BRIEF INTRODUCTION

SILT was originally formed as SILT Consultants in the year 1979. SILT was converted into a private limited company in the year 1981. The establishment of the company took place when consulting business had just started in the country. SILT, therefore, takes pride to be one of the pioneering firms in the development of Consulting Industry in Nepal. SILT is certified as ISO 9001:2015.

Gradually, the increase in the scope of consulting services in various development sectors led to the realization of a multidisciplinary approach. With this realization, SILT began with the diversification of consulting services into various fields of engineering, agriculture, rural development, environmental studies, social and economic studies, community development/gender studies, institutional and human resources development, as well as research and policy formulation related services.

SILT has its corporate office in Ratopul, Gaushala, Kathmandu, and different project offices in all over the country. SILT is well organized to provide the highest possible standards of technical and managerial services to its clients with a strong professional backing-up by a Board of Directors consisting of experts and specialists of different disciplines. SILT maintains good strength of in-house full time professional staffs and a vast pool of resource professionals to ensure high quality services to its valued clients.

SILT provides services to its clients both independently and in collaboration with other consulting firms in Nepal and abroad, and has thus attained a level of performance commensurate with international standards.

Mission

To provide consulting services to its clients with an interdisciplinary approach and corporate responsibilities for the sustainable growth of a national economy.

Vision

To be established as a business company providing consulting services with capacity, competency and quality to propel the services sector towards the new era of knowledge driven global economy.

Company Philosophy

Transparency, Interdisciplinary Approach, National Capacity Building Networking and Alliances, Corporate Responsibilities, Professional Accountability, Sustainability of Results.

BRIEF PROFILE OF MANAGING DIRECTOR

Mr. Keshav Kunwar holds a Master's Degree in Civil and Structural Engineering, 1978, from the then USSR. (Hns), has more than 42 years of experience in verious engineering projects. Mr. Kunwar, Managing Director of the Company since 1986 exhibits a high professional skill which is demonstrated by his experience as a Project Director, Team Leader and Subject Matter Specialist in more than 150 engineering projects. His foresight & entrepreneurial drive took SILT well beyond the confines of Nepal. Mr. Kunwar was the member of the Task Force on "Consulting Architectural and Engineering Industry in Nepal" constituted by the then His Majesty's Government of Nepal from Dec.11, 1988 to May 18, 1990, which eventually led to the establishment of the Society of Consulting Architectural and Engineering Firms (SCAEF), Nepal, in 1990. Since then, Mr. Kunwar has worked for one term (2 years) as Treasurer and three terms as Vice President of the SCAEF. He served as the President of SCAEF from 2004 to 2007 (4 years terms)

BRIEF PROFILE OF DIRECTOR

Prabhu Raj Pandey is a Director at SILT Consultants (P) Ltd. He joined SILT in the year 2013 A.D. He has a Master's Degree in Civil Engineering specialized in Highway from Tashkent Automobile and Road Construction Institute from the then USSR. Mr. Pandey is a lifetime member of Nepal Uzbekistan Samaj. He has more than 30 years of experience in the field of Civil Engineering. He has worked as Team Leader, Project Manager, Highway Engineer, Contract Management Expert in various projects.

MAJOR ACHIEVEMENT OF SILT

- First Nepalese consultant to win project outside Nepal as a lead international firm. SILT has already provided its services in Bhutan & Afghanistan & now rendering its services as International Firm in Rwanda, Feasibility Study & detailed engineering design for a centralized sewage system in Kicikuro & Gasbo districts.

- 1st consultant of Nepal to design & supervise Prestressed concrete bridge up to 70 m span under The World Bank funded Road Flood Rehabilitation Project in Kathmandu Valley.

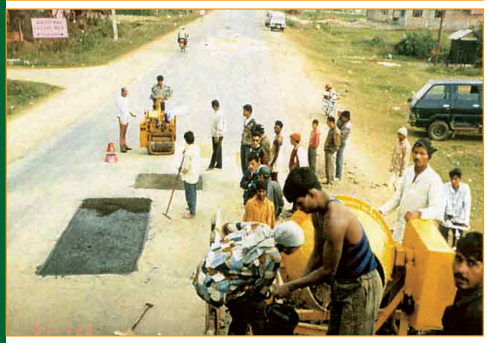
- 1st consultant of Nepal to win Asian Development Bank, Technical Assistance(TA) and Loan Project inside Nepal as an international Lead Firm.

- 1st consultant of Nepal to prepare DOR Standards, Manual and Drawings for Road and Bridges which included Revision of Nepal Road Standard, 2027 and Updating Bridge Inventory and Bridge Condition Survey.

-1st Consultant of Nepal in JV with others to design and supervise projects of Nepal Electricity Authority in Kulekhani Ill, 14 MW and Chameliya Hydro-electric Project (30 MW) in Darchula District.

- SILT is an Associate Member of the International Federation of Consulting Engineers(FIDIC) and Technical Consultants Development Programme in Asia Pacific(TCDPAP) and the Managing Director of SILT attended TCDPAP conference for the first time representing in Beijing, China.

TRANSPORTATION



Conduct Regional Multi-modal Transportation Study; Planning and Programming including Traffic Studies for Strategic Roads as well as other roads and trails Conduct Sector-Wide Road Study, Prepare Priority Investment Plan, and Prepare Policies, Guidelines, Manuals on behalf of Government in Transportation Sector, Carry out Pre-feasibility Study, Detailed Inventory Preparation and Detailed Feasibility Studies of Highways, other Roads and Bridges, Detailed Survey including Land Use Study, Topographic Survey, Traffic Survey, Hydrological Survey, Geological, and Geotechnical Investigations, Quarry Borrow Site Survey for Construction Material and Testing, Social and Environmental Survey, Land and Property Acquisition and Compensation Resettlement Plan Preparation etc. Interpretation of Digital Maps and Aerial Photo, Preparation of Maps and Selection of Alignment Pavement Condition Evaluation, Identification of Pavement Maintenance Requirements, Planning of Road Pavement Maintenance & Rehabilitation including Prioritization for Investment Detailed Engineering Design of Roads, Bridges, Appurtenant Structures for New Construction, Rehabilitation, Reconstruction, and Upgrading of Highways and Feeder Roads (Strategic Road Network); District Roads and Rural Roads, Detailed Design of Pavement Surfacing including Gravel Surface, Otta Seal, SBSD, DBSD, Asphalt Concrete and others • Prepare Construction Drawings, Rate Analysis, Quantity and Cost Estimates • Financial Analysis, Costing and Tariffs Preparation of Pre-qualification Document, Tender Document, Specifications, Selection of Contractors Quality Control, Construction Supervision, and Contract Management as per 'Engineer' according to Conditions of Contract, Design and Construction Supervision of Low-cost, Labor-based & Environment Friendly Road with Participatory Approach by Involving Potential Beneficiaries in all the Stages of the Projects and Strengthen them to make them Capable of Operation & Maintenance of the Road in a Sustainable Basis, Project Benefit Monitoring and Evaluation concerning the Environment Conservation and Social Safeguard in the Project after Implementation.

