Diet is not provided by the Facility at all ('No' in Q. 7.1), Specify Amount (Rs) Spent on Diet/Day for the In Patient only		

SECTION –VI-Perception about the services available at the location /district of patient

6001	Perception about the facility available at their district/location (Encircle All Applicable Responses)	Yes	No
	Availability of good doctors	1	2
	Availability of good paramedical staff	1	2
	Availability of good quality of medicine paramedical staff	1	2
	Availability of beds in the hospital	1	2
	Availability of good quality and latest equipment at the facility	1	2
	Availability of multi speciality hospital	1	2
	Not easily accessibility	1	2
	Others specify		

SECTION –VII-Suggestion for future improvement of this facility

7001	What suggestion do you have for upgradation of this facility	
7002	If you (patient) are coming from a distant place, what problems did you face outside the health facility?	
7003	What suggestion do you have for availability of diet of this facility	

Signature of the Researcher	Signature of the Supervisor
Date:	Date:

Appendix D. GIS Maps

DELHI DISTRICT MAP Sisana Kundli Kharkhauda Khekra Private Hospital GOVT HOSPITAL **Private Nursing** Private Nursing Private Hospital ND Private Hospital Private Hospital Private Nursing Private Nursing
Private Nursing
Private Hospital
Private Hospital /Private Hospital Private Hospital
Private Hospital
Private Hospital
Private Hospital
Private Hospital GOVT HOSPITAL Karawalnagar Private Hospital GOVT HOSPITAL Private Hospital GOVT HOSPITAL

Private Hospital GOVT HOSPITAL

Private Nursing Private Nursing Private HospitalGOVT HOSPITAL _Private Hospital (dehroti) Private Nursing/ Private Hospital
Private NursingPrivate Nursing
Private Nursing Private Hospital
Private Nursing
Private Hospital
Private Hospita GOVT HOSPITAL GOVT HOSPITAL CONTROLL BAHADURGARH Private Hospital **Private Nursing** Private Hospital Private Nursing Private Nursing Private Hospital
Private Nursing
Private Hospital
Private Nursing
Private Hospital
Private Hospital Private Hospital DISPENSARY DISPENSARY Private Hospital Private Nursing Private Hospital Private GOVT HOSPITAL GOVT HOSPITAL
TAL Private Multispe GOVT HOSPITAL Private Hospital Dispensary

GOVT HOSPITAL

GOVT HOSPITAL

Private Nursing

DISPENSARY

DISPENSARY

Private Nursing

Private Nursing Private Hospital GOVT HOSPITAL GOVT HOSPITAL GOVT HOSPITAL Private Nursing Bapania Private Numing Private Hospita Private Nursing GOVT HOSPITALGOVT HOSPITAL Private NursingGOVT HOSPITA
Private Hursing Private Nursing
Private Nursing Private Nursing

GOVT HOSPITAL

Private Nursing

Private Nursing

Private Nursing

Private Nursing

Private Nursing

Private Nursing Private Nursing Private Hospital Private Hospital Others

Private Hospital Private Hospital Private Hospital Private Nursing DISPENSARY GOVT HOSPITAL DISPENSARY Private Hospital Private Hospital Private Hospital Priva GOVT HOSPITAL GOVT HOSPITAL GOVT HOSPITAL Private Nursing
Private Nursing
Private Hospital
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Private Nursing GOVT HOSPITAL GOVT HOSPITAL GOVT HOSPITAL Private Multispe Private Hospital GOVT HOSPITAL GOVT HOSPITAL Private Nursing Private Hospital Private Nursing DISPENSAR Private Nursing Private Nursing GOVT HOSPITAL GOVT HOSPITAL
Private Hospital DISPENSARY Private Hospital GOVT HOSPITAL Private Nursing GOV HOSPITAL Private Nursing Private Hospital

