



Ministry of Health & Population



Health Infrastructure Information System – Version 3 System Manual



Ministry of Health and Population
Department of Health Services
Management Division

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ACRONYMS AND ABBREVIATIONS

ANM	Auxiliary Nurse Midwife
BEOC	Basic Emergency Obstetric Care
BSM	Brick/Stone with Mortar
CAC	Comprehensive Abortion Care
CEOC	Comprehensive Emergency Obstetric Care
CGI	Corrugated Galvanised Iron
CH	Central Hospital
CSSD	Central Sterile Supply Department
D(P)HO	District (Public) Health Office
DDC	District Development Committee
DFID	UK Department for International Development
DH	District Hospital
DHO	District Health Office
DOTS	Directly Observed Treatment Short Course
DPC	Damp Proof Course
DUDBC	Department of Urban Development and Building Construction
EPI	Expanded Programme on Immunisation
FP	Family Planning
GI	Galvanised Iron
GIS	Geographic Information System
GoN	Government of Nepal
HC	Health Centre
HI	Health Institution
HIIS	Health Infrastructure Information System
HIIS3	Health Infrastructure Information System – Version 3

HP	Health Post
ICB	International Competitive Bidding
ICU	Intensive Care Unit
IEC	Information, Education, and Communication
iS2	<i>delve</i> Information System Solution
MCH	Maternal and Child Health
MD	Management Division
MoHP	Ministry of Health and Population
NCB	National Competitive Bidding
NHSSP	Nepal Health Sector Support Programme
NPR	Nepalese Rupees
OPD	Outpatient Department
OT	Operating Theatre
PCC	Plain Cement Concrete
PHCC	Primary Health Care Centre
RCC	Reinforced Cement Concrete
RH	Regional Hospital
RHD	Regional Health Directorate
SHP	Sub-Health Post
SRH	Sub-Regional Hospital
TH	Teaching Hospital
VDC	Village Development Committee
WB	World Bank
ZH	Zonal Hospital

1. INTRODUCTION

1.1 HEALTH INFRASTRUCTURE INFORMATION SYSTEM – VERSION 3 (HIIS3)

The Health Infrastructure Information System – Version 3 (HIIS3) is a computer-based data system designed to support the management of Nepal’s public health infrastructure. HIIS3 was designed and developed by *delve* Information System Solution (iS2) for the Ministry of Health and Population (MoHP) under the financial and technical support of the Nepal Health Sector Support Programme (NHSSP) on behalf of the UK government’s Department for International Development (DFID).

HIIS3, a web-based system, is an upgrade of version 2 of the Health Infrastructure Information System (HIIS) but which now features a Google Earth interface that allows users to visualise the geographical location of Health Institutions (HIs) and to access additional information.

HIIS3 has additional capabilities in the following areas:

SN	HIIS (Version 2)	HIIS3 (Version 3)
1.	HIs located by district	HIs located by Village Development Committee (VDC)/municipality
2.	HI coverage up to Health Post (HP) level	HI coverage also includes Sub-Health Posts (SHPs)
3.	Two primary information components included: i. HI and building infrastructure ii. Health infrastructure buildings repair and maintenance plan	Three primary information components included: i. HI and building infrastructure ii. Health infrastructure buildings repair and maintenance plan iii. Procurement Plan
4.	Handles only attribute data (non-spatial)	Geographic-Information-System- (GIS-) Map (spatial) interface has been added

1.2 FUNCTIONAL CONTEXT

Health infrastructure refers to buildings of different types where health care services are provided and where administration, management, and other supportive functions are carried out.

Health infrastructure management is seen to constitute three principal components:

- Health infrastructure inventory
- Construction or reconstruction of health buildings
- Repair and maintenance of health buildings.

Health Infrastructure Inventory

The health infrastructure inventory of HIIS3 maintains information on HIs and health buildings including: numbers and types of facilities, geographical spread/location, land owned, accessibility, and support facilities available; and other details including: functional use, building construction types, number of storeys, floor area, ground coverage, and design standards followed (old design, new standard design, or integrated design).

Construction or Reconstruction of Health Buildings

New health buildings are constructed and/or old buildings reconstructed as proscribed in MoHP's annual Health Infrastructure Procurement Plan. This plan describes the steps to be followed in accordance with government procurement procedures, including activities such as tender publishing, evaluation, contract awarding, and the handover of completed works to the concerned institution by the Department of Urban Development and Building Construction (DUDBC) under the Ministry of Urban Development. DUDBC is mandated to construct health infrastructure under direction of MoHP's Department of Health Services Management Division.

Alternatively, when the cost of construction work is below the NPR 1 million services can be procured directly by health institutions.

Repair and Maintenance of Health Buildings

Annual repair and maintenance works are carried out by the respective HIs. The repair and maintenance activities are classified in three categories:

- Preventive maintenance
- Minor repair and maintenance
- Major repair and maintenance.

Classification of the repair and maintenance works required is made on the basis of each building's age and physical condition. Buildings older than a specified age and/or where the physical condition is extremely poor are considered for reconstruction.

1.3 CLASSIFICATION OF HEALTH INSTITUTIONS

Health buildings can be classified under the following broad categories:

- Health service facilities
- Logistics and human resource development units
- Management and administrative units.

Health service facilities include such HI types as:

- Central Hospitals (CHs)
- Regional Hospitals (RHs) and Sub-Regional Hospitals (SRHs)
- Zonal Hospitals (ZHs)
- District Hospitals (DHs)
- District Health Offices (DHOs)
- Health Centres (HCs)
- Primary Health Care Centres (PHCCs)

- HPs and SHPs
- Central Public Health Laboratories
- District Public Health Laboratories
- Central Ayurvedic Hospitals
- Zonal Ayurvedic Health Clinics/Aushadhalaya
- District Ayurvedic Health Centres (Clinics/Aushadhalaya).

Logistics and human resource development units include:

- Central Medical Stores
- Regional Medical Stores
- District Medical Stores
- Central Health Training Centres
- Regional Health Training Centres
- Health Information, Education, and Communication (IEC) Centres.

Management and administrative units include:

- MoHP
- Departments and central-level offices under MoHP
- Regional Health Directorates (RHDs)
- District (Public) Health Offices (D(P)HOs).

1.4 INFORMATION CONTEXT

HIIS3 maintains data records and information in conformity with the three components of the system, namely:

- HI and health building inventory
- Repair and maintenance requirements
- MoHP's infrastructure procurement plan

In addition, the system also maintains photographs, technical design drawings, and a GIS shapefile layer showing HI locations.

HI and Health Buildings Inventory Information

The basic information record on HIs and health buildings was collected during an initial survey following which data is collected periodically on new infrastructure built and the maintenance status of existing buildings.

Repair and Maintenance Cost Requirements

The repair and maintenance cost requirements of health buildings are computed by the system based on pre-defined criteria of repair and maintenance activities and repair and construction rates. The computation is based primarily on each building's age, floor area, and physical condition.

Computation of repair and maintenance costs also provides a good indicator of the need reconstruction of a building.

Procurement Plan Information

Once the construction/reconstruction of a building has been approved, a consolidated procurement plan is prepared and recorded in the system. Procurement plans include data on items such as: contract ID, name of HI, procurement works (new building construction, storey addition), procurement procedure to be followed (Government of Nepal (GoN), World Bank (WB)), procurement method (International Competitive Bidding (ICB) or National Competitive Bidding (NCB)), procurement level (central, district), and procurement status ('on tender', 'contracted', 'completed' or handed over).

Procurement Plan Information also includes data on the status of contract implementation by way of a 'percentage completion' indicator.

Photographs and Technical Design Images

Along with basic information on HIs and health buildings, the system also maintains image files of health building photographs and technical design drawings. Photographs of the different construction phases are also reported and maintained to illustrate current construction status.

GIS Shapefiles

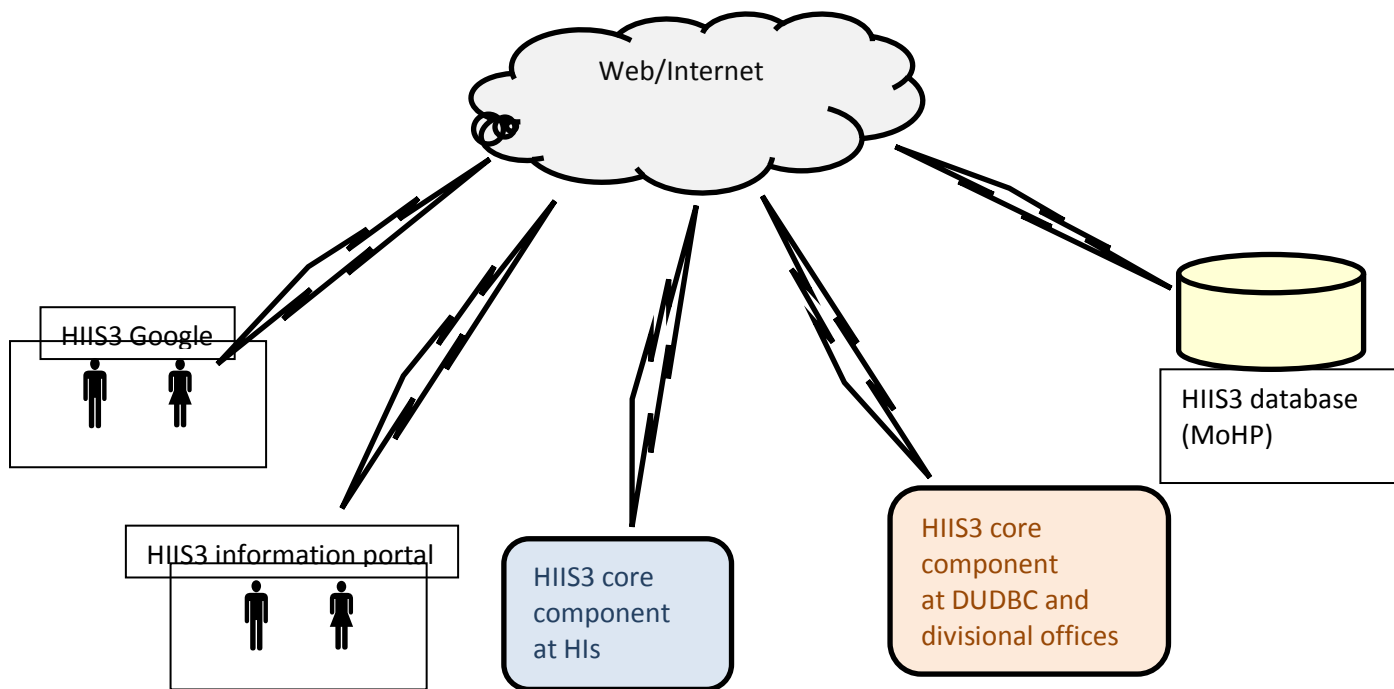
In order to show the geographic spread and distribution of HIs across the country and to allow a visual assessment of health building sites to be made, the system includes a GIS map interface able to locate each HI to an extremely high degree of accuracy (normally within 15m). For this purpose, the system uses HIs' point data (GIS shapefiles) created/converted based on HIs' geographic coordinate data acquired through the major GPS survey performed by DoHS's Management Division (MD). To date, the point data of 57 districts is available.