SUCCESSFULLY UNDERTAKEN MANY TRANSPORTATION PROJECTS IN ALL THE DIVERSE TOPOGRAPHIC REGIONS OF NEPAL AND IN BHUTAN

WATER SUPPLY AND SANITATION

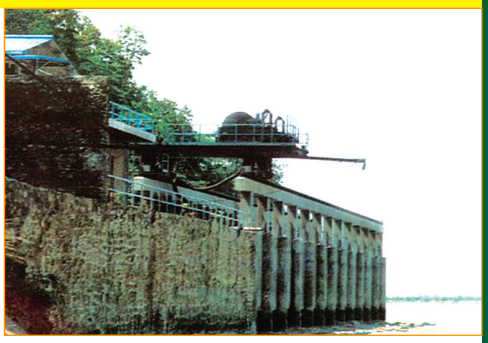
Water Supply: System Planning and Design Water Supply Network: Planning, Design, Rehabilitation and Upgrading Water Resources Development: Identification, Assessment and Engineering for Subsurface and Surface Water Resources, Rural and Community Based Water Supply and Sanitation: Needs Identification, Planning, Design, Gender Issues, Ethnicity and Community Development, Formation of Water User Groups; Technical, Financial and Management Training to Community on Rural Water Supply Schemes, Environmental and Socio-Cultural aspects of Water Supply Systems Dam and Reservoir for Water Supply System Rehabilitation and Reconstruction Water Supply and Sanitation Requirement Forecasting, Financial Planning, Rates and Tariffs Monitoring and evaluation of Water Supply and Sanitation Projects, Preparation of Management Information Systems (MIS)

HYDROPOWER AND ENERGY

Micro, Small and Medium Hydropower: Resource Identification, Feasibility Studies, Detail Survey, System Design, Rehabilitation and Upgrading Environmental and Socio-economic issues in Hydropower Development, Power Transmission System: Survey and Design Rural Electrification Alternate Energy - Solar Photovoltaic Technology, Wind Energy, Bio Gas, Briquettes Storage of Petroleum Products: Survey, Design, and Construction Supervision Topographical survey and Mapping, Hydrological and Sedimentation Studies, Geological/Geotechnical Investigation, Construction materials and Seismicity Studies Selection of Project Configuration Optimization Studies-Feasibility level design of projects, Detailed Project Report Preparation, Detailed Design Energy Computation Cost Estimation, Construction Planning and Scheduling Project Benefit, Monitoring and Evaluation Study Power Evacuation Studies and Transmission Line Surveys, Contract Management, Construction Supervision and Quality Control of Construction Works, Preparation of Operation and Maintenance Plans and Manuals and Environmental Assessment of Hydropower Projects.

IRRIGATION AND AGRICULTURE

Watershed Water Basin Study and Planning Gravity Surface Irrigation System, Irrigation/Drainage Network, Irrigation Water Management and Command Area Development Planning, Design and Operation of Environmentally Sustainable Irrigation Schemes under Participatory Approach involving Beneficiaries at Every Stage of Planning and Implementation of Project Supervision and Quality Control of Construction Works, Preparation of Parcellary Map, Preparation of Canal Operation and Maintenance Plans, Operation and Maintenance of Irrigation Systems, PBME survey, Agricultural Development Planning, Agriculture Statistics, General Agricultural Production and Marketing Agri-economics Farm to Market Roads Peoples Participation and Community Mobilization Integrated Rural Development: Planning Study and Design of Multi-Sectoral Projects including Institutional Development Land Resources Appraisal/Land Use Drainage Surveys and Evaluation, Land Drainage Characteristics and Drainage Requirements Identification Water Resources Appraisal and Use including Water Measurements, Water Quality/ Characteristics Determination, Suitability and Requirements of Water for Irrigation, Planning of Water Users Association (WUA), Organization Formation and Training, Flood/River Control Works, Erosion Control/Soil Conservation.



GEOLOGY AND GEOTECHNICAL INVESTIGATION

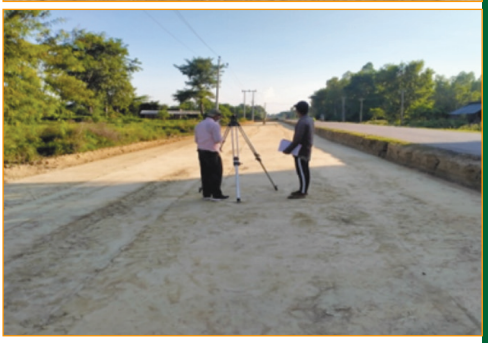
Topographic Survey, Parcellary Map Survey and Map Preparation, Cadastral Survey, Geotechnical Investigation, Core Drilling, Soil, Rock and Construction Materials Testing, Water Quality Survey and Testing Atmospheric Quality Survey and Testing Slope Stability Analysis, Chemical and Biological Testing, Seismic Hazard Assessment, Isoseismal Mapping, Seismic Hazard and Risk Zonation.

ARCHITECTURE AND URBAN DEVELOPMENT

Urban Land Use Planning Studies of Urban Traffic Flow and Transportation Planning, Design and Engineering Services for Roads, Bridges, Drainage, Water Supply, and Sanitation, etc. Urban Water Supply and Sanitation Management: Network Survey and Optimization Integrated Solid Waste Management, Preparation of Master Plan of Large Building Complex, Interior Design, and Landscaping Restoration/Refurbishment of Historical and Cultural Monuments and Objects of National Heritage.

FEATURED PROJECTS

Road Improvement and Development Project



The Government of Nepal (the GoN) received a credit (Exim Bank's Line of Credit (LOC) of US$ 1000.00 million to the GoN from Export- Import Bank of India towards the cost of purchase of eligible works, goods and services for Road Projects, Hydro-electric Projects and Irrigation Projects, and intends to apply part of the proceeds to eligible payments for road improvement project to be implemented by the Department of Roads (DoR). But consultancy services required for the same have to be procured through the budgetary provision by the GoN.
Towards achieving the Government's policy to enhance and strengthen Strategic Road Network, DoR intends to upgrade the roads mentioned hereunder to all season Double Lanes/ Four Lanes Black Topped standard. Those roads are:

1. Gandak Canal Road (61.92 Km)
2. Chandrauta-Krishna Nagar Road (20 Km)& Krishnanagar urban roads (8 km)
3. MRM-Gulariya-Rajanawa Road (29.99 km & Nepalgunj urban roads 21.04 Km)

For procurement of the consultancy services for the above works, an agreement was signed under Contract No: RIP –III-5/3371334/CS-005/71/72 between GoN and SILT Consultants (P.) Ltd – Material Test Pvt. Ltd JV on 2 December, 2015. After completion of the Design phase, the supervision phase has been started since February 2019.

The services provided by the Consultant in the Project are:

- To provide complete construction supervision/ contract administration of the above road, Upgrading/Improve ment works including post construction supervision during the defects liability period.
- To supervise the construction done by the contractor con tractually so that required qualities and quantities shall be delivered within the stipulated time frame effectively and efficiently.

FEATURED PROJECT

ROAD IMPROVEMENT AND DEVELOPMENT PROJECT: RIDP/III-05

FUNDING AGENCY: The Export-Import Bank of India
DURATION: DECEMBER 2015 – JANUARY 2022
VALUE OF SERVICES: NPR 217,771,000.00/USD 2,047,104.00
LOCATION: Birgunj, Krishnanagar, Nepalgunj

Construction Supervision of Aircraft Parking Area at Tribhuvan International Airport (TIA)

Tribhuvan International Airport (TIA) is an international airport situated in Kathmandu, Nepal. It is operating with a tabletop runway, one domestic and an international terminal. As a sole international airport, it connects Nepal to over 40 destinations in 17 countries. Being only international airport, aircraft parking area has been congested. To avoid this situation, Civil Aviation Office, Civil Aviation Authority of Nepal awarded Construction Supervision of Aircraft Parking Area at Tribhuvan International Airport (TIA) which comprised of supervision of construction of two components namely i) Two bay in south side of Bay no 1 of international Apron at TIA (near Terminal area) and ii) Remote Aircraft Parking at TIA.