GOVT HOSPITAL

Private Nursing

Private Nursing

Private Nursing

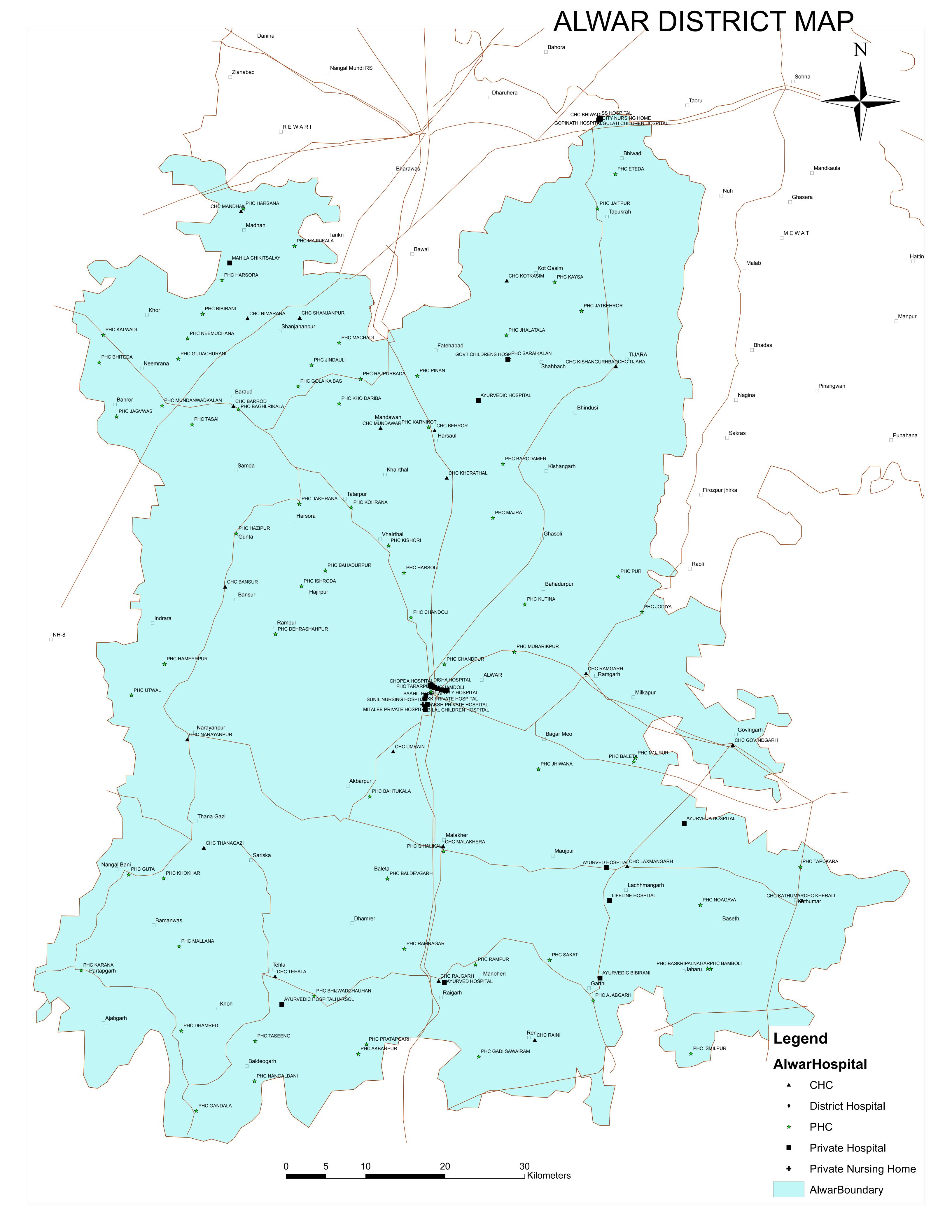
Private Nursing

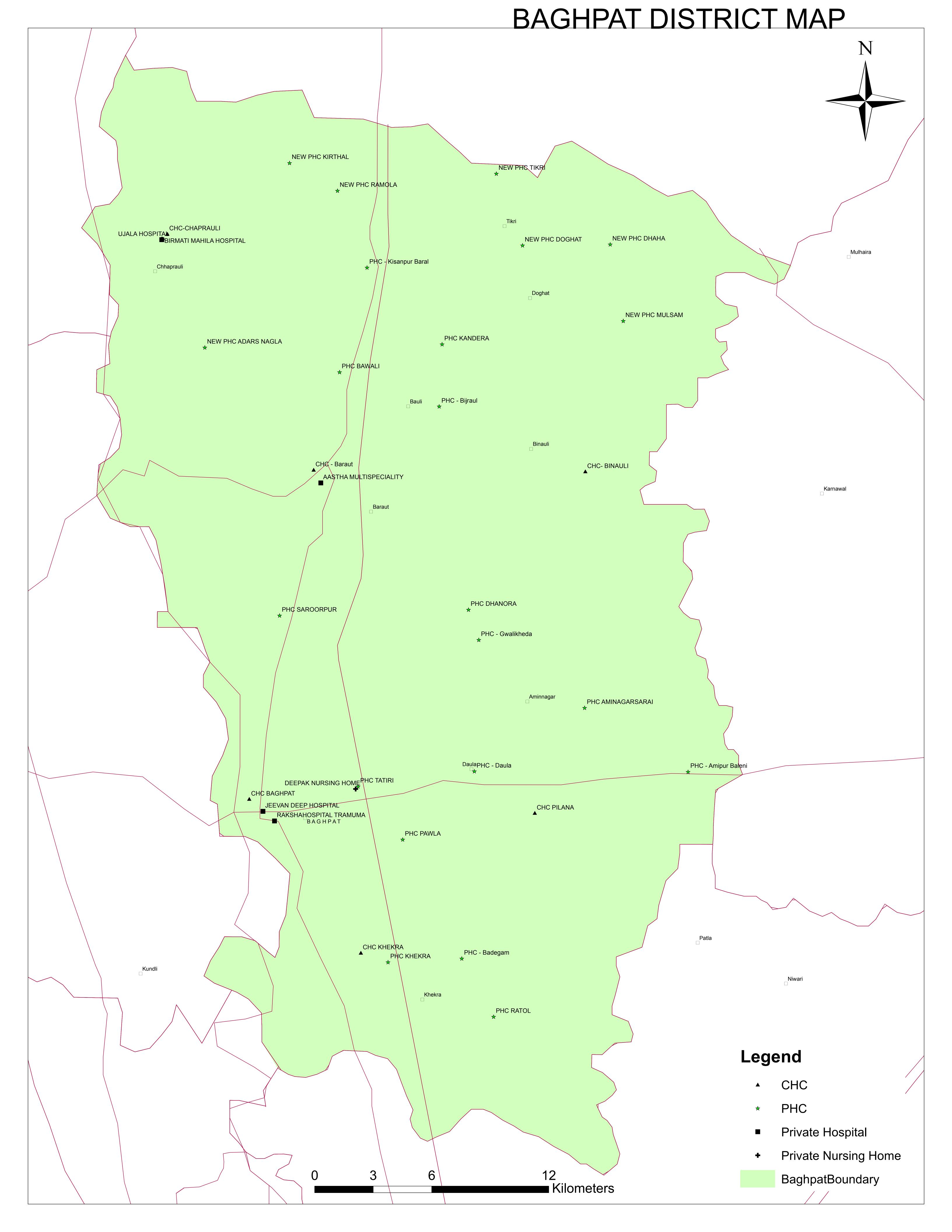
Private Nursing

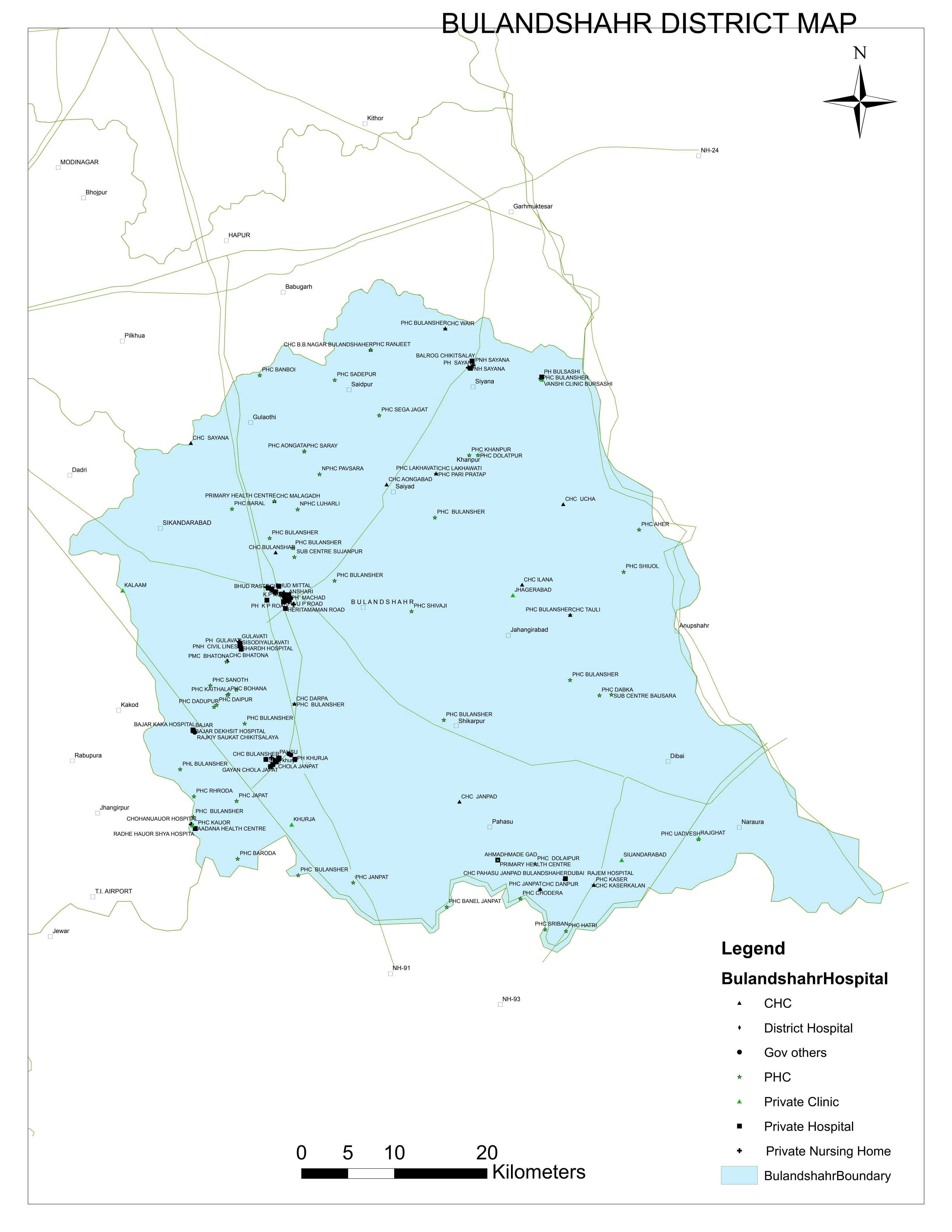
Private Nursing PHC I.G.I. AIRPORT GOVT HOSPITAL ■ Private Nursing

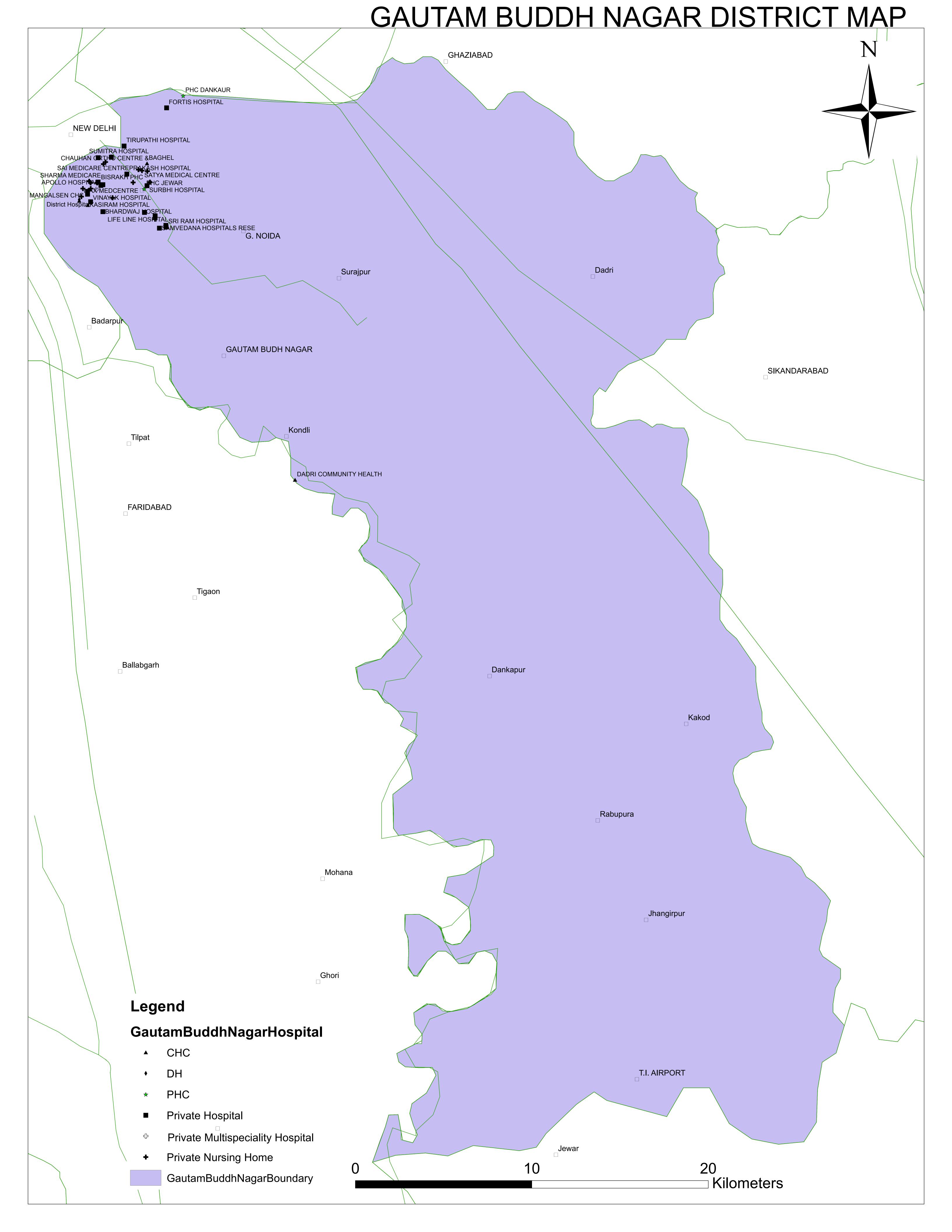
Private Nursing DISPENSARY Private Hospital PHC Private Nursing Private Nursing
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Private Hospital Private Hospital Private Nursing GOVT HOSPITALDISPENSARY GOVT HOSPITAL Private Nursing Private Nursing Private Nursing