2. SYSTEM OVERVIEW

HIIS3 comprises three subsystems: 1) HIIS3 core component; 2) HIIS3 Google, and 3) HIIS3 information portal. The HIIS3 core component can be operated by concerned users from both the health sector and DUDBC and facilitates information maintenance, retrieval, and processing.

HIIS3 Google is based on a Google Earth Interface where users can locate individual HIs' locations on satellite images, maps and hybrids of the two. The HIIS3 information portal allows users to query general information about HIs and health buildings on the Internet.

The HIIS3 system database is operated from the MoHP's web server, while the application interface of HIIS3 core component is installed at different central-, regional-, and district-level HIs, and at DUDBC. HIIS3 Google and the HIIS3 information portal have a standard internet interface. The system overview is illustrated schematically below.



3. SYSTEM FUNCTIONAL COMPONENTS

HIIS3 has the following functional components:

- Data maintenance
- Information retrieval
- System maintenance.

Data Maintenance

The data maintenance component allows users to maintain the following data:

- HI and building information
- Procurement plans
- Progress made in implementing procurement plans
- Repair and maintenance requirements
- Photographic and design drawing images of each facility.

Information Retrieval

Information retrieval has two sub-components: reports and queries, and data visualisation. The reports and queries sub-component allows users to query information and/or produce various reports (summary, detail) such as those listed below:

- Health infrastructure construction instructions
- Health buildings
- Repair and maintenance requirements
- Reconstruction requirements
- Procurement Plans.

The data visualisation sub-component allows users to visualise data over geographic maps of the country or development regions, and to query information.

System Maintenance

Under this component, users maintain the basic system data required prior to system operation.

Such system base data include:

- Type codes
- Repair and maintenance criteria
- Repair and maintenance rates
- System users.

4 HIIS3 DATA RECORDS

4.1 HEALTH INSTITUTION AND BUILDING INVENTORY DATA

HI and building inventory data are comprised of the following elements, which are updated in line with the Health Institutions Survey, direct data acquisition from respective HIs, and/or HI upgrades.

- a. HI information
 - HI ID and name
 - Geographic location (district, VDC, settlement name)
 - HI type
 - Number of hospital beds (service capacity)
 - Name and type of access road
 - Nearest market
 - Availability and type of electricity supply line
 - Type of available water supply source
 - Type of available internet connectivity
 - Details of support facilities/units
 - Details of overhead water tank(s), if they exist
 - Details of underground water tank(s) if they exist
 - Details of incinerator if it exists
 - Details of storage area if it exists
 - Details of septic tank if it exists
 - Details of soak pit if it exists
- b. HI land information
 - Plot number
 - Area
 - Ownership
- c. Health building information
 - Building block name
 - Year of construction
 - Functional use/purpose
 - Number of storeys

- Total floor area
- General physical condition of building
- General physical condition of building elements
- Specific Condition (problems) of Building elements
- Availability and types of support services and their condition (water supply and drainage, electrical system, plumbing and sanitation, power backup system, water heating system, cooling system).
-

4.2 PROCUREMENT PLAN DATA

The data elements of a Procurement Plan include the following:

- a. Basic information on:
 - Contract ID
 - HI ID and name
 - Concerned divisional office
 - Fiscal year
 - Works detail
 - Procurement method
 - Procurement procedure
 - Procurement level
- b. Procurement Plan detail
 - Procurement plan stage (plan, revised, actual)
 - Estimated Cost in US dollars and Nepalese Rupees (NPR)
 - Dates when bid document approved, tender published, bids opened, bids evaluated, contract awarded, job completed, and handed over.

The procurement plan data record also includes procurement plan status: 'on tender process', 'contracted', 'completed', or 'handed over'. Initially, the status is recorded as 'on tender process' when the tender is published, and subsequently updated against the trimesterly progress report.

4.3 PROGRESS AND WORK STATUS REPORTING DATA

Progress on construction works is reported tri-mesterly (every four months) by the respective procuring office (DUDBC/divisional office or concerned HI). The data contents of the tri-mesterly progress report are as follows:

- Reporting period
- Allocated budget
- Authorised budget
- Released amount
- Expended amount
- Physical status level
- Physical progress percentage.

4.4 REPAIR AND MAINTENANCE DATA

Data on health buildings' physical status are updated in accordance with reports issued annually by the respective HIs. Based upon physical status data, the buildings' annual repair and maintenance requirements are determined, budgeted and planned accordingly. Data updated concerning repair and maintenance of buildings includes the following:

- General physical condition of the building
- General physical condition of building elements
- Specific condition (problems) of building elements
- Availability and types of support services and their condition (water supply and drainage, electrical system, plumbing and sanitation, power backup system, water heating system, cooling system).

5. REPORTS AND QUERIES

HIIS3 features various reports and queries to allow information retrieval relating to all three information domains of the system (HIs and building inventory, repair and maintenance requirements, procurement plan).

The system allows information retrieval grouped by selected parameter and filtered by given criteria. The parameter groups are:

- Ecological zone
- Development region
- District
- HI type
- DUDBC division office.

Similarly, the filter criteria include the following parameters:

- Ecological zone
- Development region
- District
- HI type
- DUDBC division office
- Project fiscal year.

HIIS3 reports and queries include lists/details, counts/summaries, and specific reports relating to different information domain and cross-domain (comparative) reports.

- HI
- Health buildings
- Repair and maintenance requirements
- Required reconstruction requirements
- Procurement Plan
- Density of HIs
- HIs (buildings) by design standard
- Reconstruction requirements and Procurement Plan
- HIs (buildings) by design standard and Procurement Plan

- HP with or without birthing unit
- PHCC with or without Basic Emergency Obstetric Care (BEOC)
- DH with or without Comprehensive Emergency Obstetric Care (CEOC).

a. HI Report

HI reports (summary/list) can be produced by ecological zone, development region, district, and HI type, containing the following data items:

Summary Report

- HI count
- Land area
- Building count
- Ground coverage
- Total floor area of buildings

List Report

- HI name
- Location
- Land area
- Building count
- Ground coverage
- Total floor area of buildings.

b. Health Building Report

Health Building reports can be produced by ecological zone, development region, district, and HI type, containing the following data items:

- Building block name
- Year of construction
- Land plot number
- Number of storeys
- Ground coverage
- Floor area
- Ownership
- Condition.

c. Repair and Maintenance Requirement Report

Repair and Maintenance Requirement Reports (summaries/lists) can be produced by ecological zone, development region, district, and HI type, containing the following data items:

Summary Report

- Estimated cost for:
 - Preventive maintenance
 - Minor repair and maintenance
 - Major repair and maintenance
 - Reconstruction

List Report

- HI name
- Estimated cost for:
 - Preventive maintenance
 - Minor repair and maintenance
 - Major repair and maintenance
 - Reconstruction.

d. Procurement Plan Report

Procurement Plan reports (summaries/lists) can be produced by ecological zone, development region, district, HI type, DUDBC divisional office, or procuring HI, containing the following data items:

Summary Report

- Procurement Plan count
- Count of Procurement Plan at different stages of procurement status
 - On tender
 - Contract
 - Finished
 - Handed over

List Report

- HI name
- Contract ID
- Procurement status
 - On tender
 - Contract
 - Finished
 - Handed over.

e. Health Building Design

Health building design reports (summaries/lists) can be produced by ecological zone, development region, district, and HI type, containing the following data items:

Summary Report

- Total count of HIs
- Count of old designs with no birthing units
- Count of old designs with birthing units added
- Count of standard designs with no birthing units
- Count of standard designs with birthing units added
- Count of integrated design buildings

List Report

- Group by design type

Integrated Design

- HI name
- Ground coverage
- Land area of respective HI

Standard Design with Birthing Unit Added

- HI name
- Ground coverage
- Land area of respective HI

Standard Design with No Birthing Unit

- HI name
- Ground coverage
- Land area of respective HI

Old Design with Birthing Unit Added

- HI name
- Ground coverage
- Land area of respective HI

Old Design with No Birthing Unit

- HI name
- Ground coverage
- Land area of respective HI.

f. Procurement Plan Detail

Procurement plan detail reports list all procurements for a given ecological zone, development region, district, HI type, or DUDBC divisional/procuring HI. These reports contain the following data items:

- Contract ID
- HI name
- Fiscal year project started
- Procurement procedure
- Procurement method
- Procurement level
- Procurement status indicator (on tender, contract, finished, handed over)
- Procurement process detail
 - Initial plan/revision/actual indicator
 - Planned and actual dates of bid document approval
 - Planned and actual dates of bid evaluation
 - Planned and actual dates of bid approval
 - Planned and actual dates of contract
 - Planned and actual dates of completion
 - Planned and actual dates of hand over
 - Specific remarks, if any.

g. Reconstruction Requirements List

Reconstruction requirements list reports document all HIs, with the number of buildings requiring reconstruction for a given ecological zone, development region, district, or HI type grouped by district and HI types.

h. District-/Local-level HIs with or without birthing units by district

This report lists all HIs, grouped by district and HI type, which have buildings of the following design standards, with or without birthing units:

- HI name
- Number of old design buildings with birthing unit added
- Number of old design buildings with no birthing unit
- Number of standard design buildings with birthing unit added
- Number of standard design buildings with no birthing unit
- Number of integrated design buildings.

i. District-/local-level HIs with or without birthing units by HI type

This report lists all HIs, grouped by HI type and district, which have buildings of the following design standards, with or without birthing units.