Scopes of consulting services under this assignment or services provided are:

- Review of design
- Discharge Engineer's Project Manager's duties
- Supervision of construction works
- Prepare suitable Standard Formats and establish effective and efficient documentation, monitoring of schedules and quality assurance of the construction works.
- Carry out survey works to provide adequate control points and reference points for setting out of the works.
- Checking and approving the setting out
- Approving and issuing working drawing to the contractors
- Approving the contractors work program, method statements for quality assurance and material sources.
- Checking the adequacy of Contractor facilities at site and capacity of their staff
- Checking and monitoring contractors' labor camps facilities
- Ensuring that the approved Environmental Management Action Plan (EMAP) is implemented.
- Assist TIACAO in the relocation of utilities to be carried out during con struction.
- Monitoring and Evaluating Project progress
- Certification and acceptance of each part of work as completed by the Contractors
- Provide recommendation regarding modifications/additions/deletion in design and specification.
- Measurement of quantities of approved and accepted work and materials.
- Checking and certifying contractor's payment certificates
- Periodic checking of contract quantities and a constant check on the cost estimate
- Maintaining appropriate records, correspondence, and diaries
- Assessment, examination of the contractor's claims, and interpretation of related contract.
- Negotiate with contractors to finalize rates of new work items not included in the original BoQ

FEATURED PROJECT

Construction Supervision of Aircraft Parking Area at Tribhuvan International Airport (TIA)

FUNDING AGENCY: The Government of Nepal
DURATION: November 2016 – June 2020
VALUE OF SERVICES: NPR . 24,156,465.81/USD 226,949.00
LOCATION: Tribhuvan International Airport, Nepal

FEASIBILITY STUDY OF MECHI MAHAKALI AND KATHMANDU POKHARA ELECTRIC RAILWAY

Detailed Engineering Survey and Design of Electrified Railway Line of Mechi-Mahakali Electrified Railway

i) Inaruwa-Kakarbhitta Section (103 km) and Itahari- Biratnagar Link (22km)
ii) Lamahi-Kohalpur Section (116 km) and Kohalpur-Nepalgunj Link- Package II
iii) Sukhkhad-Gaddachauki Section (94 km)- Package IV

The Mechi–Mahakali railway line which is approximately 946 kilometres starts from Mahakali in Kanchanpur district in western Nepal and terminates at Mechi in Jhapa district in eastern Nepal. The Mechi-Mahakali railway alignment passes through (west to east) Mahendranagar, Mahadevpuri, Mahuwa, Tamsaria, Simara, Chandranigahapur, Bardibas, Lahan, Itahari and Kakarbhitta area covering major industrial and population centres of the country. At present the 1028 kilometres East–West Highway (Mahendra Rajmarg), the most strategic highway linking the country from east to west, links the two border towns with India. The East–West Highway is also the main trade corridor in Nepal. The highway mostly runs in the Terai plains with few stretches passing through the Siwalik hill range. The Government of Nepal aims to link the country from railway line. Thus, a Consultancy Service is sought to provide Detailed Engineering Survey and Design of Electrified Railway Line along the Mechi-Mahakali Electrified Railway.

The Consultancy Services provided included but not limited to the following:

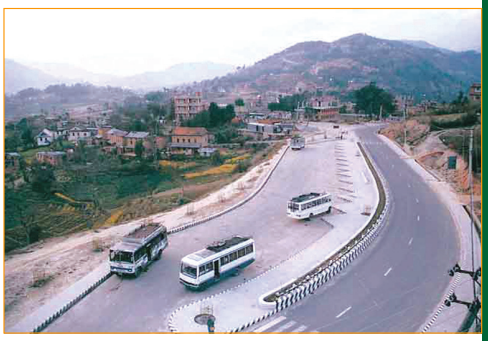
- Quick Review of the feasibility study to confirm the suitability of the findings and recommendations,
- Conduct Detailed Engineering Survey along the selected align ment after finalization and approval including topographical sur veys, soil investigation, geological & geotechnical survey, hydro logical & morphological survey etc.
- Conduct detailed Environmental Impact Assessment (EIA)
- Conduct Social Impact Assessment (SIA) and prepare Resettle ment Action Plan (RAP)
- Conduct Detailed Engineering Design and drawing of all railway infrastructures and systems,
- Prepare Project Cost Estimates for the complete railway infra structure and systems required for the operation of the railway,
- Recommend Contract Packaging and prepare Tender Documents,
- Preparation Project Implementation and Operation Plan,
- Value Engineering of the project.

FEATURED PROJECT

DETAILED ENGINEERING SURVEY AND DESIGN OF ELECTRIFIED RAILWAY LINE FOR SUKHKHAD-GADDACHAUKI SECTION (94 KM) - OF MECHI-MAHAKALI ELECTRIFIED RAILWAY (PACKAGE IV)

FUNDING AGENCY: THE GOVERNMENT OF NEPAL
DURATION: July 2017 to October 2018
VALUE OF SERVICES: NPR. 255,133,468.00
LOCATION: GADDACHOWKI, MAHENDRANAGAR, ATTARIYA, SUKHKHAD OF E-W HIGHWAY

ARANIKO HIGHWAY – PHASE I, II AND III



Arniko Highway, linking Kathmandu and Kodari, is part of Nepal's strategic road network that connects Tibet, the Autonomous Region of China with Nepal. The importance of this road could be judged by the fact that this is the only all-weather road across the mighty Himalayan Range that is open for civil transportation purposes at present. Moreover, this is the only road that links Nepal to a third country besides India. Thus, in the national context, Arniko Highway has a high political and economic significance, built in 1967 under bilateral Chinese aid, the 180 km long highway starts at Kathmandu and terminates at Kodari, the border township, where an RCC bridge, popularly known as friendship bridge (Miteri-Sanghu), has been built over the Bhote Koshi river, the international boundary between the two countries.

Apart from regular wear and tear, the road has undergone a series of major damages triggered by floods on different occasions. The emergency measures taken earlier (after 1987 high flood) were not sufficient to conserve the road on a long-term basis. Considering the patchy nature of maintenance works in the past, it was decided that a stronger emphasis be put on a system of maintenance that reduces the scope of rehabilitation during project implementation. This concept was labeled as the Arniko Highway Maintenance Project

The project has been co-financed by His Majesty's Government of Nepal (HMGN) and the Government of Switzerland to fulfill the objectives of secured & improved access for facilitating the social and economic development of the region, and to assist in enhancing capabilities of the private local construction industry to strengthen them against global competition the Arniko Highway (Maintenance) Project has been implemented by (DOR under financial support of Swiss Development Co-operation (SDC)

The Project included the design and construction of highway pavement rehabilitation and landslide stabilization works. Road stretch from Bhaktapur to Dhulikhel included Asphalt concreting whereas from Dhulikhel to Dolalghat included surface dressing (DBSD) works. The project intended to enhance the capabilities of the local Nepalese Consultants and the Contractors to work.