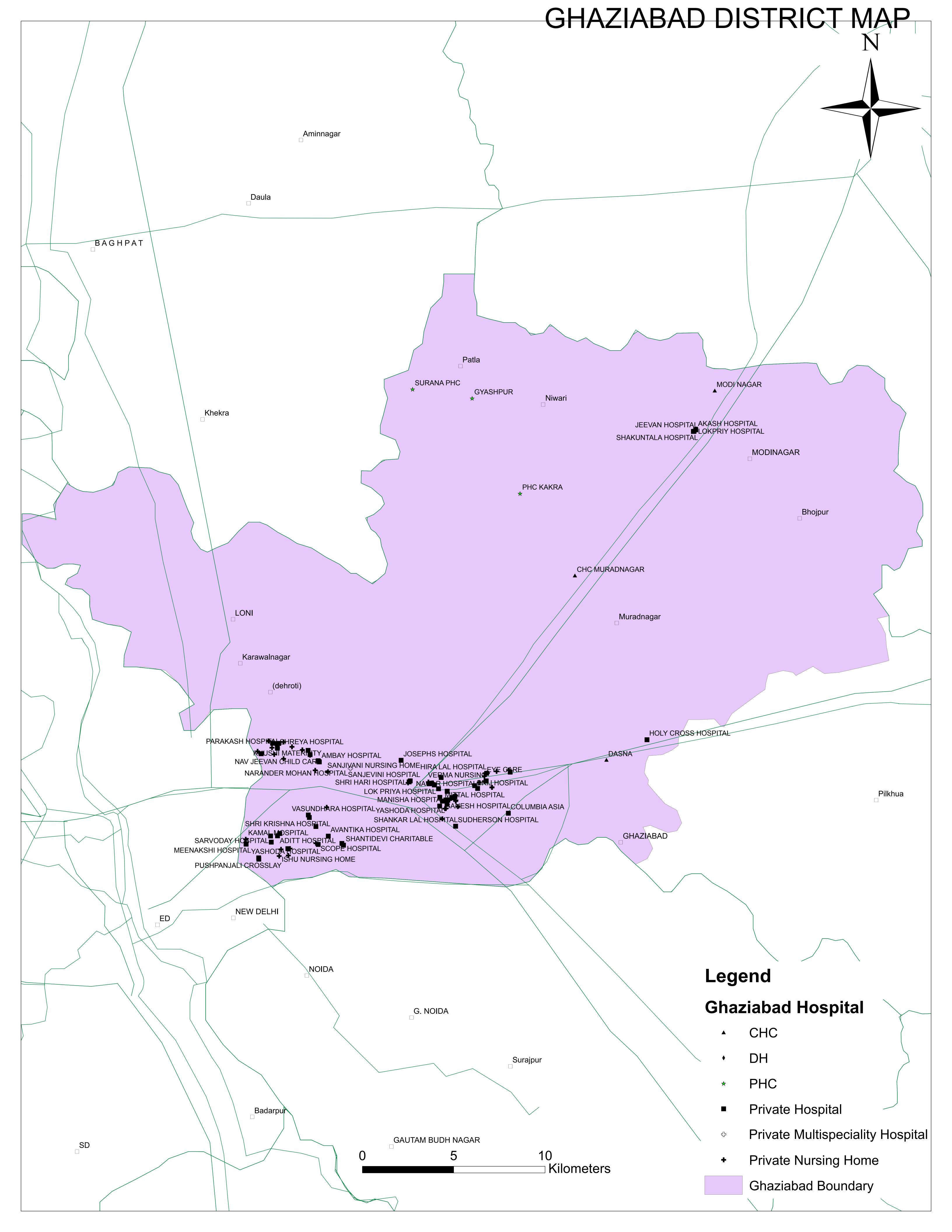
DISPENSARY Others Bada Private Nursing GOVT HOSPITAL Private NursingPrivate Nursing _Private Hospital Private Nursing Private Nursing Tuglakabad Dhankot _Private Hospital Private Hospital GURGAON FARIDABAD Legend **DISPENSARY** Badshahpur **GOVT HOSPITAL** Others PHC Manesar Private Hospital Bhaundsi Dhauj Private Multispeciality Hospital 10 Kilometers **Private Nursing Home** DelhiBoundary