- HI name
- Number of old design buildings with birthing unit added
- Number of old design buildings with no birthing unit
- Number of standard design buildings with birthing unit added
- Number of standard design buildings with no birthing unit
- Number of integrated design buildings.

j. Individual HI Detail Query

This query provides information on individual HIs: users can retrieve and visualise every detail of the selected HI and/or health building, including photographs and drawing images.

k. Standard Design Drawing of Health Buildings

The standard design drawings of health buildings allow users to view design drawings for a given HI type and ecological zone and so check that facilities constructed conform with standard designs.

6. SYSTEM MAINTENANCE

The system maintenance component of the system allows users to update and maintain base data. System base data must be defined prior to the installation and operation of the system.

System base data include the following:

- Type codes
- Repair and maintenance plans and criteria
- Repair and maintenance rates
- Health building design standards
- HIIS3 users.

6.1 TYPE CODES

HIIS3 Type Codes include the following:

- HI types
- Building structure types
- Function/use/purpose of health buildings
- Land/building ownership types
- Land area unit types
- Road types
- Electric power supply line types
- Incinerator types
- Building/building elements physical condition types
- Building elements physical condition types
- Temperature cooling system types
- Water tank types
- Water heating systems
- Source of water supply
- Procurement method
- Procurement level
- Procurement procedure
- Construction works status level
- Procurement Plan status.

HI Types:

SN	HI Classification	HI Types
A.	Government HIs	
1.	<u>Health Care Service Units</u>	Central Hospital (CH)
2.		Regional Hospital (RH)
3.		Sub-regional Hospital (SRH)
4.		Zonal Hospital (ZH)
5.		District Hospital (DH)
6.		Health Centre (HC)
7.		Primary Health Care Centre (PHCC)
8.		Health Post (HP)
9.		Sub Health Post (SHP)
10.		Medical College/Teaching Hospital (TH)
11.	<u>Diagnostic and other Services Units</u>	Radiology and Pathology Laboratory
12.		Pharmacy

13.	<u>Ayurvedic Health Care Service Units</u>	Central Ayurveda Hospital
14.		Zonal Ayurved Aushadhalaya (Pharmacy)
15.		District Ayurved Health Centres
16.		Ayurved Aushadhalaya (Clinics)
17.		Other Ayurved His
18.	<u>Human Resource Development</u>	Central Health Training Centres
19.	<u>Logistics and other Support Units</u>	Regional Health Training Centres
20.		Medical Stores
21.		Drug Management Offices
22.	<u>Management and Administration</u>	Sector Ministry
23.		Departments and Central-level Offices
24.		Regional-level Offices
25.		District-level Offices
B.	<u>Non-government HIs</u>	
26.	<u>Health Care Service Units</u>	NGO/INGO Hospitals
27.		Mission Hospitals
28.		Private Hospitals and Nursing Homes
29.		Private Clinics and Polyclinics
30.	<u>Diagnostics and other Support</u>	Pathology and Radiology Centres
31.	<u>Service Units</u>	Private Pharmacy

Building Structure Types:

SN	Types
1.	Reinforced Cement Concrete (RCC) Frame Structure
2.	Brick/Stone Masonry (BSM) in Cement Mortar with RCC Roof
3.	BSM in Cement Mortar with Corrugated Galvanised Iron (CGI) /Asbestos Roof
4.	BSM in Mud Mortar with CGI/Asbestos Roof
5.	BSM in Cement Mortar with Tile/Slate Roof
6.	BSM in Mud Mortar with Tile/Slate Roof
7.	Other/Known Type

Functional Use/Purpose of Health Buildings:

SN	Classification	Types
1.	<u>Main Building</u>	Main Health Care Service Building
2.		Main Management and Administrative Building
3.	<u>Outpatient Department (OPD) Clinic</u>	Dental Clinic
4.		Directly Observed Treatment Short Course (DOTS) Clinic
5.		Expanded Programme on Immunization (EPI)/Maternal and Child Health (MCH)/Family Planning (FP) Clinics
6.		Eye Clinic
SN	Classification	Types
7.	<u>OPD Clinic</u>	HIV Clinic
8.		Medical Clinic
9.		Obs/Gyn Clinic
10.		Pediatric Clinic
11.		Surgical Clinic
12.	<u>Emergency</u>	Emergency Unit
13.	<u>Inpatient Department</u>	Inpatient Wards
14.	<u>Birthing units</u>	Birthing Unit (HP)
15.		BEOC (PHCC)
16.		CEOC (DH)
17.	<u>Specialised Units</u>	Central Sterile Supply Department (CSSD)
13.		Intensive Care Unit (ICU)
14.		Comprehensive Abortion Care (CAC)
15.		Trauma Centres
16.	<u>Staff Quarters</u>	One Family Staff Quarter
17.		Two Family Staff Quarter
18.		Three Family Staff Quarter
19.		Four Family Staff Quarter

20.	<u>Doctors' Quarters</u>	One Family Doctors Quarter
21.		Two Family Doctors Quarter
22.		Three Family Doctors Quarter
23.		Four Family Doctors Quarter
24.	<u>Nurses' Quarters</u>	One Family Nurse Quarter
25.		Two Family Nurse Quarter
26.		Three Family Nurse Quarter
27.		Four Family Nurse Quarter
28.	<u>Auxiliary Nurse Midwives' (ANMs') Quarters</u>	ANM Quarter
29.	<u>Operation Theatre (OT)</u>	OT
30.	<u>Other Support Units</u>	Training Centres
31.		Mortuary and Post-mortem
32.		Medical Store
33.		General Store
34.		Toilet
35.		Waiting Area
36.		Kitchen

Land/Building Ownership Types:

SN	Types
1.	Owned
2.	Rented
3.	VDC/ District Development Committee (DDC) of other Community Buildings

Land Area Unit Types:

SN	Types
1.	Ropani
2.	Bigha
3.	Square Feet
4.	Square Metres

Road Types:

SN	Types
1.	Highway
2.	Main Road
3.	Side Road

Electric Power Supply Line Types:

SN	Types
1.	Not Available
2.	National Grid
3.	Solar or other Reusable Energy
4.	Local Hydroelectric Power

Incinerator Types:

SN	Types
1.	Not Available
2.	Manual
3.	Electric

Building/Building Elements Physical Condition Types:

SN	Types
1.	Not Applicable
2.	Good
3.	Medium
4.	Poor
5.	Very Poor

Building Elements Problem Types:

SN	Types
1.	Not Applicable
2.	Cracks
3.	Broken
4.	Leakage
5.	Seepage
6.	Settlements
7.	Broken Locks/Hinges/etc.

Temperature Cooling System Types:

SN	Types
1.	Not Applicable
2.	Air Conditioning
3.	Refrigeration
4.	Central Cooling System
5.	Refrigerated Containers
6.	Others

Water Tank Types:

SN	Types
1.	Not Applicable
2.	RCC
3.	PCC
4.	Galvanised Iron (GI) Sheet

Water Heating Systems:

SN	Types
1.	Not Applicable
2.	Electrical Geysers
3.	Solar Panel System
4.	Central Steam System

Source of Water Supply:

SN	Types
1.	Not Applicable
2.	Piped Water Supply
3.	Stream/Pond
4.	Ground Water (Boring/Hand Pump)

Procurement Method:

SN	Types
1.	NCB
2.	ICB

Procurement Level:

SN	Types
1.	Central
2.	District

Procurement Procedure:

SN	Types
1.	GoN
2.	WB

Construction Works Status Level:

SN	Types
1.	Site Clearance and Foundation Digging
2.	Foundation Laying
3.	Damp Proof Course (DPC)Works
4.	Work in Sill Level
5.	Work in Lintel Level
6.	Work in Slab/Roof Level
7.	Electric Works

8.	Plumbing Works
9.	Plaster Works
10.	Painting Works
11.	Works Completed

Procurement Plan Status:

SN	Types
1.	Planned (P)
2.	Revised (R)
3.	Actual (A)

6.2 REPAIR AND MAINTENANCE PLAN AND CRITERIA

The repair and maintenance of health buildings is planned and implemented each year, based on the physical status reported by the respective HIs. Health building repair and maintenance plans prescribe preventive maintenance, minor repair and maintenance, or major repair and maintenance, depending upon the buildings' physical status and age.

Preventive maintenance is planned and budgeted for all buildings older than two years (since completion) whose physical condition is good. Buildings which are not in good physical condition also require repair and maintenance, either minor repair and maintenance or major repair and maintenance.

Buildings which are more than fifty years old, or whose physical condition is very poor overall, require reconstruction.

The following table illustrates the repair and maintenance plans defined based on a building's condition and age.

SN	Repair and Maintenance Plan	Building Condition	Building Age
1.	Preventive Maintenance	Good	> 2 years
2.	Minor Repair and Maintenance	Medium	≤ 50 years
3.	Major Repair and Maintenance	Medium	> 50 years
		Poor	≤ 50 years
4.	Reconstruction	Poor	> 50 years
		Very Poor	–

6.3 REPAIR AND MAINTENANCE RATES

For each repair and maintenance plan (including reconstruction), the required budget/cost is calculated on the basis of a predefined standard rate and set procedure. Repair and maintenance and reconstruction costs are based on the area and volume of given building elements and are calculated on the basis of predefined rates. Such predefined rates vary according to the use or purpose of buildings and the type of repair and maintenance plan.

All health care service facilities are further categorised as specialised buildings or general buildings. Health care service units are defined as specialised buildings, while general buildings include administrative, management, training, and logistics support units.