FEATURED PROJECT

DESIGN AND CONSTRUCTION SUPERVISION OF ARNIKO HIGHWAY PROJECT – PHASE I, II AND III

FUNDING AGENCY: THE SWISS DEVELOPMENT COOPERATION/ THE GOVERNMENT OF NEPAL
DURATION: FEBRUARY 1993- JUNE 2002
VALUE OF SERVICES: NPR 83.32 MILLION/USD 1068205.00
LOCATION: BHAKTAPUR, KAVRE AND SINDHUPALCHOWK DISTRICT

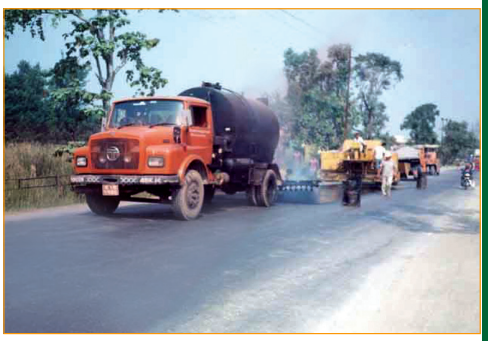
SECOND AND THIRD YEAR PERIODIC MAINTENANCE PROGRAMME

The Government of Nepal has prepared the Road Maintenance and Development Project (RMDP) for its implementation with assistance from the World Bank.

The objective of the Second and Third Year Maintenance Programme is to carry out periodic maintenance works in 237 km, out of which 68 km of the road falls under the category of Feeder Roads, and the remaining lengths are of the (road sections of National Highways (part of Highways H01 and H10

The roads under Second Year Periodic Maintenance Program including, (Butwal – Bamaha Khola (11 km); Bamaha Khola – Jitpur (22 km) Jitpur – Gorusinge (15 km); Gorusinge – Chanauta (19 km); Belhiya – Milan Chowk (24 km); Maha Khola – Butwal Milan Chowk (15 km)

Similarly, the roads under Third Year Periodic Maintenance Programme included Anbukhaireni – Dumre (11 km); Yamdi Bridge – Sandh Bridge (29 km);
Sandh Bridge – Baglung (29 km); Chanauta – Bhalubang (34 km); Bhalubang – Lamahi (27 km)



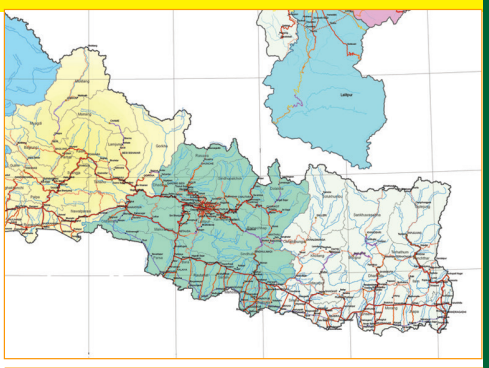
In addition to the above roads, the scope of work was added with Feasibility Study of Silgadi – Sanphe Bagar Road (67 km) in Far-Western Development Region.

FEATURED PROJECT

SECOND AND THIRD YEAR PERIODIC MAINTENACE PROGRAM

FUNDING AGENCY: THE WORLD BANK
DURATION: JUNE 2001-MAY 2003
VALUE OF SERVICES: NPR 20 MILLION/USD 268817.00
LOCATION: WESTERN, MID-WESTERN AND FAR-WESTERN DEVELOPMENT REGIONS

TRANSPORT PROJECT PREPARATORY FACILITY



The Department of Road has prepared the Priority Investment Plan (2007 to 2016 address the issues of poor connectivity due to inadequate feeder roads including the issues on the rapid increase in traffic volume, which has put lots of pressure and created congestion at the East-West highway It is also in this context that the proposed Project has been formulated to undertake preparatory activities for processing of grants and/or loan for future funding by bilateral or multilateral development institutions including ADB. Similarly, it aims to provide capacity development support to prepare and implement PPP projects. The services to be provided by the Consultant in the Project comprises two main parts as follows:-

Part A:

Review the government's Priority Investment Plan (2007 - 2016) for the development and management of strategic road network, discuss and identify with the Department of Roads (DoR) about 900 km of high priority road sections, and carry out combined feasibility study & detail engineering design, including minor structures and bridges, which consist of i) appropriate condition survey ii) engineering design, specification, bill of quantities, cost estimates, and bidding assessment as per ADB's Safeguard Policy Statement 2009 (SPS), ADB's Environmental Assessment Guidelines (2003) as well as government regulations and policies, v) bidding documents, vi) procurement assistance, and vii) other assistance as may be required by ADB Missions for loan processing.

Part B:

Provide capacity strengthening in PPP preparatory work and implementation with the objective of establishing an enabling environment. This includes: PPP sector diagnostic & sector map reviewing local, regulatory, & policy frameworks, assess institutional structures, conducting stakeholder consultation, and clarifying sector strategy & road map; identify and prepare at least one small scale pilot PPP project - assessing & selecting PPP options defining procurement & bid evaluation process, & preparing a bid package.

FEATURED PROJECT

TRANSPORT PROJEC PREPARATORY FACILITY PROJECT: PPC1-ROAD

FUNDING AGENCY: THE ASIAN DEVELOPMENT BANK
DURATION: NOVEMBER 2011-MARCH 2014
VALUE OF SERVICES: NPR 123,463,363.78/USD 1748772.85
LOCATION: EASTERN, CENTRAL AND WESTERN DEVELOPMENT REGION

SECTOR WIDE ROAD IMPROVEMENT PROJECT AND PRIORITY INVESTMENT PLAN

The Study for Sector Wide Road Program & Priority Investment Plan was based on the Priority Investment Plan prepared in 1997 under World Bank funded Road Maintenance and Rehabilitation Project (RMRP), 20 Year Road Master Plan (2002), the 10th Five Year Plan (2003-2007), and National Transport Policy (2058) of GON. The Study has been a component of Road Maintenance and Development Project (RMDP) financed by the World Bank (IDA Cr. 3293-NEP). The Study included two parts: Part I and Part II

The principal objective of the Study under Part I was the identification of a transport network and preparation of Sector-Wide Investment Plan and Policy document for the roads comprising both strategic and rural roads that will bring all inhabited areas of Nepal and provide all-weather motorable access within four hours walk in the hills and two hours walk in the Terai Under Part II activities, a Detailed Technical and Economic Feasibility Level Design and Studies of 802.5 km of the Strategic Roads of the country were carried out with new construction of 88.5 km, and upgrading and improvement/rehabilitation of 714 km.

The roads for Upgrading included Sanfebagar-Mangalsen (38.12 km Sanfebagar-Martadi; Mangalsen-Belkhet (49.4 km); Martadi-Kolti (51.4); Satbanjh-Baitadi-Jhulghat (36.41); Satbanjh-Gokuleshwar (54 km); Gokuleshwar-Darchula (38.41); Khodpe-Jhota (78 km); Chhinchu-Pokhare (25.75); Lower Dhungeshwar-Siyakot-Dailekh (28 km); Tulsipur-Salyan (61.4 km); Salyan-Musikot (85.85); Tulsipur-Purandhara-Botechaur (78 km); Sunkoshi-Okhaldhunga roads (40 km). The roads for New Construction included Nagma-Gamgadhi Road in Mugu District (88.5 km). The roads upgrading was in bituminous (sealed gravel) pavement (Otta Seal).