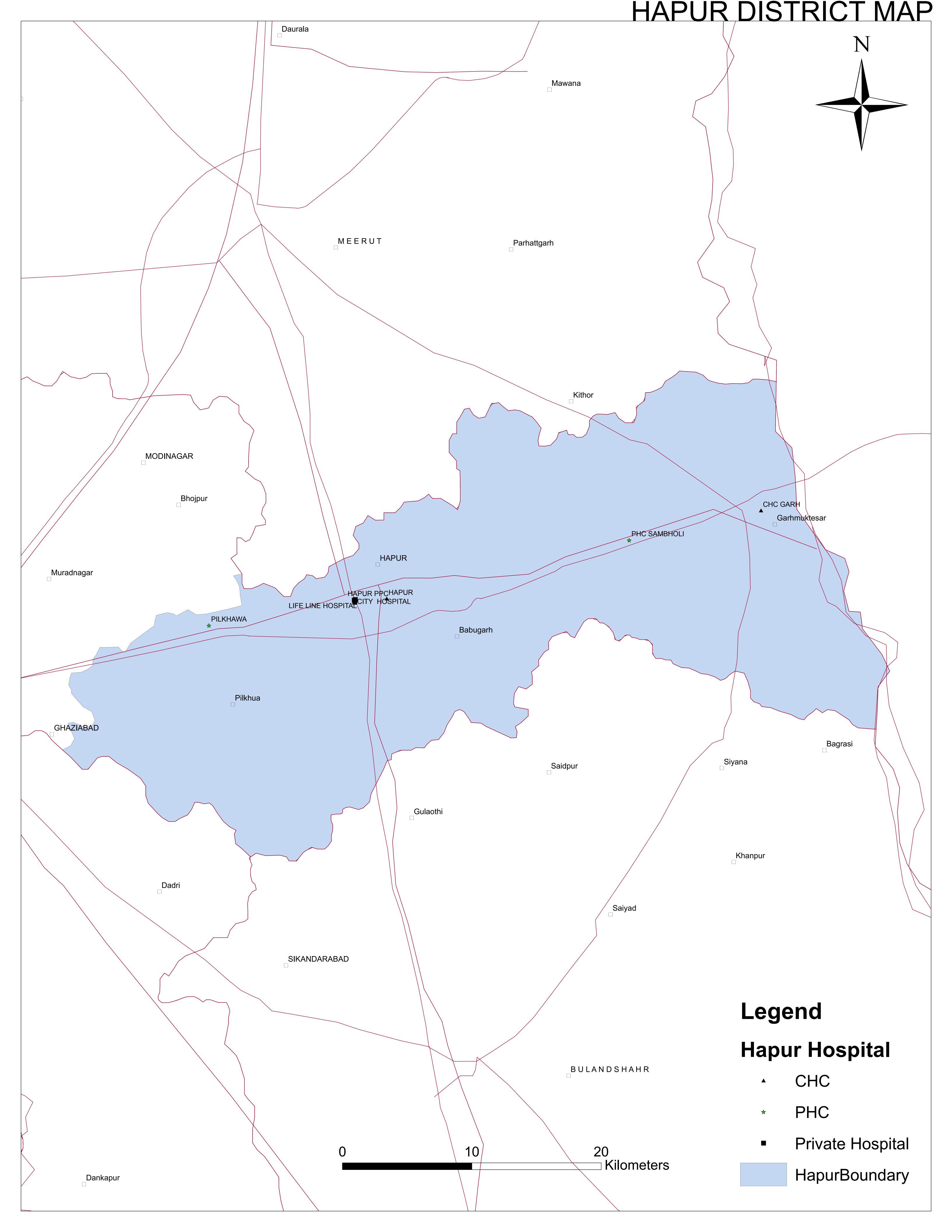


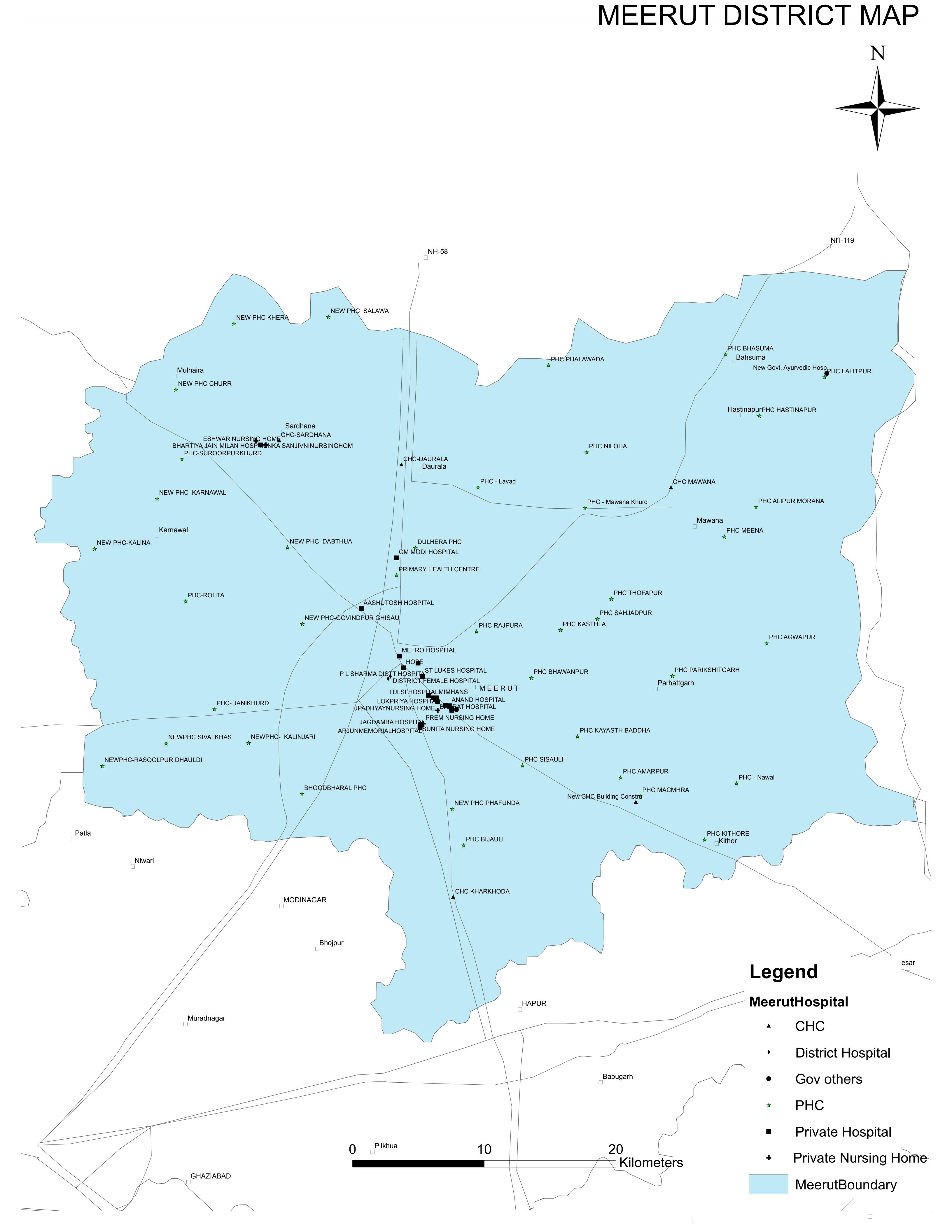


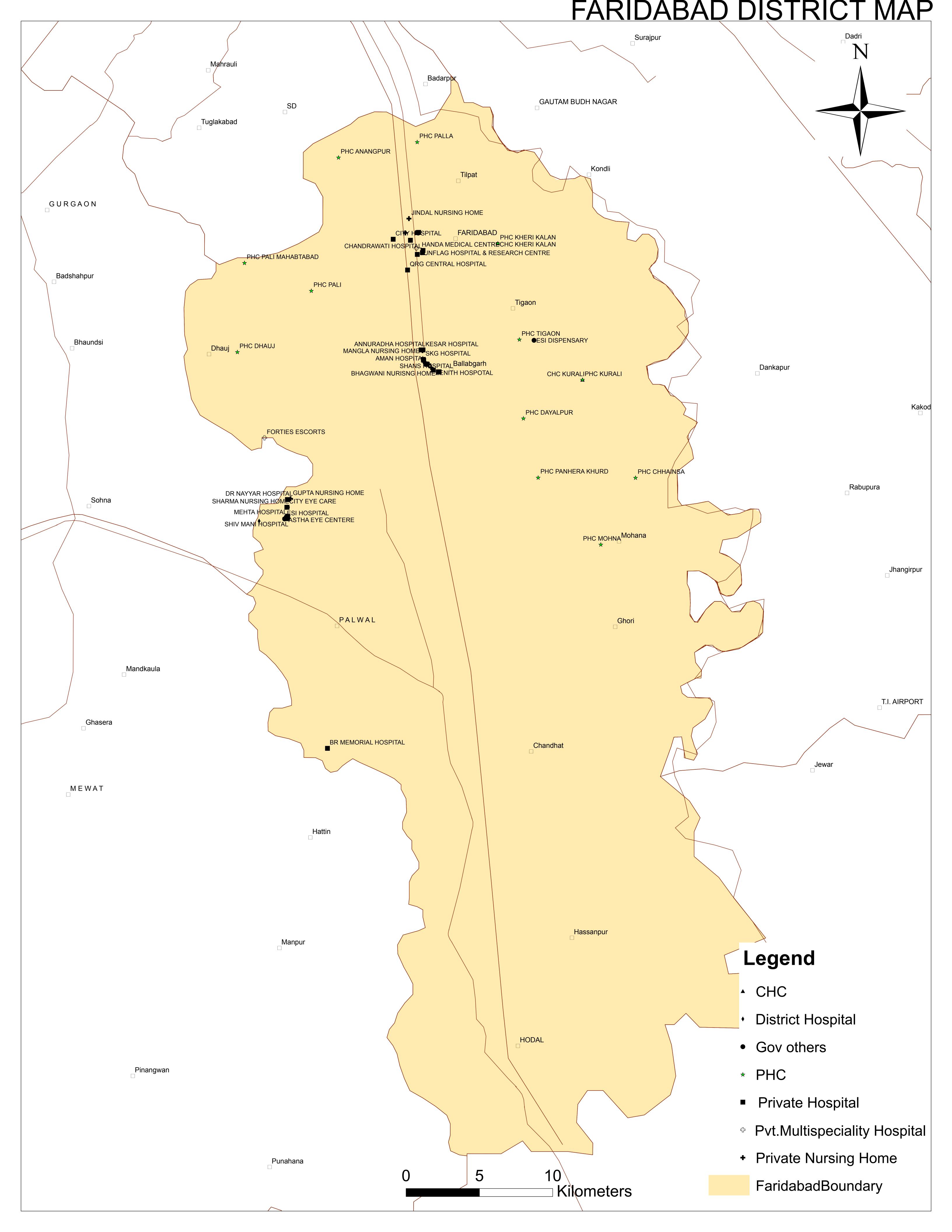


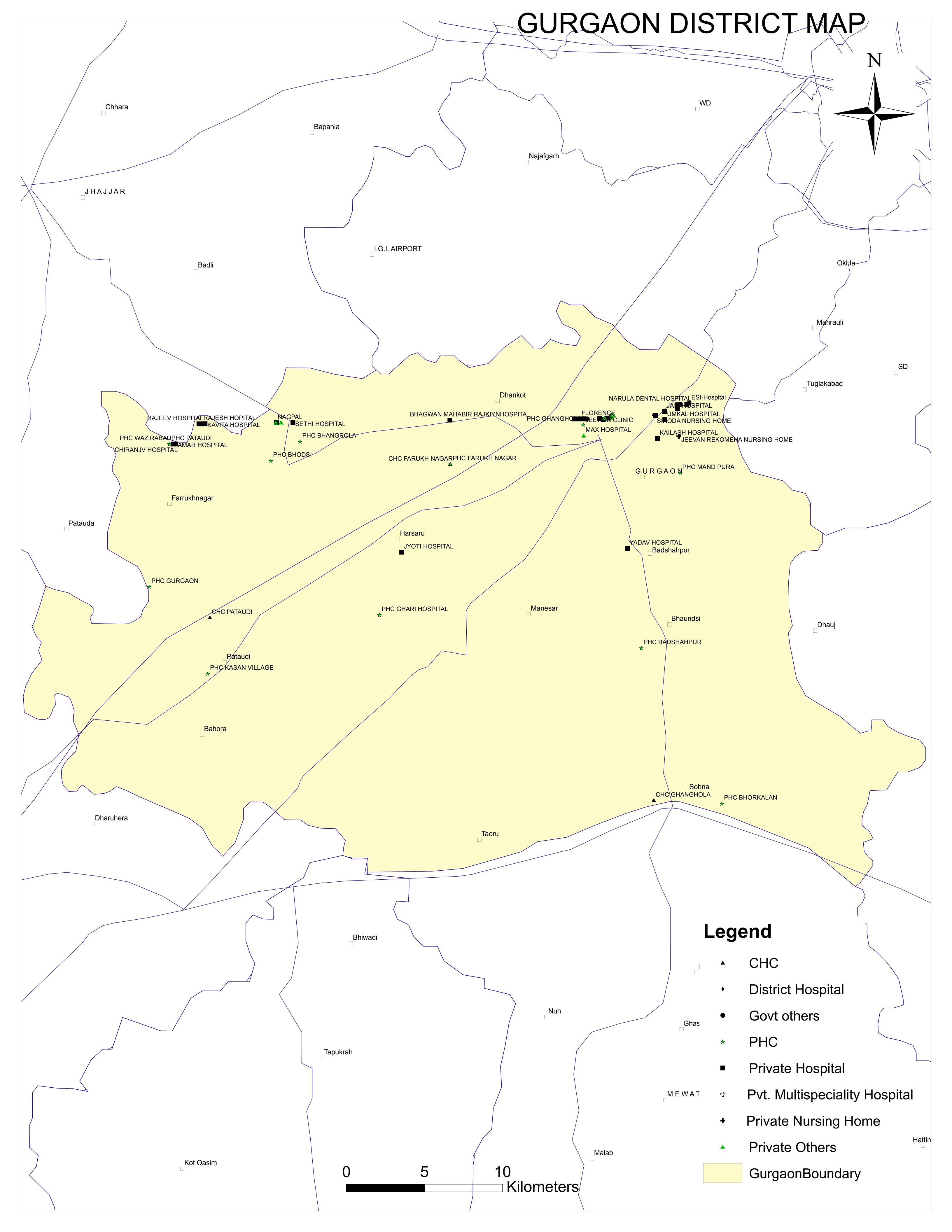


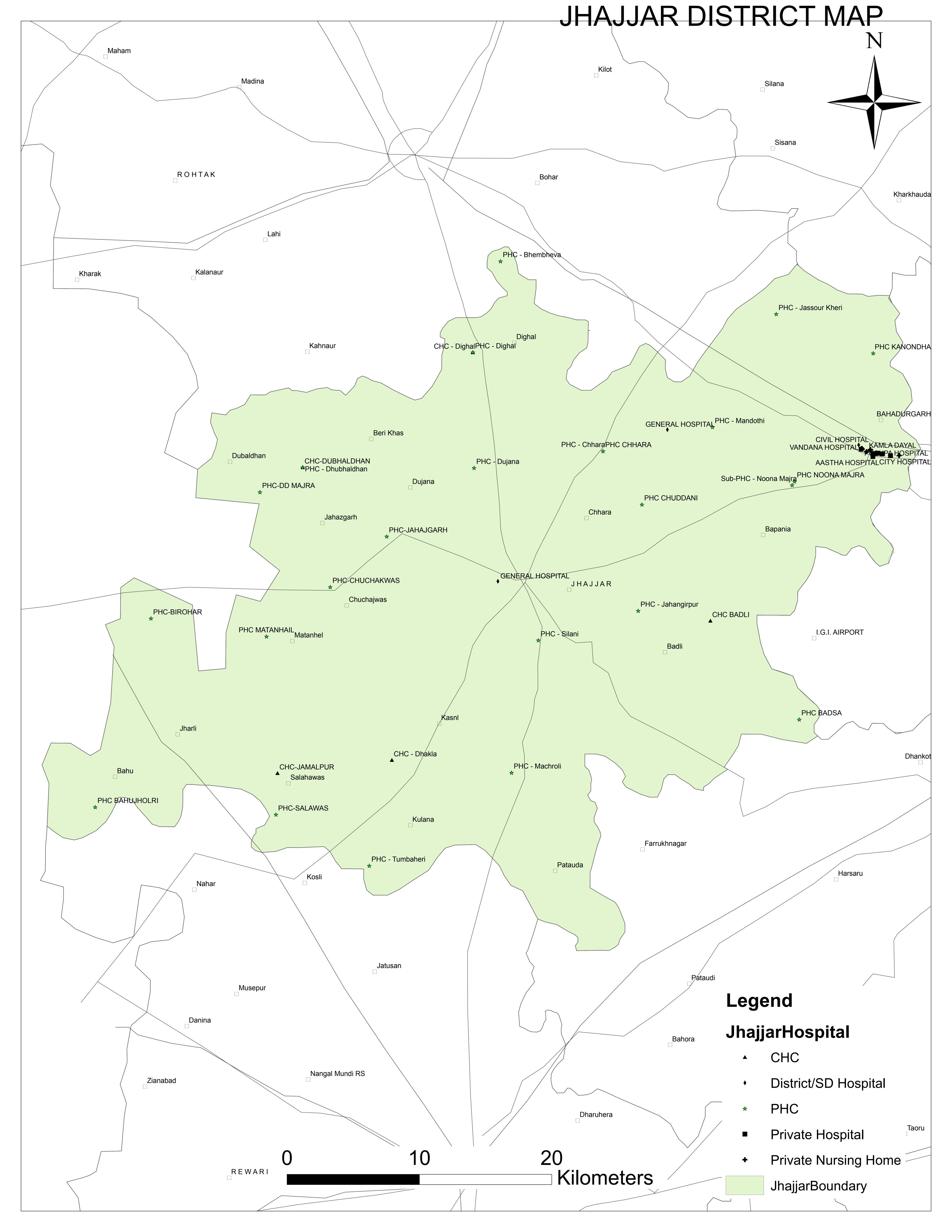


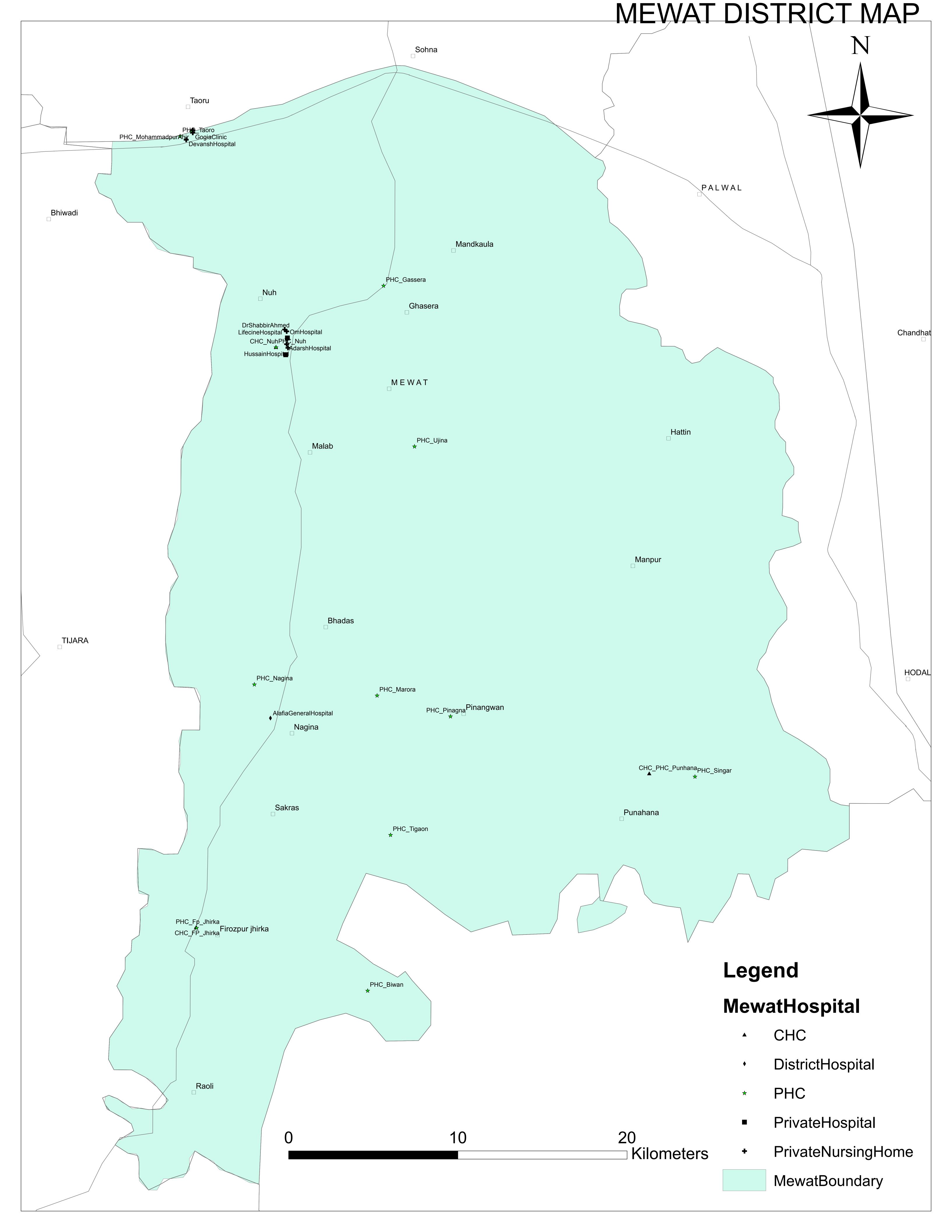


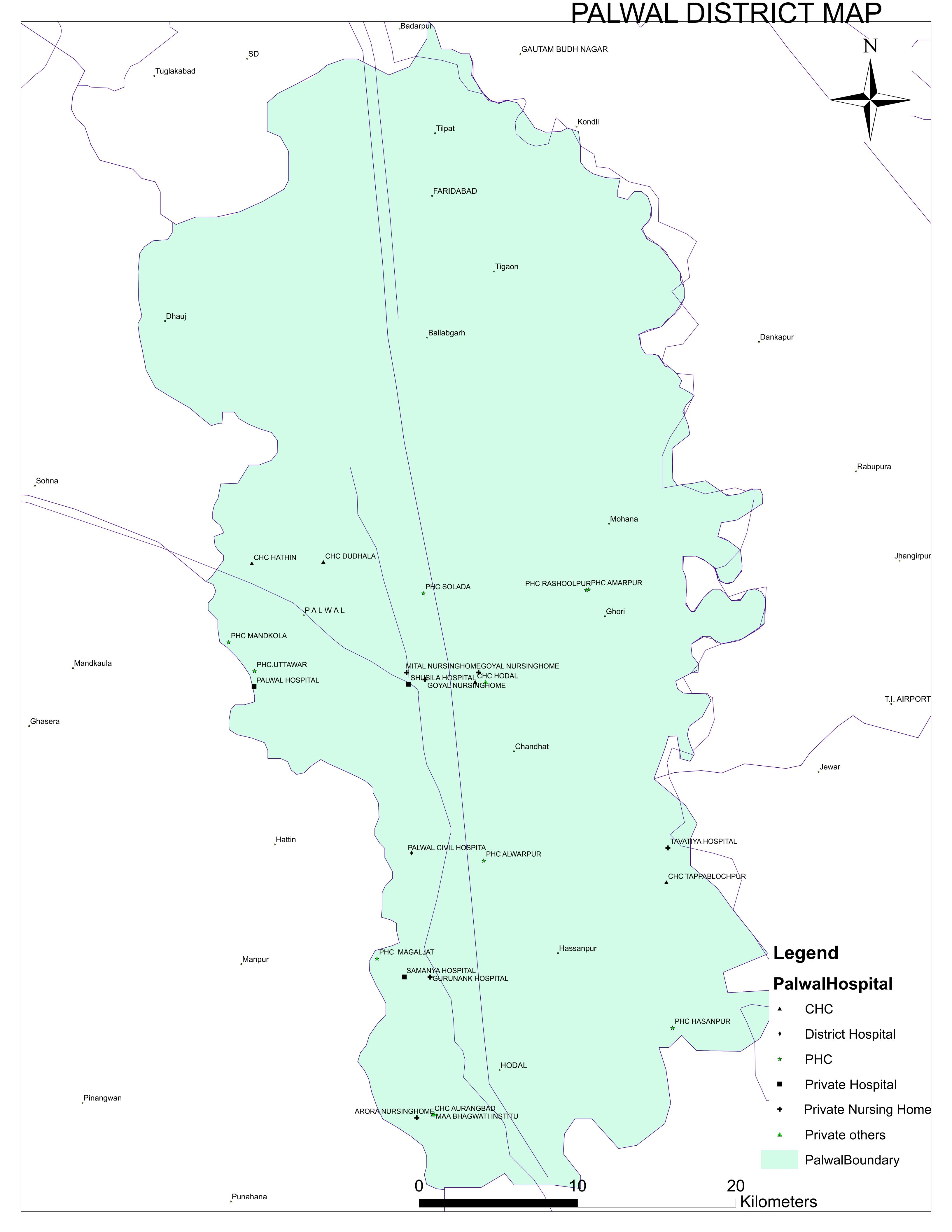


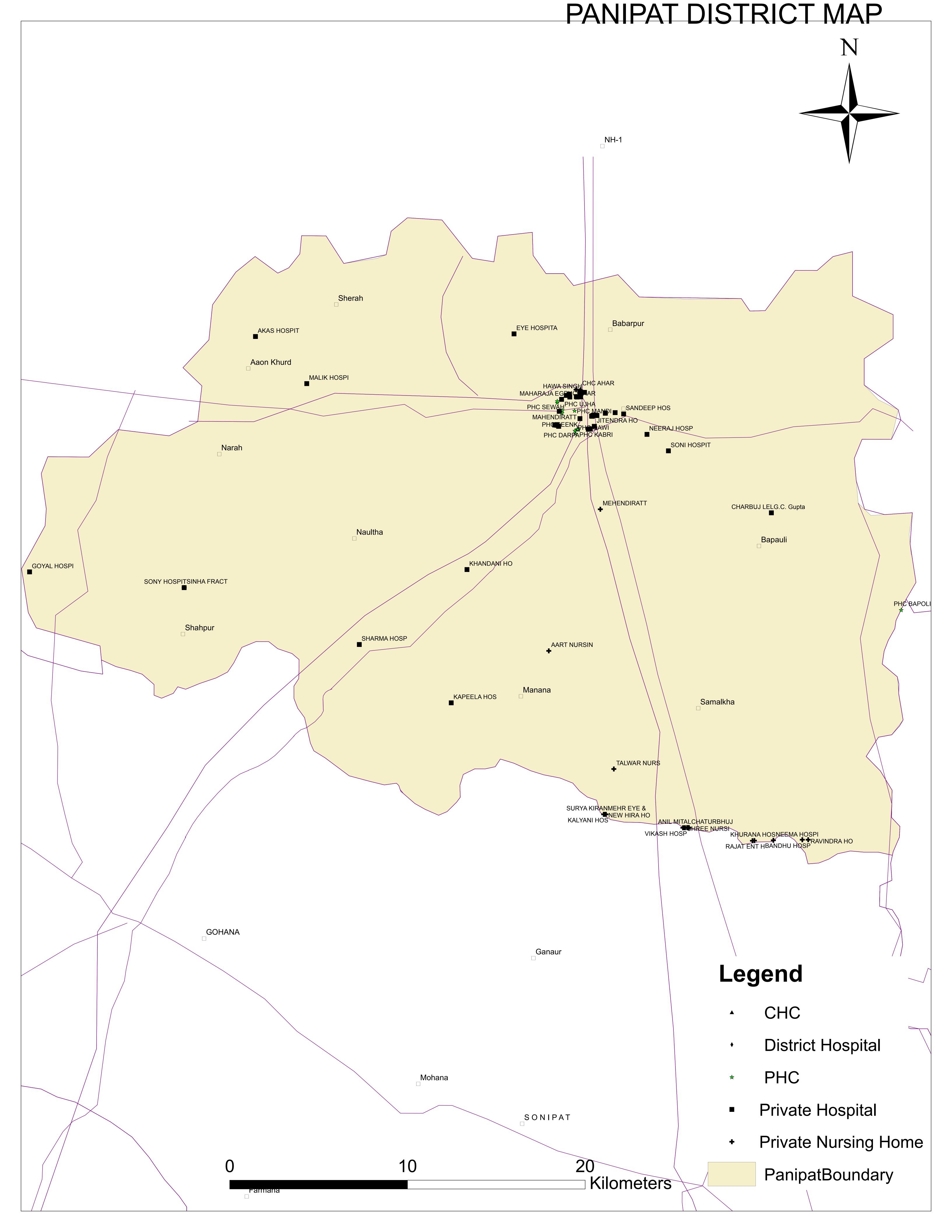


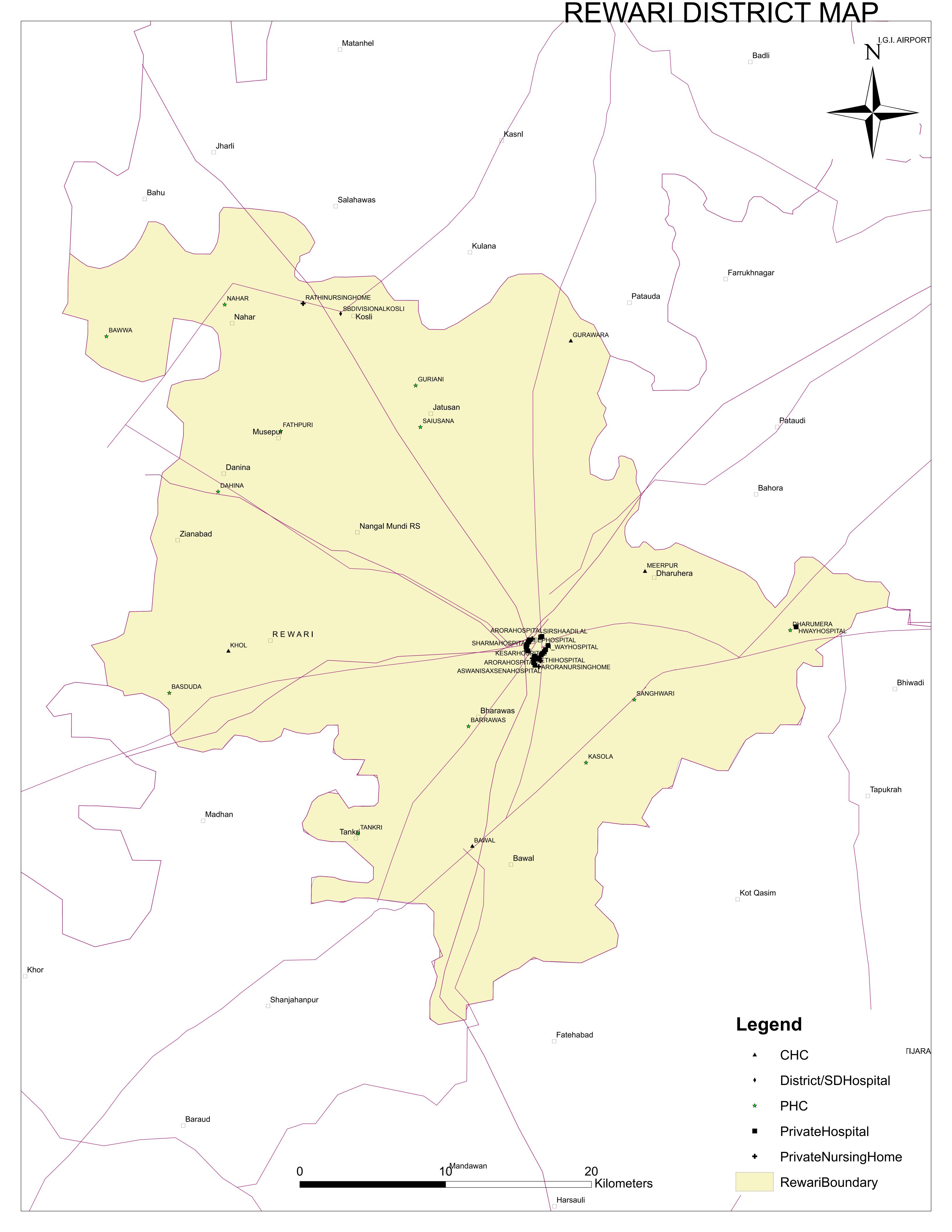


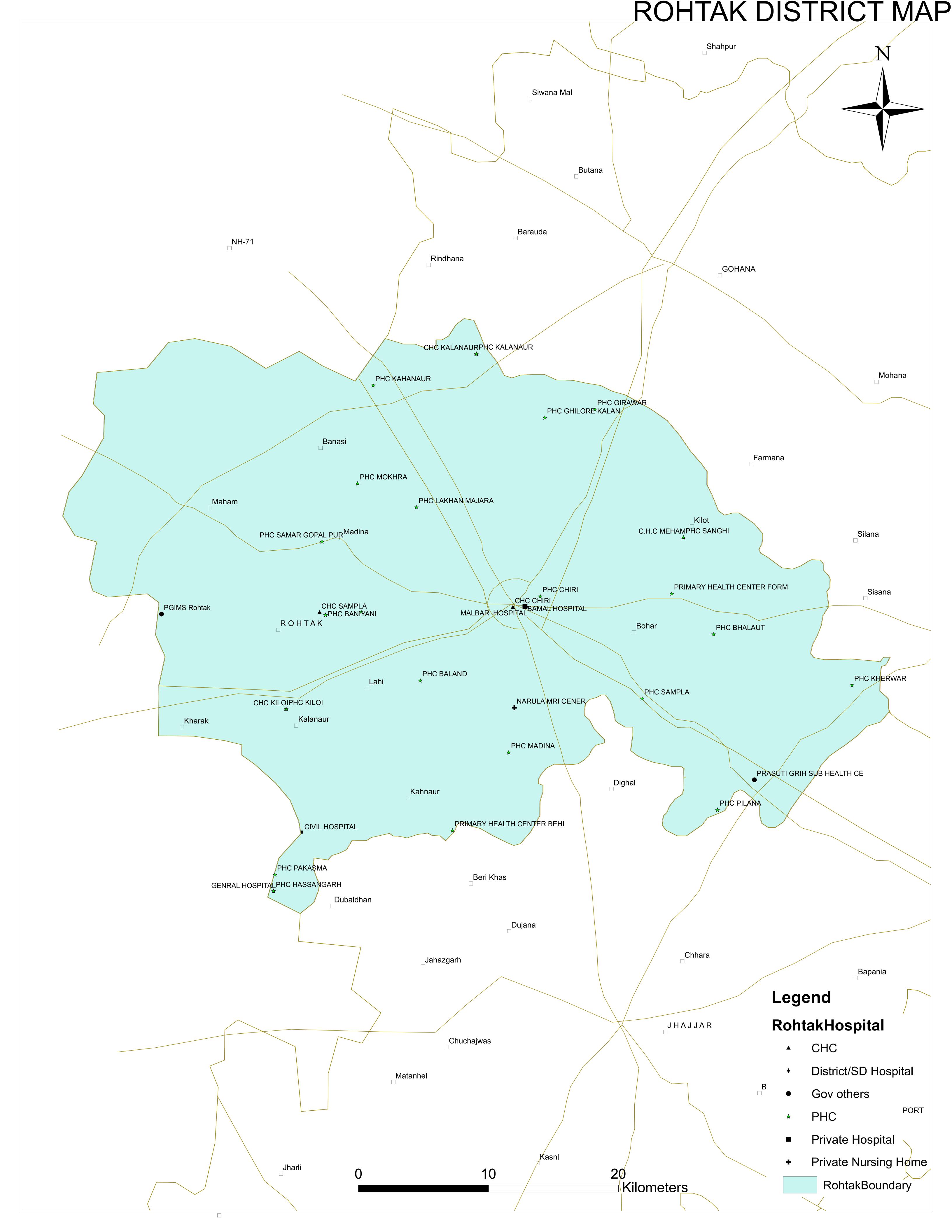


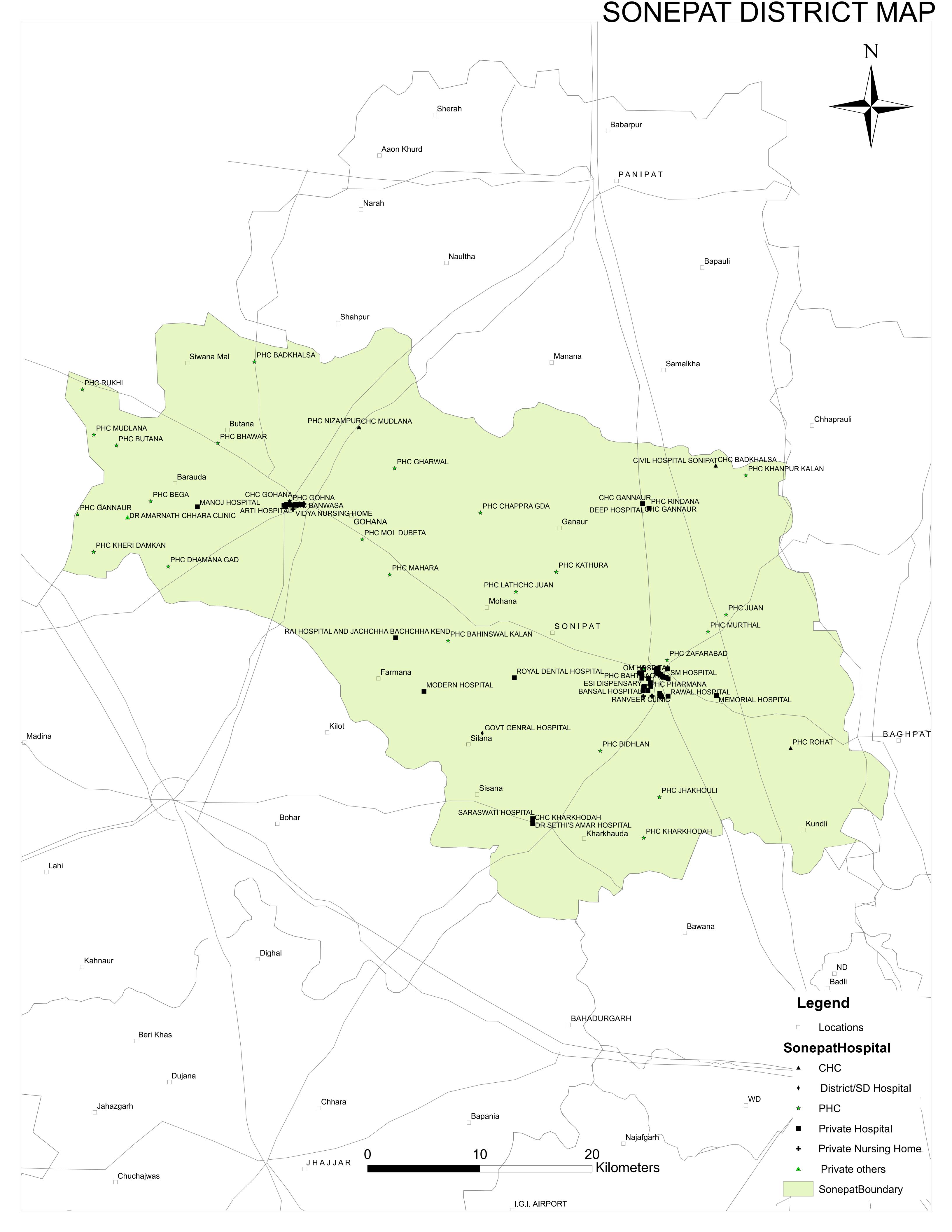












Appendix E. Contact details of Medical Officials Contacted

S. No	District	State	Name	Designation	Contact No
1	Central(Paharganj)	Delhi	Dr. Bansal	Add.CDMO	9868110801
2	East(Surajmal Viahar)	Delhi	Dr. Rajendra Midha	CDMO	9811031656
3	South (Malviva Nagar)	Delhi	Dr. Meera Hajerla	CDMO	011-26693339
	South (Malviya Nagar)	Dellili	Dr. Jyoti Sachdeva	Add.CDMO	011-26682061
4	North(Gulabi Bagh)	Delhi	Dr. Archana Rai	СДМО	9999360639/ 9654100322/ 23653176