Repair and Maintenance Plan	Rates
1. Preventive Maintenance	2% of the building construction cost
2. Minor Repair and Maintenance	3% of the building construction cost
3. Major Repair and Maintenance (Corrective)	
Door and Windows	NPR 4,000/sq ft
Wall	NPR 350/cu ft
Roof	NPR 250/sq ft
Slab	NPR 350/sq ft
Floor	NPR 250/sq ft
<u>Support Facilities</u>	
Facility Condition : Poor	0.02% of the building construction cost
Facility Condition : Very Poor	0.06% of the building construction cost
Support Facilities	i. Water Supply and Drainage
	ii. Electricity
	iii. Plumbing and Sanitation
	iv. Power Backup System
	v. Cold Chain/Store
	vi. Steam System
	vii. Waste Pit
	viii. Placenta Pit
	ix. Incinerator
4. Building Construction Cost	
i. General Buildings	NPR 3,500/sq ft
ii. Specialised Buildings	NPR 4,500/sq ft

6.4 HEALTH BUILDING DESIGN STANDARDS

Health Building Design Standards

Recently, standard building designs have been defined by NHSSP for selected HI types. The defined building designs for health buildings are listed below:

SN	HI Type	Ecological Zone	Type/Option	Design Detail
1.	HP	Mountain		Load-bearing/Stone Wall/2 Storeys
2.		Hill	Type-1	Load-bearing/Stone Wall/2 Storeys
3.			Type-2	Load-bearing/Stone Wall/2 Storeys
4.		Tarai		Frame Structure/Brick Wall/2 Storeys
5.	Birthing Unit (HP)		Type-1	Load-bearing/Stone Masonry/1 Storey/Flat Roof
6.			Type-2	Load-bearing/Stone Masonry/1 Storey/Sloped Roof
7.	PHCC	Mountain		RCC Frame Structure/Stone Masonry/3 Storeys
8.		Hill		RCC Frame Structure/Stone Masonry/2 Storeys
9.		Tarai		RCC Frame Structure/Brick Masonry/3 Storeys
10.	OPD (PHCC)	Hill/Mountain		Load-bearing/Brick Wall/1 Storey
11.	BEOC (PHCC)		Option-1	Frame Structure/Brick Wall/1 Storey
12.			Option-2	14" Brick Wall/1 Storey
13.	District Hospital	Mountain		RCC Frame Structure/Stone Wall/2 Storeys
14.		Hill		RCC Frame Structure/Stone Wall/2 Storeys
15.		Tarai		Frame Structure/Brick Wall/3 Storeys
16.	CEOC (DH)		Option-1	Frame Structure/Brick Wall/1 Storey
17.			Option-2	14" Brick Wall/1 Storey
18.	CSSD (DH)	Hill		Load-bearing/Stone Wall/1 Storey
19.	Emergency (DH)	Hill/Mountain		Load-bearing/Stone Wall/1 Storey
20.	ICU (DH)	Hill/Mountain		Load-bearing/Stone Wall/1 Storey
21.	OPD (DH)	Hill/Mountain		Load-bearing/Stone Wall/1 Storey
22.	OT (DH)	Hill/Mountain		Load-bearing/Stone Wall/1 Storey
23.	Radiology (DH)	Hill/Mountain		Load-bearing/Stone Wall/1 Storey

6.5 HIIS USERS

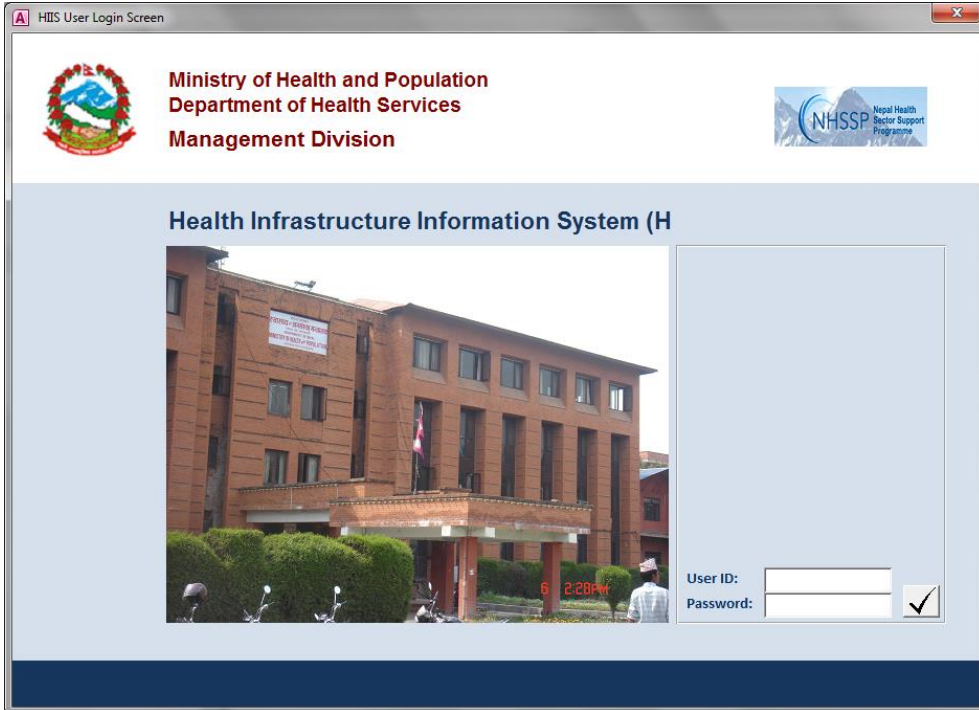
HIIS users are classified into the following categories:

- System administrator
- Management
- Planning
- Data Maintenance.

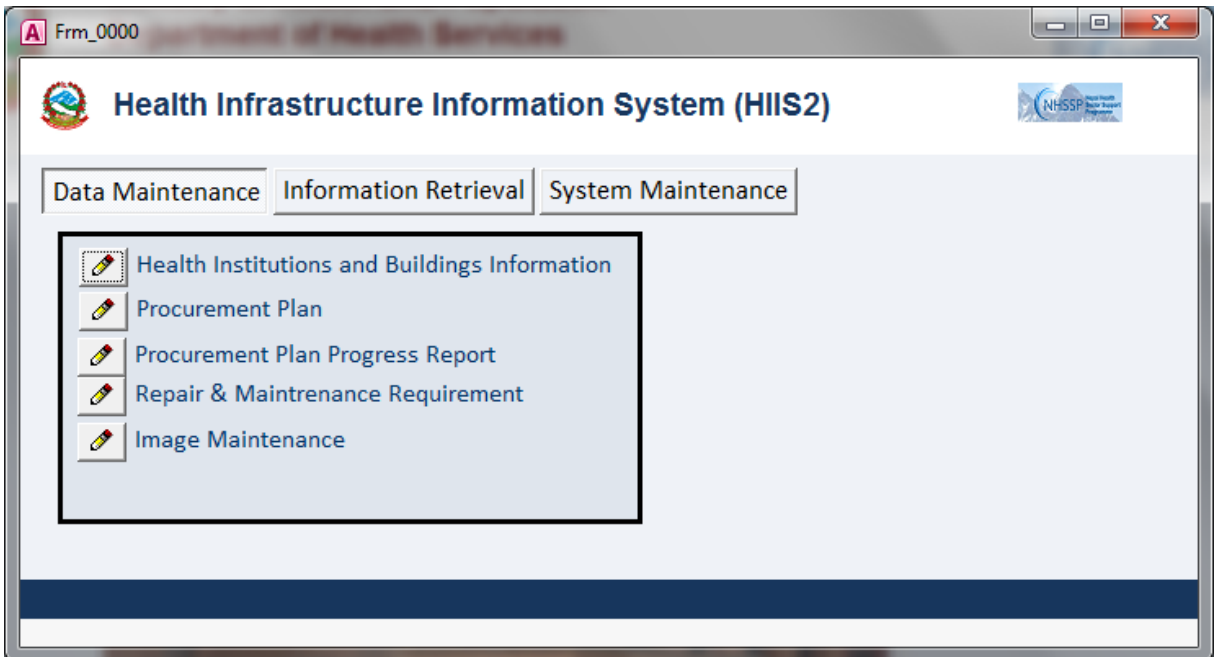
The System Administrator has full authority to operate HHS3 with respect to information maintenance, information retrieval, and defining system base data. Users belonging to the management group can retrieve information (reports and queries) of all kinds but cannot enter or edit information. Planning users can retrieve information (reports and queries) of all kinds as well as define/change repair and maintenance criteria and rates. Those in the data maintenance group can perform data entry and edit information.