FEATURED PROJECT

STUDY FOR SECTOR WIDE ROAD IMPROVEMENT PROGRAMME AND PRIORITY INVESTMENT PLAN

FUNDING AGENCY: THE WORLD BANK
DURATION: SEPTEMBER 2005-FEBRUARY 2007
VALUE OF SERVICES: EURO 772,067.00 AND NPR 14,424,422. PLUS 45,926,429
LOCATION: ALL OVER NEPAL

Kathmandu-Terai/Madhesh Fast Track (Expressway) Road Project

Kathmandu-Terai/Madhesh Expressway is a mega highway project prioritized as an "infrastructure of national pride" having strategic significance. The Nepali Army (NA) considers this mega project as an exceptionally challenging opportunity since the expressway has to be designed and built on par with international standards. Therefore, NA has targeted to build the Expressway as it an "exemplary state of the art of civil construction" in South Asia. More importantly, this Expressway is believed to not only becomes a boon but alsothe genesis for a huge socio-economic development in Nepal.

The services provided by the Consultant in the Project are: Geotechnical Investigations of Tunnel-2 (Dhedre) and Tunnel -3 (Lendanda) of Kathmandu-Terai/Madhesh Fast Track (Expressway) Road Project

The details of drilling and testing works provided by the Consultant are listed below:

SN.	Drill Hole	Location	Easting	Northing	Elv. (m)	Depth (m)	Position
1.	DH 1	Inlet, Dhedre Simpani	323279	3037680	1063	145.00	Inclined 50/225°
2.	DH 2	Simpani Village	323029	3037414	1235	280.00	Vertical
3.	DH2a	Simpani Village	322996	3037354	1217	260.00	Vertical
4.	DH 3	Dhedre Danda	322739	3037072	1236	281.00	Vertical
5.	DH 4	Chalise Khola	322484	3036799	1152	227.00	Vertical
6.	DH 5	Outlet, Chalise Khola	322380	3036667	1052	130.00	Vertical
7.	LH 1	Ghattepakha	321933	3035370	994.5	105.00	Vertical
8.	LH 2	Ghattepakha	321830	3034974	1120	235.00	Vertical
9.	LH 3	Badahare	321756	3034484	1140	257.00	Vertical
10.	LH 4	Badahare Kholsi	321735	3034137	973.6	133.00	Inclined 65/165°
Total Drilling Depth (m)						2053.00	

- Rotary Core Drilling of cumulative Depth 2053 meters, with quality core recovery.
- Field In-situ tests (SPT/DCPT, Permeability, and Lugeon Tests)
- Installation of Vibrating Wire Digital Data Acquisition Piezometer in 8 boreholes.
- Laboratory tests of soil, rock, and water samples to obtain geomechanical properties(Specific Gravity, Natural Moisture Content, Water Absorption, and Porosity, Point Load Test, Brazilian Test, Uniaxial Compression Test, Tri-axial Compressive Strength Test, Modulus of Elasticity and Poisson's Ratio, Slake Durability, Petrographical Analysis Joint Shear Test, etc.)

FEATURED PROJECT

Kathmandu-Terai/Madhesh Fast Track (Expressway) Road Project:
Geotechnical Investigations of Tunnel-2 (Dhedre)
FUNDING AGENCY: THE GOVERNMENT OF NEPAL
DURATION: MAY 2020 – JANUARY 2021
VALUE OF SERVICES: NPR . 52,029,900.00/USD 445843.18
Excluding VAT (Tunnel 2)
LOCATION: DHEDRE, MAKWANPUR

Bagmati Area Physical Infrastructure Development Project Survey, Design and Construction Supervision of Integrated Urban Infrastructure-Landscape Design and Implementation, River Training Works, Sewer Lines and Access Roads

Bagmati River and its tributaries are drawing the attention of various organizations towards its problems. Though several organizations are working for the conservation of Bagmati and its tributaries, there was not any tangible benefit. This is due to a lack of proper coordination and proper directive to guide and define the works of each organization in conserving Bagmati Civilization. Because of this, the Government of Nepal has formed a High Powered Committee for Integrated Development of Bagmati Civilization (HPCIDBC) to keep Bagmati River and its tributaries clean and free from contamination and pollution by preventing direct discharge of solid and liquid wastes to the river.

It thus envisages conserving the Bagmati Civilization. The expected outcome of the project will be to reincarnate the Bagmati River and its tributaries with increased access to better urban services for the people of the capital city. Construction of a sewage treatment plant at Guheswori and a sewer tunnel to bypass treated/untreated sewage directly to the river and access roads, sewage pipelines, and river training work on both sides of the Bagmati River are the major activities of the Project.

The main component of the Project works is the Design and construction of river training works, sewerage lines and road works on both sides of Bagmati River from Tilganga to Chovar (12 Km), Bishnumati Corridor from Bagmati- Bishnumati Confluence to Mahadev Khola(6 km) and Bagmati-Dhobikhola Confluence to Gopi Krishna Cinema Hall (12 KM).

The services provided by the Consultant in the Project comprises of the main three components:

1. Detailed Design and Construction Supervision of Sewerage, River Training and Road Works
2. Design of New Contract packages
3. Design Review of New Contract packages

FEATURED PROJECT

BAGMATI AREA PHYSICAL INFRASTRUCTURE DEVELOPMENT PROJECT SURVEY, DESIGN AND CONSTRUCTION SUPERVISION OF INTEGRATED URBAN INFRASTRUCTURE-LANDSCAPE DESIGN AND IMPLEMENTATION, RIVER TRAINING WORKS, SEWER LINES AND ACCESS ROADS

FUNDING AGENCY: THE GOVERNMENT OF NEPAL
DURATION: JANUARY 2016 TO SEPTEMBER 2018
VALUE OF SERVICES: NPR. 44,533,000.00/USD 422033.00
LOCATION: BAGMATI CORRIDOR FROM TILGANGA TO CHOVAR, KATHMANDU

Feasibility and Environment Impact Assessment Study of Arun-4 (490 MW) and Lower Arun Hydropower Project (474MW)

The proposed Arun-4 Hydropower project with an installed capacity of 490 MW is Run of the River type project located in the Sankhuwasabha District. The project components of this project lies in Bhot Khola rural municipality 3, 4 and Makalu Rural Municipality 4, 5.
The main objective of the consulting service is to conduct the Feasibility and Environmental Study of the Arun-4 Hydropower Project to know the attractiveness of the Project for investment/development. The Consultant evaluate the viability of the project in technical, financial, socio-economic, institutional, and environmental along with other relevant aspects of project development based on detailed field surveys, investigations analysis, design, cost estimate. The Feasibility Study includes relevant baseline investigations, assessments, and plans, alternative layout and optimization, drawings and cost estimates regarding technical, economic/financial, environmental, and socio-economic aspects, preparation of drawings, carry out economic and financial analysis in stipulated time. The consultant also conducted an Environmental Impact Assessment (EIA) Study based on the plan and design of the project, project organization, and methodology.

The Service provided by the consultants are:
Topographical Survey and Mapping; Hydro-meteorological, Sediment and GLOF Study; Geological and geotechnical investigation and tests; Geophysical Surveys; Seismicity / Seismic Study; Drilling/drifting, field study; Construction material survey, Cost Estimate; Economic and Financial Analysis; and Environment Impact Assessment.

The proposed Lower Arun Hydropower project with an installed capacity of 474 MW is Peaking-Run off the River type project located in the Sankhuwasabha District. The project components of this project lie in Sankhuwasabha District and Bhojpur District. The project components of this project lie in Silichong rural municipality 4,5; Chichila Rural municipality 2, 3; and Khandbari Municipality 2,10 and 11.
The main objective of the consulting service is to conduct the Feasibility and Environmental Study of the Lower Arun Hydropower Project in order to know the attractiveness of the Project for investment/development. The Consultant evaluated the viability of the project in technical, financial, socio-economic, institutional, and environmental along with other relevant aspects of project development based on detailed field surveys, investigations analysis, design, cost estimate. The Feasibility Study included relevant baseline investigations, assessments and plans, alternative layout and optimization, drawings and cost estimates regarding technical, economic/financial, environmental, and socio-economic aspects, preparation of drawings, carry out economic and financial analysis in stipulated time. The consultant also conducted an Environmental Impact Assessment (EIA) Study based on the plan and design of the project, project organization and methodology.