5	North West(Rajori Garden)	Delhi	Dr. A.K.Saini	Add.CDMO	011- 27861592,27516640
6	South West (Dwarka)	Delhi	Dr. Sonia Gupta	Dept CDMO	011- 25082969,25089596
7	West(Paschim Vihar)	Delhi	Dr. Sunil Bhatnagar	Dept CDMO	9810012026
8	North East(Dilshad Garden)	Delhi	Dr. Rajesh Kumar	Add.CDMO	9811720485
9	Sonepat	Haryana	Dr. J.S.Punia	Dept. Civil Surgeon	9813065161
10	Panipat	Haryana	Anuj Tondan	Head, DPMU, NRHM	9896436361
11	Gurgoan	Haryana	Dr. V.K. Singhal	Dept. Civil Surgeon	2322413/
12	Faridabad	Haryana	Dr. Anup Kumar	Dy Civil Surgeon	9999455641
			Dr. Anu Gupta		9810423471
13	Palwal	Haryana	Dr Aditya Chaudhary	Civil Surgeon	01275-242102
			Dr.Vaid prakesh Gupta	SMO	9254255371
			Lok veer singh		9254255372
14	Mewat	Haryana	Dr.C.Rao/ kuldeep rao	Civil Surgeon	9254321102,01268- 273010
4.5	Debtel	11	Dr.V.K Govilla	CDMO	9215156185
15	Rohtak	Haryana	Kuldeep		9315431453
			USHA / Mani ram		8950344330/ 92551243071