ANNEX I: HIIS SCREEN FORMS

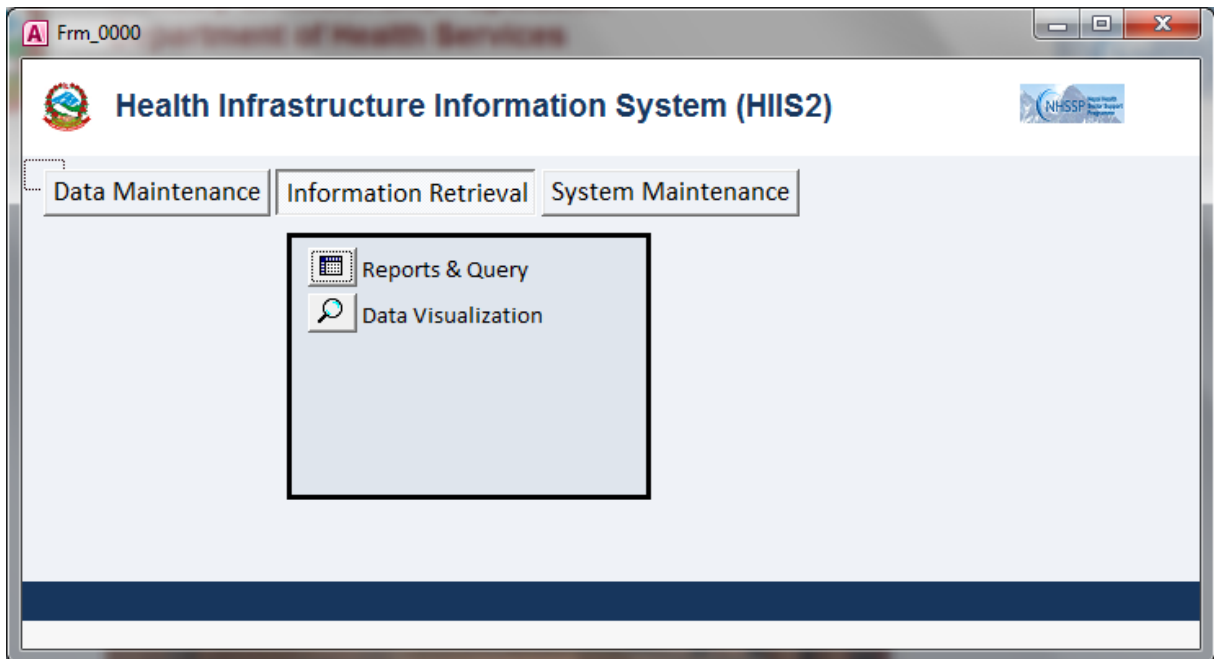
HIIS3 Login Screen



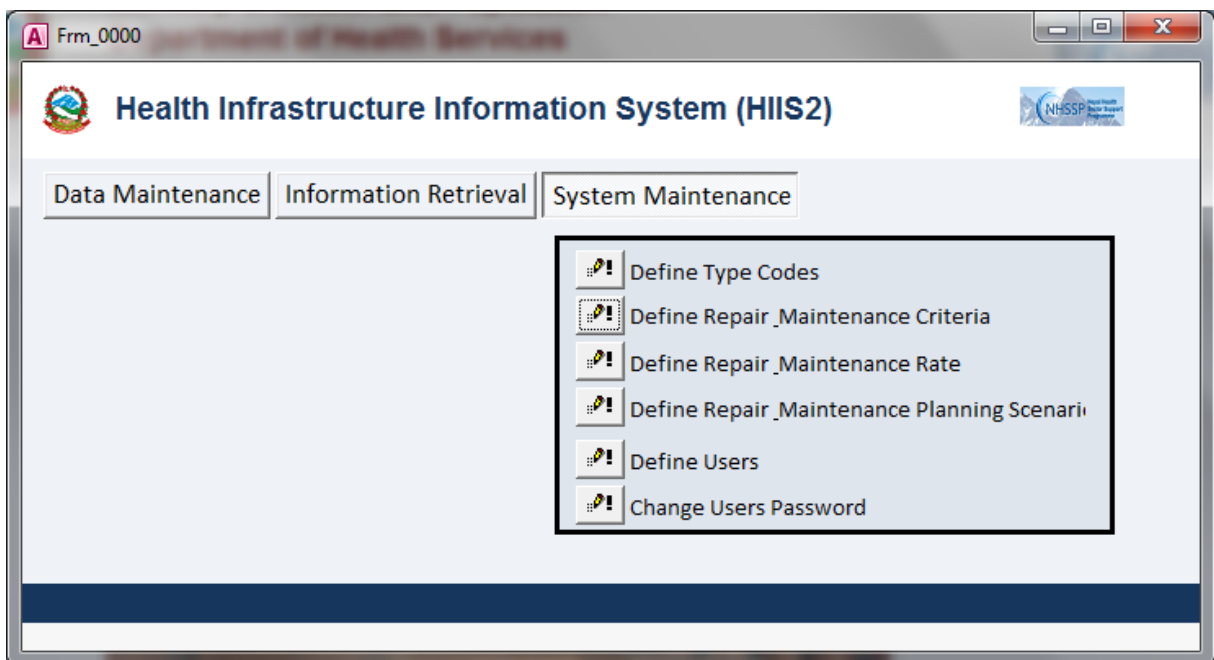
Information Maintenance Menu Screen



Information Retrieval Menu Screen



System Maintenance Menu Screen



Health Institutions Data Maintenance Screen

Health Institutions

District: All Health Institute Type: All

HI Type Original: HI Type:

Est/Upgraded FY:

ID: Land Area:

Name:

Location:

District:

VDC:

Settlement:

HI Details:

Land Owned:

Building Blocks:

HI Name: Upgraded

Record: 1 of 1 No Filter Search

Health Institutions' Detailed Data Maintenance Screen – Number of Beds, Accessibility, and Utility

Health Institutions Detail

ID: 69-SHP-4294 HI Type: Sub Health Post Name: Babala Sub Health Post, Achham

District: Achham VDC/Municipality: Babala Settlement:

Number of Beds, Accessibility and Utility Support Services

Sanctioned Beds:

Available Beds:

Access to Road Type:

Distance From Side Road to Main/Highway: Km Hr

Walking Distance to Main/Highway: Km Hr

Main City/Market Centre:

Distance to Nearest City/Market Centre (KM):

Nearest City/Market Centre Name:

Electricity Supply Line:

Water Supply:

Internet:

Record: 1 of 1 Filtered Search

Health Institutions' Detailed Data Maintenance Screen – Support Services

Health Institutions Detail

ID: 69-SHP-4294 HI Type: Sub Health Post Name: Babala Sub Health Post, Achham
 District: Achham VDC/Municipality: Babala Settlement:

Number of Beds, Accessibility and Utility Support Services

Overhead Water Tank: <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Not Existing Located Separately <input type="checkbox"/> Or In Building Block No: <input type="text"/> Type: <input type="text"/> Year of Construction: <input type="text"/> Capacity: <input type="text"/> Operational Status: <input type="text"/>	Underground Water Tank: <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Not Existing Located Separately <input type="checkbox"/> Or In Building Block No: <input type="text"/> Type: <input type="text"/> Year of Construction: <input type="text"/> Capacity: <input type="text"/> Operational Status: <input type="text"/>	Incinerator: <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Not Existing Incinerator Type: <input type="text"/> Year of Construction: <input type="text"/> Capacity: <input type="text"/> Operational Status: <input type="text"/>
Septic Tank: <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Not Existing Located Separately <input type="checkbox"/> Or In Building Block No: <input type="text"/> Year of Construction: <input type="text"/> Capacity: <input type="text"/> Operational Status: <input type="text"/>	Storage Area: <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Not Existing Year of Construction: <input type="text"/> Capacity: <input type="text"/>	Soak Pit: <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Not Existing Year of Construction: <input type="text"/> Capacity: <input type="text"/>
	Placenta Pit: <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Not Existing Capacity: <input type="text"/>	

Record: 1 of 1 Filtered Search

Land Plot Data Maintenance Screen

Land Plot

District: Achham
 HI Type: Sub Health Post
 HI: Babala Sub Health Post, Achham

Plot No	Ownership	Built Area	Total Area	Ownership Certificate
				<input type="checkbox"/>

Record: 1 of 1 Filtered Search

Building Block Data Maintenance Screen

Building Blocks

District: Achham
 Health Institution: Babala Sub Health Post, Achham
 Health Institution Land Area: BuiltArea, LandArea, Remaining Lan

ID	Building Block Name	YOC	Storey	Floor Area	GC	Functional Use	Plot No	Ownership	Condition

Ph Count: Ph Drw:

Records: 1 of 1 Filtered Search

Procurement Plan Data Maintenance Screen

Procurement Plan

District: Health Institution Type: Fiscal Year:

Division Office: Health Institution Type: Contract ID: District: Health Institution: Service Facility/Unit: Works: Works Description: Project Name: Procurement Procedure: Procurement Method: Procurement Level: PriorPost Review: on Tender Process: Contract Signed: Completed: Handed Over: Procurement Plan Detail

Contract ID	fld_Bldg_SID	fld_TCV_NM

Health Institutions Health Building

Records: 1 of 1 No Filter Search

Procurement Plan Detailed Data Maintenance Screen

Procurement Plan Detail

Contract ID: NHSP-Doti-2066/067-7026

Works: Jupu HP Bldg. Const., Achham

SN	Status	Estimated Cost in US\$	Estimated Cost in NPR	Bid Document Request for Approval Date	Bid Document Approval Date	Bid Invitation Date	Bid Opening Date	Bid Evaluation Date	Bid Evaluation Request for Approval Date	Bid Evaluation Approval Date	Contract Date	Contract Amount US\$	Contract Amount NPR	Agreed Completion Date	Handed over Date
▶ 1	P					2/16/2010	3/19/2010				5/2/2010			8/2/2011	
2	R					5/17/2010	6/17/2010				10/23/2010			1/3/2012	
3	A					5/17/2010	6/17/2010				10/23/2010			1/3/2012	
####	P	0.20				2/16/2010	3/19/2010				5/2/2010				
####	R	0.23				5/17/2010	6/17/2010				10/23/2010				
####	R	0.16				5/17/2010	6/17/2010				10/23/2010				
####	A	0.16				5/17/2010	6/17/2010				10/23/2010				
*															

Record: 1 of 7 Filtered Search

Works Status (Procurement Plan Progress Report) Data Maintenance Screen

Works Status Report

Year:

Month:

Division Office/HL:

Contract ID	Budget Released	Budget Expended	Progress %	Works Level	Status Remarks

Photographs

Record: 1 of 1 No Filter Search

Repair and Maintenance Requirement Computation Screen

HIIS Building Repair & Maintenance Rates Definition Data Screen

Repair & Maintenance Requirement

Building Category	Preventive and Corrective Maintenance			Major Repair & Maintenance																		
	Building Costing Rate	Preventive Maintenance	Minor Repair & Maintenance	DW	Wall	Roof	Slab	Floor	Water Supply and Drainage	Electricity	Plumbing and Sanitation	Power Backup System	Cold Chain/Store	Poor	V. Poor	WSD	Steam System	Waste Pit	Placenta Pit	Incinerator	Poor	V. Poor
General:	3500	2	3	4000	350	250	350	250	0.02	0.06	0.02	0.06	0.02	0.06	0.02	0.06	0.02	0.06	0.02	0.06	0.02	0.06
Specialized:	4500	2	3																			

Base Year: Building Count with no floor area: Building Count with no YOC:

Total RM Cost	Preventive Maintenance RM Cost	Minor Repair RM Cost	Major Repair RM Cost	Reconstruction RM Cost

Image Maintenance Data Screen

HIIS Imprpt Image Files Parameter Screen

Copy/Upload HI Building Image File

District: HI Type: HI: Building:

Image Files:

Amend Image HI Building

Source Building Image File

Drive: Folder:

Image Files:

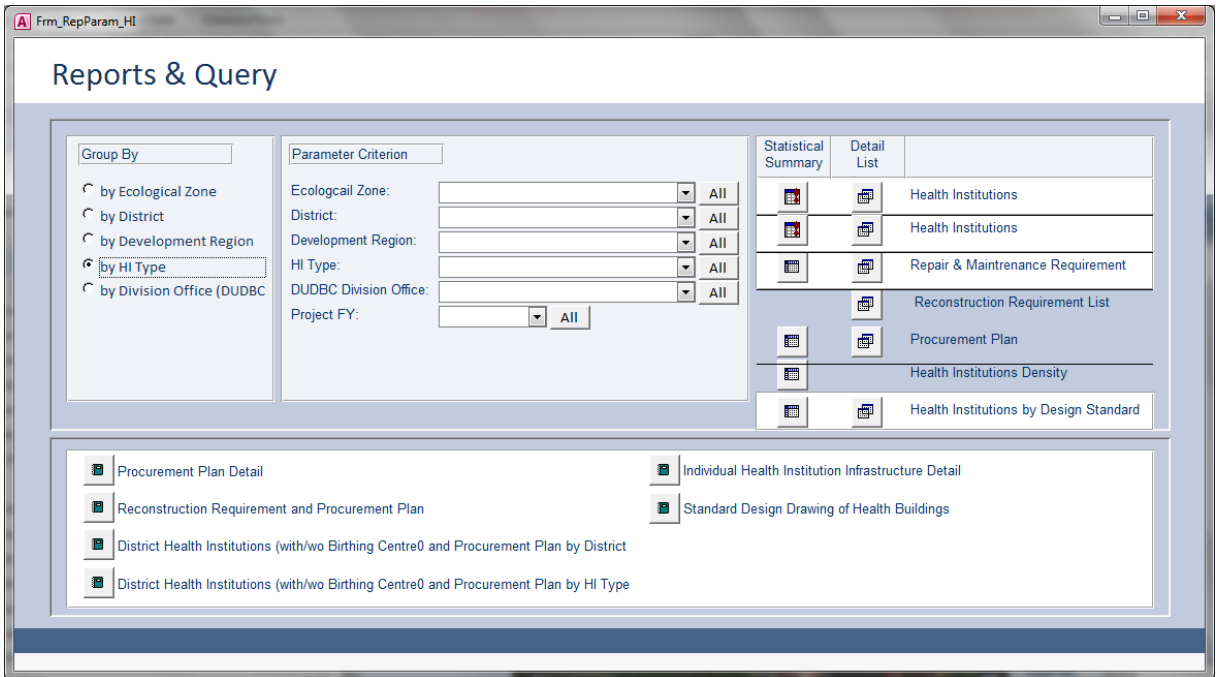
Title:

Copy / Upload File >>>

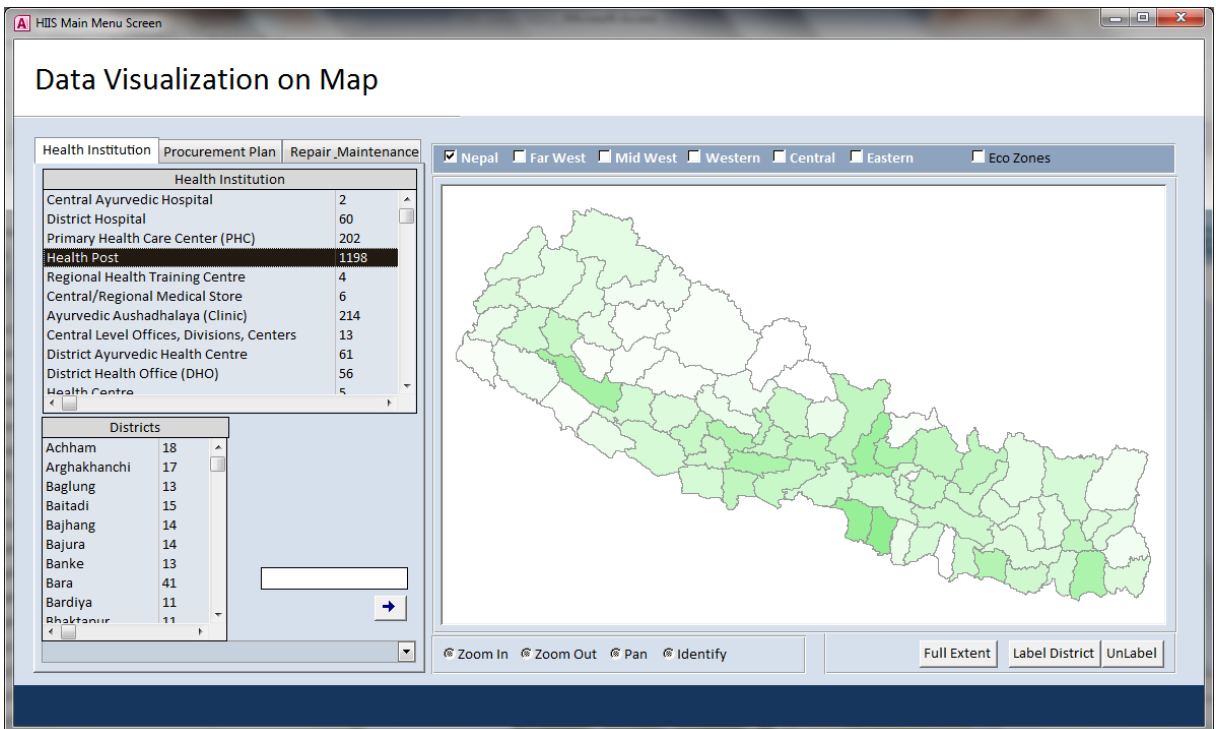
Image Type:

- Drawing
- Photograph

Reports and Query Menu Screen



Data Visualisation Screen



Type Code Definition Data Screen

HHS Define Type Codes Data Screen

Define Type Codes

Type Code:

ID Name

0

Record: 1 of 1 No Filter Search

Repair and Maintenance Criteria Definition Data Screen

HHS Building Repair & Maintenance Criteria Definition Data Screen

Define Building Repair & Maintenance Criteria

2.3778*

Select Criteria Field

- Functional Use of Building
- Design Standard
- Repair & Maintenance Requirement
- Building ID
- Building UID
- Building Block Name (Type)
- Year of Construction
- Ground Coverage
- Number of Storey

Select Criteria Value

Enter Report Criteria Parameter Value

Query Statement:

CRM ID 80900

CRM Name New Construction

CRM Criteria

CRM Criteria List

- New Construction
- Regular Maintenance
- Minor Repair and Maintenance
- Major Repair and Maintenance

Record: 1 of 5 No Filter Search

Repair and Maintenance Rate Definition Data Screen

HHS Building Repair & Maintenance Rates Definition Data Screen

Building Repair & Maintenance Rate

Preventive and Corrective Maintenance	General Building	Specialized Building		Support Services	Poor	Very Poor
Building Costing Rate:	3500	4500	Per SqFt	Water Supply and Drainage:	0.02	0.06
Preventive Maintenance:	2	2	Per SqFt	Electricity:	0.02	0.06
Preventive Maintenance with Minor Repair:	3	3	Per SqFt	Plumbing and Sanitation:	0.02	0.06
Corrective Maintenance (Major Repair):				Power Backup System:	0.02	0.06
Doors and Windows:	4000		Per SqFt	Cold Chain/Store:	0.02	0.06
Wall:	350		Per CubFt	Steam System:	0.02	0.06
Roof:	250		Per SqFt	Waste Pit:	0.02	0.06
Slab:	350		Per SqFt	Placenta Pit:	0.02	0.06
Floor:	250		Per SqFt	Incinerator:	0.02	0.06

Repair and Maintenance Plan Scenario Definition Data Screen

HHS Building Repair & Maintenance Plan Scenario Definition Data Screen

Building Repair & Maintenance Plan Scenario Definition

Priority/Scenario: Scenario 1, Scenario 2, Scenario 3, Scenario 4, Scenario 5, Scenario 6

RM Plan:

- Preventive Maintenance
- Minor Repair & Maintenance
- Major Repair & Maintenance
- Reconstruction

Select Criteria Field:

- Number of Sanctioned Beds
- Number of Available Beds
- Access Road Type
- Walking Distance to Main/HighWay
- Distance to Nearest City/Market Centre
- Electricity Supply
- Water Supply
- Internet

Select Criteria Value:

Enter Report Criteria Parameter Value

Line # Criteria

Record: No Filter Search

User Definition Data Screen

HHS Define Users Data Screen

Define User

ID	Name	Password	User Domain	Data Scope Type	Data Scope	User Level
Ajaya	Ajaya Prashan	*****	Health Care Service	District Wide	Kathmandu	System Admin
asm	Ashok Manandhar	***	System Admin	Nation Wide	All Districts	System Admin
Diwakar	Diwakar Sapkota	*****	Health Care Service	District Wide	Lalitpur	Operations
dohs	DOHS	****	Health Care Service	Nation Wide	All Districts	Operations
dudbcmgn	DUDBC Management	*****	Procurement	System Admin	All Division Offices	Management
dudbcOpr	DUDBC Operation	*****	Procurement	System Admin	All Division Offices	Operations
Krishna	Krishna Tiwari	*****	Health Care Service	District Wide	Kathmandu	System Admin