The Service provided by the consultants are:
Topographical Survey and Mapping; Hydro-meteorological, Sediment and GLOF Study; Geological and geotechnical investigation and tests; Geophysical Surveys; Seismicity / Seismic Study; Drilling/ drifting, field study; Construction material survey, Cost Estimate; Economic and Financial Analysis; and Environment Impact Assessment.

FEATURED PROJECT

Feasibility and Environment Impact Assessment Study of Arun-4 Hydropower Project (490 MW)

FUNDING AGENCY: The Government of Nepal
DURATION: May 2016 – June 2021
VALUE OF SERVICES: NPR 155,793,777.98/USD 1471696.00
LOCATION: Sankhuwasabha District

CHAMELIYA HYDROELECTRIC PROJECT-30MW

The Chameliya Hydroelectric Project is proposed on Chameliya River in Darchula District of the Far-western Development Region of Nepal.

The project is designed as a run-of-river scheme with a six-hour peaking capacity It has an installed capacity of 30 MW generated through a gross head of 103. 7 m and a design discharge of 36 cubic metre per second. It is estimated to generate average annual energy of 184. 2 GWh.

The principal objective of the proposed consulting services is to provide technical support to POD in implementation of the CHEP The specific objectives of the services include.

Review designs and drawings prepared by POD Check and review the shop drawings submitted by the Contractor Prepare additional working drawings and details as required Assist POD in the management of construction contracts.

Carry out construction supervision and quality control for civil, electromechanical, hydro-mechanical, and transmission line contracts, Check and certify contractors' statements, Check and finalize "as-built drawings" prepared by the Contractor, Provide technical support throughout the implementation of the construction of the contract.

FEATURED PROJECT

CONSTRUCTION MANAGEMENT AND CONSTRUCTION SUPERVISION OF CHAMELIYA HYDRO-ELECTRIC PROJECT- 30MW

FUNDING AGENCY: THE GOVERNMENT OF NEPAL
DURATION: JULY 2007- DECEMBER 2019
VALUE OF SERVICES: NPR 12402831/USD 305190.00
LOCATION: DHARCHULA DISTRICT

KULEKHANI III HYDROELECTRIC PROJECT

Kulekhani III Hydroelectric project with an installed capacity of 14 MW (annual energy generation of 40.85 GWh) is a cascade scheme of Kulekhani storage project (Kulekhani I and Kulekhani II Hydroelectric project, generating 60 and 32 MW peaking power, respectively).

It is designed to utilize the regulated flow of the Kulekhani II Hydroelectric project and the natural flow of Khani Khola for the generation of electricity. The project lies in Bhaise VDC of Makwanpur district in Narayani Zone. The project particularly the headwork's site is located about 40 km southwest from Kathmandu and about 10 km north of Hetauda city in Makwanpur.

The headwork's site is situated very close to Bhaise- Kulekhani Road while the powerhouse site is situated on the right bank of Rapti River in Sanutar village; Tribhuvan Rajpath (Hetauda – Kathmandu Highway) passes through the left bank of Rapti River and a bridge over Rapti River is recently constructed which will connect powerhouse site to the highway. The distance between the headwork's site and the powerhouse site is just over 4 km.

Nepal Electricity Authority (NEA), an undertaking of the Government of Nepal (GON) is the Executing Agency of the project. KL III HEP was first identified in 1988. Since then at different times alternative studies are conducted for 14, 26, 38, 52 and 75 MW by JICA at the first phase. Similarly, NEA also conducted an alternative study in 1997 NEA carried out feasibilities for 14, 16, 18, and 42 MW options.

In 1996 study for 14 MW options. After all these alternative studies, 14 MW option is found technically and economically feasible and is considered for implementation. The total construction cost of the project is NRs 1.34 billion

FEATURED PROJECT

KULEKHANI III HYDROELECTRIC PROJECT

FUNDING AGENCY: THE GOVERNMENT OF NEPAL
DURATION: APRIL 2008- OCTOBER 2012
VALUE OF SERVICES: NPR 63.5 MILLION/USD 994518.00
LOCATION: MAKWANPUR DISTRICT

Earthquake Emergency Assistance Project (EEAP)

On April 25, 2015 worst natural disaster, an earthquake struck Nepal. It had a major impact on lives, property, and infrastructures. After the disaster, with the resurgence from disaster, the vulnerable constructions are in the need of reconstruction. The JV of Consultants is supporting the Central Level Project Implementation Unit (CLPIU) – Education and the District Level Project Implementation Units (DLPIUs) in overall project management, financial management, design and supervision, monitoring and environmental and social safeguards oversight of school reconstruction project. To support CLPIU Education and DLPU's with comprehensive technical assistance to reconstruct/retrofit/upgrade the earthquake damaged schools of Nepal by providing – technical and management assistance through technical surveys and assessment, development of architectural and structural designs, procedures and processes to rebuild affected schools, training, and capacity building, procurement, project management, construction supervision, and financial management of the project.

Major activities being carried out by the consultants are:
Site investigations, master planning, design and cost estimate for all categories of school buildings and associated facilities, Training and capacity building of government counterparts ,Adjusting type designs of schools to suit each specific site conditions, Preparation and submission of due diligence report (DDR) for environmental and social safeguards, Detailed designs (all components of building-civil, electrical, water supply and sanitation, solar, interior decoration etc.) for new schools including preparation bills of quantities, design and construction drawings, and related procurement documents, Prepare procurement plans for goods and works, preparation of bid documents and other documentation, including management and monitoring execution of the project, Construction supervision, contract administration, contract management, construction quality control, and quality assurance of schools, Management of complex multi-location, multilaterally financed projects, Monitoring and evaluation including support in PPMS and monitoring & evaluation of the project, Planning and implementation of social development & GESI action plan, Reporting and monitoring of project progress, Assist CLPIU in the financial management of the project, Developing the comprehensive monitoring and reporting plan for the project output, Develop monitoring and reporting system for school reconstruction and rehabilitation, Assist CLPIU in data compilation, monitoring, and preparation of progress report, Train the CLPIU and district level staffs for effective project supervision, contract management, and monitoring and evaluation of the project.

FEATURED PROJECT

Earthqake Emergency Assistance Project, Design and Construction Supervision of School Reconstruction

FUNDING AGENCY: The Asian Development Bank, USAID grant, Japan Fund for Poverty Reduction
DURATION: November 2016 – June 2019
VALUE OF SERVICES: NPR . 277,755,162.41/USD 2,525,046.931
LOCATION: Earthquake most affected 14 districts (Ramechhap, Dolakha, Lalitpur, Gorkha, Dhading, Makawanpur, Rasuwa, Nuwakot, Kathmandu, Okhaldhunga, Sindhuli, Kavrepalanchowk, Sindhupalanchowk and Bhaktapur) of Nepal

Earthquake Emergency Assistance Project (EEAP)

On April 25, 2015 worst natural disaster, an earthquake strike Nepal. It had a major impact on lives, property and infrastructures. After the disaster, with the resurgence from disaster the vulnerable constructions were in the need of reconstruction. The JV of Consultants supported the GoN to rebuilt/ reconstruct/retrofit about 300 district-level government buildings.