16	Jhajjar	Haryana	Dr.Bharat singh Bishnoi	CDMO	9215156177
			Suneeta	DPM	8053111505
17	Rewari	Haryana	Dr.Rajeev	CDMO	9416245274
		-	DPM- Manish	DPM	9416891311
18	Bagpat	UP	Dr. M L Arya	CDMO	9415409010
			Suresh Jayant		9412834184
19	Bulandshaher	UP	Dr Deelip Singh	DPO	
20	Meerut	U P	Dr Dinesh	Add Director	9412321566
			Dr Badri Vishal		9415461731
21	Ghaziabad	U P	Dr.AK Dhawan	CDMO	9899971014
			R.P Chawhan		0120-2850780
22	Gautam Budhnagar	UP	Anu Radha		2502023

S. No	District	State	Name	Designation	Contact No
			Dr Meena Mishra	DGO	9582793059
			Dr. C.B Dhanawat	CDMO	9414152941/ 0144- 2340145
23	Alwar	Rajistan	Dr. S K Taygi		9560272190
			Dr. subodh kr Tewari		945073424 / 0120- 2540055
24	Dharamshila Cancer Hospital	Delhi	Dr Raja Dutta	Medical Superintendent	9560450172
25	Fortis Escort Hospital	Hamiana	Dr Pinak Moudgil	Medical Superintendent	9818590011
	•	Haryana	Rajani	Asst Manager- Quality	
			Dr Veena Chowdhury	Director	