Record: 1 of 9 No Filter Search

User Password Changing Data Screen

HHS Define/Change User Password Data Screen

Define/Change User Password

ID: dohs

Name: DOHS

Password: ****

Record: 1 of 1 No Filter Search

ANNEX II: SAMPLE REPORT PREVIEW

Health Institutions' Print Preview

SN	Health Institution Name	District	VDC/Municipality	Land Area	Building Count	Ground Coverage	Floor Area
Central Ayurvedic Hospital							
1	Ayurvedic Hospital, Naradevi	Kathmandu	KathmanduN.P.	0.00	9	15952.07	44641.29
2	Ayurvedic Chikitsalaya, Bijouri, Dang	Dang	Bijauri		0		
District Hospital							
1	Taplejung District Hospital	Taplejung	Phungling	138269.00	5	15064.24	47398.04
2	Panchthar District Hospital	Panchthar	Phidim	339512.00	4	15058.56	15057.51
3	Ilam District Hospital	Ilam	IlamN.P.	131437.60	26	106643.12	231073.82
4	Rangeli Hospital	Morang	Rangeli	291452.40	8	37446.43	124533.42
5	Sunsari District Hospital, Inruwa	Sunsari	InaruwaN.P.	118952.50	22	127567.85	466327.66
6	Dhankuta District Hospital	Dhankuta	DhankutaN.P.	0.00	14	39105.06	83377.55
7	Bhojpur District Hospital	Bhojpur	Bhojpur	1539.57	6	54164.86	164292.61
8	Sankhuwasabha District Hospital, Khadbari	Sankhuwasabha	KhadbariN.P.	27382.83	2	16742.20	34957.41
9	Terhathum District Hospital	Terhathum	Myanglung	273828.30	9	58986.97	89860.13
10	Solukhumbu District Hospital, Phaplu	Solukhumbu	Salleri	41125.00	3	16361.33	33601.33
11	Khotang District Hospital,	Khotang	Dikei	0.00	4	51887.19	68345.15
12	Udaypur District Hospital, Gaighat	Udayapur	TriyugaN.P.	317465.10	20	74092.00	169177.42
13	Ram Kumar Uma Prasad Smarak Hospital, Laha	Siraha	LahanN.P.	129391.80	2	3012.00	3012.00
14	Siraha District Hospital	Siraha	SirahaN.P.	210557.50	9	110693.72	402110.18
15	Mahottari District Hospital, Jaleswor	Mahottari	JalesworN.P.	169492.50	25	85000.44	150100.67
16	Sarlahi District Hospital	Sarlahi	MalangawaN.P.	0.00	12	68056.64	132064.15
17	Sindhuli District Hospital	Sindhuli	KamalamiN.P.	64425.00	13	30161.28	51624.79
18	Ramechhap District Hospital	Ramechhap	Ramechhap	295704.00	21	54259.95	83004.18
19	Jiri Hospital	Dolakha	Jiri	0.00	10	26066.52	76849.88
20	Sindhupalchowk District Hospital, Chautara	Sindhupalchowk	Chautara	57558.57	15	32839.18	87299.64
21	Bhaktapur District Hospital	Bhaktapur	BhaktapurN.P.	147867.30	18	28924.76	86436.19
22	Nuwakot District Hospital	Nuwakot	BidurN.P.	0.00	18	23209.11	543638.38
23	Rasuwa District Hospital, Dhunche	Rasuwa	Dhunche	219062.60	17	18398.50	18398.50
24	Dhading Hospital, Dhading	Dhading	Nilkantha		4		
25	Rautahat District Hospital, Gaur	Rautahat	GaurN.P.	0.00	48	73900.44	207387.33
26	Bara District Hospital, Kalaiya	Bara	KalaiyaN.P.	176785.50	26	117329.99	213166.02

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Page: 14 2 No Filter

Health Building Repair and Maintenance Requirement Summary Print Preview

Rep_MarHIRMReqCountByHIType					
MoHP, DoHS, Management Division					HIS
Health Buildings Repair & Maintenance Requirement by HI Type					
HI Type	Total	Preventive Maintenance	Preventive Mainetnance & Minor Repair	Major Repair	Reconstruction
	RM Cost	RM Cost	RM Cost	RM Cost	RM Cost
15 Bed Gov Hospital (as per Cabinet	32,824,578.50	6,810,749.75	7,841,810.00	18,172,218.75	0.00
Ayurvedic Aushadhalaya (Clinic)	412,650,809.68	13,940,005.78	55,927,821.63	342,782,982.28	462,624,263.50
Central Ayurvedic Hospital	33,946,209.28	21,559,052.38	0.00	12,387,156.91	0.00
Central Hospital	229,799,312.34	153,113,769.62	60,856,668.47	15,828,874.25	285,923,834.00
Central Level Offices, Divisions, Cent	0.00				
Central Level Offices, Divisions, Cent	61,689,796.00	0.00	0.00	61,689,796.00	0.00
Central Level Offices, Divisions, Cent	77,486,395.66	39,574,180.63	37,912,215.03	0.00	0.00
Central/Regional Medical Store	50,249,390.23	10,297,219.23	3,234,000.00	36,718,171.00	0.00
Central/Regional Public Health Labora	18,972,503.81	0.00	18,972,503.81	0.00	0.00
Community Hospital	28,448,075.22	25,087,988.00	3,360,089.22	0.00	0.00
Departments under MOH	26,184,010.13	26,184,010.13	0.00	0.00	0.00
District Ayurvedic Health Centre	25,297,084.91	8,697,117.30	4,817,539.62	11,782,428.00	0.00
District Health Office (DHO)	338,913,747.79	57,406,876.14	23,993,444.45	257,513,427.20	534,808,638.00
District Hospital	1,515,600,723.85	138,902,730.16	496,917,452.35	879,780,541.34	20,382,320,987.44
District Medical Store	0.00	0.00	0.00	0.00	0.00
District Public Health Office (DPHO)	98,903,097.85	69,745,395.56	29,157,702.29	0.00	174,962,564.00
Govt Zonal Hospital	2,496,982,100.52	52,617,123.22	112,190,218.26	2,332,174,759.03	1,311,909,098.50
Health Centre	6,094,103.64	1,001,974.64	882,000.00	4,210,129.00	54,002,557.00
Health Education Information & Com	6,446,383.13	0.00	6,446,383.13	0.00	0.00
Health Post	0.00				
Health Post	1,947,484,250.68	86,288,719.35	303,387,305.16	1,557,808,226.17	1,803,674,668.25
Homeopathic/Unani	26,933,491.16	0.00	17,810,356.16	9,123,135.00	0.00
Ministry (MOH)	32,155,382.88	32,155,382.88	0.00	0.00	0.00
National Public Health Laboratory	166,833,988.32	5,077,384.32	161,756,602.00	0.00	0.00
Other Ayurvedic Related Health Institu	40,423,093.59	36,406,983.59	0.00	4,016,110.00	101,606,694.00
Other Health related Govt Institutions	46,373,169.06	2,809,973.63	41,827,170.00	1,936,025.44	0.00
Primary Health Care Center (PHC)	6,387,360.00	413,280.00	4,903,080.00	1,071,000.00	0.00
Primary Health Care Center (PHC)	1,430,187,568.28	67,528,687.81	174,414,126.03	1,188,244,855.44	1,222,582,529.00

Page 2 of 3

Page: 14 2 No Filter

Health Institutions Procurement Plan List Print Preview

SN	Health Institution	Contract ID	On Tender Process	Contract	Complete	Handed Over
15 Bed Gov Hospital (as per Cabinet Deci)						
1	Bardibas Hospital	Manusha-2065/066-1722	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Birtbang District Hospital	Baglung-2065/066-4520	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Kateri Hospital	P Saptari-2065/066-1538	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Pokhariya/Batoariya Hospital	BP Parsa-2068/069-3450	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Pokhariya/Batoariya Hospital	BP Parsa-2068/069-3449	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Tikapur Hospital	BP Kailali-2067/068-7127	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Tikapur Hospital	BP Kailali-2065/066-7117	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8	Rumjatar Hospital	aidhunga-2066/067-1225	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Mankhel 15-Bed Hospital	partment-2065/066-2722	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Methkot Hospital	BP Kavre-2067/068-2453	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Pokhariya/Batoariya Hospital	BP Parsa-2065/066-3424	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	Pokhariya/Batoariya Hospital	BP Parsa-2067/068-3446	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Birtbang District Hospital	Baglung-2067/068-4537	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ayurvedic Au shadh alaya (Clinic)						
1	Ayurvedic Ausadhalya, Thansing Nuwakot	No Contract ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Ayurvedic Ausadhalya, Thakani	BP Kavre-2066/067-2424	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Ayurvedic Ausadhalya, Chhibani	No Contract ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Ayurvedic Ausadhalya, Shreemanjeng, lamjun		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Ayurvedic Ausadhalya, Dibharna, Arghakhadi		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Ayurvedic Ausadhalya, Birtappa, Ilam	IHSP-Ilam-2066/067-326	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Ayurvedic Ausadhalya, Ratnapur	No Contract ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Ayurvedic Ausadhalya, Khilungdeurali, Syangj		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Ayurvedic Ausadhalya, Palungtar, Gorkha		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Ayurvedic Ausadhalya, Golbazar, Asanpur	P Saptari-2066/067-1539	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	Ayurvedic Ausadhalya, Bhanuli, Bhanuli	Manusha-2068/069-1754	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	Ayurvedic Ausadhalya, Hasuliya, Kailali	BP Kailali-2066/067-7118	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	Ayurvedic Ausadhalya, Dhikure, Nuwakot	Nuwakot-2068/069-2836	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Ayurvedic Ausadhalya, Batoariya	Manusha-2068/069-1753	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	Ayurvedic Ausadhalya, Dedegaun	No Contract ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	Ayurvedic Ausadhalya, Kawasoti		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	Ayurvedic Ausadhalya, Danda Dara (Chhapre)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	Ayurvedic Ausadhalya, Kusma, Nawalparasi	Chitwan-2066/067-3520	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	Ayurvedic Ausadhalya, Manpokadi, Rupandehi	No Contract ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	Ayurvedic Ausadhalya, Madhuwan		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	Ayurvedic Ausadhalya, Madhyapur Thimi, Bhanuli	partment-2061/062-2741	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	Ayurvedic Ausadhalya, Pokali, Sunsari	No Contract ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Health Institutions List with Design Standard Print Preview