Major activities carried out by the consultants are:

* Assist Client in the implementation of EEAP in project manage ment, procurement proceedings, and reporting etc.
* Design review and redesigning of the buildings as required by the actual site conditions
* Monitoring of detailed site exploration and Geotechnical Investigation of the proposed site to be carried by contractor
* Overall contract administration, construction supervision & quality control of the proposed works including new construction, maintnance and retrofitting of existing buildings
* Review of Contractor(s)' Implementation Schedule
* Check Contractor's IPCs and forward to the Client
* Approval and enforcement of Quality Assurance Plan (QAP)
* Periodic Reporting to Client and conducting meeting between Client and Contractors
* Assist the Client for financial management including cost control, reimbursement and disbursement
* Preparing and implementation of social safeguard, environmental safeguard and gender safeguard measures to monitor the implementation status of such measures
* Compliance monitoring of Environmental Management Action Plan (EMAP)
* Assist the Client in arranging workshops and trainings as required
* Prepare and submit various reports, i.e. Monthly report, quarterly report, design review report, etc.

The project mainly included: Construction supervision of 70 nos (2 nos. of 2 storey, 33 nos. of 3 storey, 33 nos. of 4 storey and 2 nos. of 5 storey) new office buildings as well as Maintenance & Retrofitting of 40 nos. of office buildings in 10 earthquake effected districts.

Out of 70 nos. of buildings, construction cost of following buildings is more than NRs. 80 million:

1. New Integrated Office Building, Sindhuli with project cost of NRs. 143.608 million
2. New District Court Office Building, Nuwakot with project cost of NRs. 120.894 million
3. New District Court Office, Dhading with project cost of NRs. 83.84 million
4. New District Court Office Building, Gorkha with project cost of NRs. 165.414 million

FEATURED PROJECT

Earthqake Emergency Assistance Project (EEAP), Construction Supervision Consultant for Reconstruction of Government Office Buildings in 11 Districts

FUNDING AGENCY: Asian Development Bank
DURATION: June 2017 – December 2019
VALUE OF SERVICES: NPR. 110,193,645.00 (In USD 972,068.15)
LOCATION: 11 Earthquake affected districts (Ramechhap, Dolakha, Gorkha, Dhading, Rasuwa, Nuwakot, Okhaldhunga, Sindhuli, Kavrepalanchowk, Sindhupalchowk and Lamjung) of Nepal

PROJECT MANAGEMENT CONSULTANT FOR MELAMCHI WATER SUPPLY PROJECT

The Melamchi Water Supply Project is designed to divert about 170 MLD of freshwater to Kathmandu Valley Towns (Kathmandu Metropolitan City, Lalitpur Sub-Metropolis, Bhaktapur, Madhyapur, and Kirtipur Municipalities) from the Melamchi River in Sindhupalchowk district. Augmenting this supply by adding about further 170 MLD each from Yangri and Larke rivers, which lie in the upstream proximity of Melamchi, is also being investigated for future.

The main objectives of the Project are to alleviate the chronic water shortage in Kathmandu Valley on a sustainable, long-term basis, and to improve the health and well-being of its inhabitants particularly the Poor. The Project also seeks to develop a comprehensive institutional framework for water resource management within the valley The Project involves the transfer of water from the Melamchi Valley into Kathmandu Valley through a diversion scheme with a 26 kilometer tunnel.

The Project comprises four parts; (i) infrastructure development (ii) social and environmental support (iii) institutional reforms, and (iv) project implementation support.

Infrastructure development includes the Melamchi diversion scheme, water treatment plant, bulk distribution system, distribution networks, wastewater system including sewerage and drainage system, and a shallow groundwater well-field in Manohara. Social and environmental support includes a social uplift program to mitigate project impacts and channel benefits to beneficiaries. A resettlement action plan and an environmental management plan are being implemented to reduce and monitor any adverse social and environmental impacts. It also includes hygiene education and public awareness programs. Institutional reforms include establishing a regulatory body, introducing a private sector lease contract, and setting up a Kathmandu Valley Water Authority for comprehensive water resource management and establishing groundwater licensing in Kathmandu Valley.

The total cost of the Project is estimated at $464 million (revised to $317 million), including contingencies and taxes. The cost will be jointly funded by ADB as Lead donor agency, NORAD, Sida, NDF, OPEC fund, Government of Japan (JBIC and JICA) besides Government of Nepal.

FEATURED PROJECT

PROJECT MANAGEMENT CONSULTANT FOR MELAMCHI WATER SUPPLY PROJECT

FUNDING AGENCY: THE ASIAN DEVELOPMENT BANK
DURATION: DECEMBER 2001-OCTOBER 2009
VALUE OF SERVICES: USD 3,526,669 PLUS NPR 239,462,735
LOCATION: SINDHUPALCHOK DISTRICT AND KATHMANDU VALLEY

IRRIGATION AND WATER RESOURCE MANAGEMENT PROJECT- COMPONENT A

The IWRMP is being implemented by the DoI with support from the World Bank which will involve a combination of investments and institutional/policy reforms. The project will improve integrated management of water resources, development, and rehabilitation of irrigation infrastructures of Farmer Managed Irrigation Schemes.

The Component A of the Project intends to improve irrigation water service delivery in 168 sub-projects with a combined command area about 26,390 ha in the mountain, hill & Terai areas & expand groundwater irrigation through 60 deep tubewel SPs covering about 2, 100 ha in Terai area. The total project cost of Component A is US$ 39. 85 million.

Assist in the surface irrigation sub-project/groundwater cluster study, design, approval, and implementation processes as per the procedure/guidelines steps Assist and advise Regional Irrigation Directorates, Irrigation Divisions/Sub-divisions and Groundwater Field Offices on all engineering aspects of project implementation to improve the quality of identification, feasibility studies, design works, construction supervision and monitoring & evaluation Provide inputs as required and agreed with DoI in the institutional reform process, policy and legislative actions etc. Periodically review, improve & update the surface &groundwater procedural guidelines Adopt environmental protection measures required in various FMIS by preparing social and environmental management plans (SEMP) of sub-projects Devise mechanism to effectively involve the potential water users belonging to diverse ethnic groups, different land holdings, tenancy, and gender status in the FMISs Integrate identified social/gender needs and concerns in the establishment and strengthening of WUAs and irrigated agricultural management system Prepare appropriate technical manuals to support skill development training for RID/IDD engineers and technicians, covering use of environmental friendly technology, social concerns, construction in fragile hill zones, groundwater pump/engine O&M, construction quality control, and water management Assist the Do in conducting training and workshops to improve Dot's capabilities in participating in and supporting participatory irrigation development Review and refine indicators, in coordination with Regional Monitoring and Evaluation Teams, for monitoring and evaluating the impact/performance of sub-projects/groundwater clusters of IWRMP.