26	GB Panth Hospital	Delhi	Dr H P Singh	Asst Medical Superintendent	9718599004
			Dr Ashok Sharma	Director-Professor Redio-Dignosis	9811111933
27	Guru Teg Bahadur	Delhi	Dr U C Varman	Medical Superintendent	
2	dara reg Bariadar	Dellii	Dr P K Malik	СМО	9868399512
			Dr. Mahesh Sharma,	Chairman & Managing Director	9990-444444
28	Kailash Hospital and Heart Institute	NOIDA	Dr Vijay Ganju	Medical Superintendent	9871295311
			Dr A K Chaturvedi	Group Medical Director	95-1202444444
			Mr P UNNIKRISHNAN	Asst. General Manager	95-1202444444
			Mr Parveen Kumar Jha	Manager HR and Personal	9711918258
29	Medanta Medicity	Harayana	Dr Naresh Trehan	Chairman and Managing Director	9971698163
30	Narendermohan Hospital and Heart Centre	Ghaziabad	Brig (Retd.) Dr KBNS Dod	Medical Superintendent	9868994095
31	Post Graduate Institute of Medical Education & Research , Rohatak		Mr C S Dhulla	Director	9896091449
		Rohatak	Dr Amit Lathwa	Dy Medical Superintendent	9315642062
32	Safdarjung Hospital	Delhi	Dr N K Mohanty	Medical Superintendents	
33	St Stephens Hospital	Delhi	Dr. Sudhir Cecil Joseph	Director	
33	St Stephens Hospital	חפוווו	Dr. Grace Cheriyan	Deputy Director	9868399103
			Mr Balbir Singh	Public Relation cum Promotional Officer	9868399104
34	Delhi	Delhi	Dr. R. N. Sharma	Dr R N Sharma Deputy Director Planning DHS	011-22306226/ 9654100301

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S. No	District	State	Name	Designation	Contact No
				(HQ)	
35	Panchkula	Haryana	Dr. Rajesh Bali	Nodal Officer (Infrastructure), Heath Department, Government of Haryana, Swasthaya Bhawan, Sector- 06, Panchkula, Haryana	0172-2585501/5
36	Delhi	Delhi	Sh. Rajesh Bhatia	Director (Statistics), Ministry of Health and Family Welfare, Room No. 512-A, Nirman Bhawan, New Delhi - 110108	011-23062647
37	Delhi	Delhi	Dr. S. Khanna	Executive Director Dharamshila Cancer Hospital	09810050395