SN	Health Institution Type	Main Building YOC	Building Count	Total Ground Coverage	HI Land Area
District Hospital					
<u>District Hospital: Integrated Design</u>					
1	Bajura District Hospital	2067	15	53612.81	147852.00
2	Udaypur District Hospital, Galghat	2065	35	127704.81	465317.10
3	Kailikot District Hospital	2067	55	192483.18	609803.50
4	Siraha District Hospital	2064	64	303176.89	820361.00
5	Jiri Hospital	2067	74	329243.42	
6	Mahottari District Hospital, Jaleswor	2065	99	414243.85	989853.50
7	Humla District Hospital	2067	116	1041284.51	1188203.00
8	Sarlahi District Hospital	2065	128	1109321.14	
9	Sindhuli District Hospital	2065	141	1139482.42	1252628.00
10		2065	154	1169643.70	1317053.00
11	Ramechhap District Hospital	2066	175	1223903.66	1612757.00
12		2067	196	1278163.61	1908461.00
13	Khotang District Hospital,	2065	200	1330050.80	
14	Sindhupalchowk District Hospital, Chautara	2065	215	1362889.99	1966020.00
15	Mahottari District Hospital, Jaleswor	2064	240	1447890.42	2135513.00
16	Bera District Hospital, Kalya	2064	266	1565220.41	2312298.00
17		2064	292	1682550.40	2489084.00
18		2066	318	1799880.38	2665869.00
19		2066	344	1917210.37	2842655.00
20	Palpa District Hospital	2065	351	1943161.42	2883890.00
21	Gorkha District Hospital	2065	367	2025448.46	2987934.00
22		2067	383	2107735.50	3091978.00
23	Gulmi District Hospital, Tamghas	2067	399	2138518.71	3173196.00
24	Tenahu District Hospital, Damauli	2064	410	2182407.76	3230010.00
25	Syangja District Hospital	2064	423	2243388.96	3290253.00
26	Gulmi District Hospital, Tamghas	2067	439	2274172.16	3371471.00
27	Miyagdi District Hospital, Beni	2066	456	2310568.50	3593548.00
28	Rithiviri Bir Hospital, Kapilvastu	2067	468	2381653.00	3739348.00
29	Baitadi District Hospital	2064	488	2422608.29	3794511.00
30	Rangeli Hospital	2064	496	2460054.72	4085964.00
31	Ilam District Hospital	2067	522	2566697.84	4217402.00
32		2067	548	2673340.96	4348839.00
33	Sunseri District Hospital, Inruwa	2064	570	2800908.81	4467792.00
34		2067	592	2928476.66	4586744.00
35	Ilam District Hospital	2065	618	3035119.78	4718182.00
36	Kailikot District Hospital	2064	638	3099898.14	4862668.00

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Procurement Plan Detail Print Preview

Rep_MarHIPPMainByHIDivOff
MoHP, DoHS, Management Division
HIS

SN	Health Institution	Contract ID	Estimated Cost in US \$ Million	Procurement Method	On Tender Process	Contract	Complete	Handed Over			
Baglung Division Office											
<u>15 Bed Gov Hospital (as per Cabinet Decion of 2085/04/2</u>											
1	Burtibang District Hospital	NHSP-Baglung-2087/088-4537		ICB	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
SN	Status	Bid Document Request for Approval Date	Bid Document Approval Date	Bid Invitation Date	Bid Opening Date	Bid Evaluation Date	Bid Evaluation Request for Approval Date	Bid Evaluation Approval Date	Contract Date	Agreed Completion Date	Handed over Date
1	P	11/17/2011	12/2/2011	12/4/2011	1/8/2012	2/17/2012			3/18/2012		
	R										
	A										
1	P	11/17/2011	12/2/2011	12/4/2011	1/8/2012	2/17/2012	3/3/2012	3/18/2012	4/17/2015		
2	Burtibang District Hospital	NHSP-Baglung-2085/086-4520		NCB	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
SN	Status	Bid Document Request for Approval Date	Bid Document Approval Date	Bid Invitation Date	Bid Opening Date	Bid Evaluation Date	Bid Evaluation Request for Approval Date	Bid Evaluation Approval Date	Contract Date	Agreed Completion Date	Handed over Date
1	P	11/17/2011	12/2/2011	12/4/2011	1/8/2012	2/17/2012			3/18/2012		
	R										
	A										
1	P	11/17/2011	12/2/2011	12/4/2011	1/8/2012	2/17/2012	3/3/2012	3/18/2012	4/17/2015		

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Repair and Maintenance Requirement and Procurement Plan Print Preview

HI Type	Health Institution	Building count	PP Control ID
Dist: Achham			
Ayurvedic Aushadhalaya (Clinic)	Ayurvedic Aushadhalaya, Binayak	1	
Community Hospital	Bajalpote Hospital	8	
District Health Office (DHO)	District Health Office, Achham	1	NHSP-D oth-2067/069-7052
District Hospital	Achham District Hospital, Mangelsen-6	22	NHSP-D oth-2068/069-7058
		22	No Contract ID
Health Post	Jajged Health Post, Bardadevi - 1	1	NHSP-D oth-2064/069-7016
	Sera Health Post	3	NHSP-D oth-2068/069-7063
	Baria Health Post	2	NHSP-D oth-2064/069-7018
	Santada Health Post	1	No Contract ID
	Kuduchi Health Post	3	NHSP-D oth-2064/069-7017
	Jupu health Post	3	NHSP-D oth-2066/067-7026
	Sera Health Post	3	NHSP-D oth-2067/069-7048
	Turmakhand Health Post	1	NHSP-D oth-2063/064-7009
	Kalka Health Post	4	NHSP-D oth-2067/069-7049
	Hidima Health Post	3	NHSP-D oth-2066/067-7032
	Bhreekot Health Post	2	
	Malekh Health Post	1	NHSP-D oth-2064/069-7019
	Sidheswor Health Post	2	NHSP-D oth-2066/067-7027
	Kuduchi Health Post	3	NHSP-D oth-2067/069-7040
	Baria Health Post	2	NHSP-D oth-2067/069-7039
Primary Health Care Center (PHC)	Chourmandu PHCC, Suidi VDC-6	2	NHSP-D oth-2067/069-7038
	Kmalbazar PHCC	2	No Contract ID
Sub Health Post	Mastamandau Sub Health Post	2	NHSP-D oth-2066/067-7034
	Binayak Sub Health Post, Achham	1	NHSP-D oth-2066/067-7033
	Mastamandau Sub Health Post	2	No Contract ID
Dist: Arghakhanchi			
District Ayurvedic Health Centre	District Ayurvedic Health Center	1	
District Health Office (DHO)	District Health Office	2	No Contract ID
Health Post	Hanspur Health Post	2	NHSP-Rupandehi-2067/069-4940
	Pokharthok Health Post	1	No Contract ID
	Sidhara Health Post	1	
	Khana Health Post	1	
	Submakhal Health Post	2	NHSP-Rupandehi-2068/069-4947
	Arghatosh Health Post	1	NHSP-Rupandehi-2067/069-4939
	Argha Health Post	1	
Primary Health Care Center (PHC)	Balkot PHCC	2	NHSP-Rupandehi-2068/069-4946
	Thada PHCC, Arghakhanchi	1	No Contract ID
Sub Health Post	Simalpani Sub Health Post, Arghakhanchi	1	NHSP-Rupandehi-2066/067-4930
Dist: Baglung			

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District-/Local-level Health Institutions with or without Birthing units Print Preview

MoHP, DoHS, Management Division										HIS
HP/PHCC/DH with/wo Birthing Unit and Procurement Plan										
SN	Health Institution	Old Dsgn		Standard Dsgn		Integrated Design	PP Contract ID	PP Works		
		w/BU	no/BU	w/BU	no/BU					
District Achham										
Primary Health Care Center (PHC)										
1	Choumandu PHCC, Suidi VDC-6, Achh	0	1	0	0	1	NHSP-Doti-2067/068-7038	Main Building		
Health Post										
1	Baria Health Post, Achham	0	0	0	0	1	NHSP-Doti-2067/068-7039	Main Building		
2	Jaiqad Health Post, Bardadevi - 1, Ach	1				0	NHSP-Doti-2064/065-7016	Maternity Unit		
3	Kalika Health Post, Achham	4					NHSP-Doti-2067/068-7049	Birthing Unit/Maternity		
4	Baria Health Post, Achham	1					NHSP-Doti-2067/068-7039	Main Building		
5	Turmakhand Health Post, Achham						NHSP-Doti-2063/064-7009	Maternity Unit		
6	Shreekot Health Post, Achham	0	1							
7	Mallekh Health Post, Achham	1	0				NHSP-Doti-2064/065-7019	Maternity Unit		
8	Baria Health Post, Achham						NHSP-Doti-2064/065-7018			
9	Jupu health Post, Achham	0	2			1	NHSP-Doti-2066/067-7026	Main Building		
10	Baria Health Post, Achham		0				NHSP-Doti-2064/065-7018	Maternity Unit		
11	Kuchchi Health Post, Achham	1					NHSP-Doti-2067/068-7040	Main Building		
12							NHSP-Doti-2064/065-7017	Maternity Unit		
13	Sera Health Post, Achham						NHSP-Doti-2068/069-7063	Main Building		
14							NHSP-Doti-2067/068-7048	Birthing Unit/Maternity		
15	Hichma Health Post, Achham					0	NHSP-Doti-2066/067-7032			
16	Sidheswor Health Post, Achham	0	1			1	NHSP-Doti-2066/067-7027	Main Building		
District Hospital										
1	Achham District Hospital, Manqasen-6	2	0	2	0	0	NHSP-Doti-2068/069-7058	4 Family Doctor Quart		
2							No Contract ID	Main Building		

Individual Institution Detail Query Screen

HHS Individual Building Detail Parameter Screen

Health Institution Buildings

District: 74 Baitadi
Health Institution Type: District Hospital
Health Institution: Baitadi District Hospital

Baitadi District Hospital Buildings

Block Name	Ownership	Functional Use	Ph	Ch
CEOC Unit	Owned	CEOC Unit	1	
Medical Store Building	Owned	Medical Store Building		
Hospital	Owned	Main Building	13	2
Toilet	Owned	Toilet		
Quarter #1	Owned	Staff Quarter		
Toilet #1	Owned	Toilet		


Building Condition **Support Service Condition** **Photographs:**

Repair & Maintenance Requirement IMG_3601.JPG
Identifying Information Building Basic IMG_3607.JPG
IMG_3608.JPG
IMG_3609.JPG
IMG_3610.JPG

Drawing

016-0976.jpg
016-0936.jpg

Year of Construction: 2042
No of Storey: 1
Ground Coverage: 4838.178
Total Floor Area: 4840
Structure Type: BSM in Cement Mortar with CGI/Asbestos R



HI Detail Print Procurement Plan Standard Design Drawing