FEATURED PROJECT

IRRIGATION AND WATER RESOURCE MANAGEMENT PROJECT-COMPONENT A

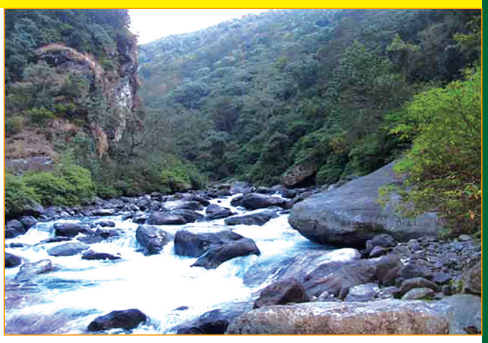
FUNDING AGENCY: THE WORLD BANK
DURATION: NOVEMBER 2009-JUNE 2014
VALUE OF SERVICES: USD 168,585.83 PLUS NPR 188,254,365.90
LOCATION: 40 DISTRICTS IN WESTERN, MID-WESTERN AND FAR-WESTERN DEVELOPMENT REGIONS

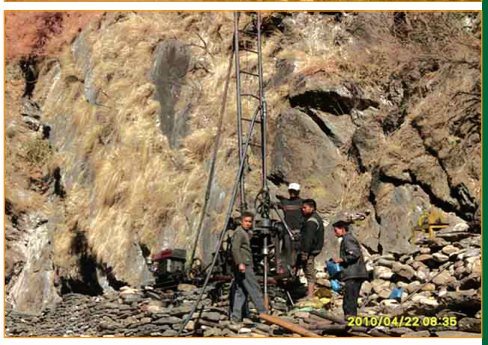
WATER RESOURCE PROJECT PREPARATORY FACILITY-2

ADB and the Government of Nepal are supporting. The Water Resource Project Preparatory Facility (WRPPF) to identify and prepare high-priority water resource management projects for potential funding by the Government, with assistance from the ADB and/or other development partners. WRPPF will assist the Government to ensure that critically important irrigation drainage and flood protection projects are implemented efficiently by advancing the preparatory activities into the loan processing period and ensuring continuity of funding for project preparation. The Department of Irrigation (DOI), in cooperation with the Department of Agriculture (DOA), has been implementing the Community-Managed Irrigation Agriculture Sector Project (CM/ASP) since 2006.

DOI experience in implementing CM/ASP as well as a similar project in the western development regions has been positive, and the Government has requested ADB assistance to finance an extension of CM/ASP country-wide. ADB has set aside $30 million in loan financing for the new project, called CM/ASP-Additional Financing (CM/ASP-AF). The project upgraded irrigation infrastructure to (i) enhance supplementary irrigation during the monsoon season and (ii) where possible, provide irrigation for a second and/or third crop in the summer and/or winter season.

The objective of the consulting services is to prepare the 5 AMIS subprojects to the extent that they can be immediately tendered after CM/ASP-AF has been declared effective. The AMIS that will be rehabilitated under Batch-1 CM/ASP-AF is 1. Chapakottar Irrigation System, Syanja district (Net Command Area 885Ha, 25.7 Km Main Canal length with 10.6 Km. Branch Canal, 2. Ramgatar Irrigation System, Lamjung district (Net Command Area 220Ha, 8.3 Km Main Canal length with 2.0 Km Branch Canal, 3. Atruliputtar Irrigation System, Tahahun district (Net Command Area 435Ha, 18.22 Km Main Canal length with 9.61 Km Branch Canal, 4.Chaurajharitar Irrigation System, Rukum district (Net Command Area 600Ha, 19.5 Km Main Canal length with 4. 08 Km Branch Canal), and 5. Phalebas Irrigation System, Parbat District (Net Command Area 338Ha, 6. 89 Km Main Canal length (with 4.95 Km Branch Canal.

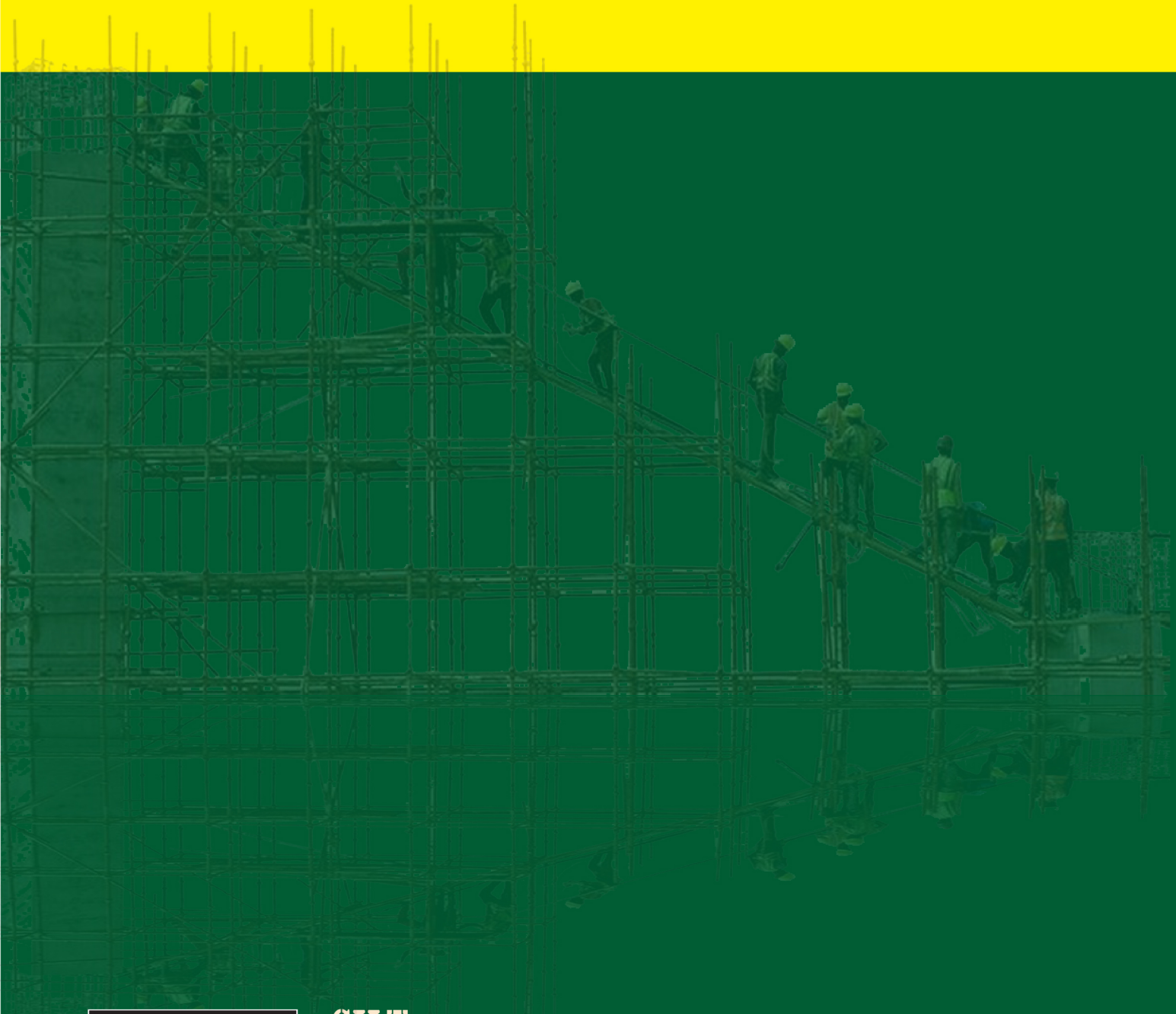




FEATURED PROJECT

WATER RESOURCE PROJECT PREPARATORY FACILITY: PACKAGE II

FUNDING AGENCY: THE ASIAN DEVELOPMENT BANK
DURATION: JANUARY 2014-MARCH 2014
VALUE OF SERVICES: USD 289,977.78 PLUS NPR 28,325,029.08
LOCATION: SYANGJA, TANAHUN, PARBAT, RUKUM, LAMJUNG DISTRICT



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