CRYPTOZOIC CRAFTERS



ENGINEERING OUTSOURCING · KATHMANDU, NEPAL

Your Global Engineering Delivery Partner.

Engineering drafting, design-production and technical documentation support for consultancies and construction companies worldwide.

102 projects in our team's register	**50** for clients outside Nepal	**41** engineers & specialists	**5** countries served

Cryptozoic Crafters Pvt. Ltd. · Company Reg. No. 353499/81/82

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1 · COMPANY INTRODUCTION

Who we are

Cryptozoic Crafters Pvt. Ltd. is an engineering outsourcing and design consultancy based in Kathmandu, Nepal. We work behind engineering consultancies, contractors and architects, taking on design production, detailing, modelling, quantities and technical documentation so that our clients can deliver more projects with the team they already have.

2 · BUSINESS MODEL

How we work

Clients keep the client relationship, the design decisions and the sign-off. We provide the engineering production behind them, working in their templates, standards and software versions, and issuing through their engineer.

Formal engineering approval, certification and statutory submissions remain with the client's appropriately authorised professional.

3 · RELATIONSHIP WITH BHIMESHWOR GROUP

Our parent group

Cryptozoic Crafters is the engineering arm of Bhimeshwor Group (formerly Bhimeshwor Drilling), a construction and infrastructure group in Nepal. The Group's site work gives our engineers practical knowledge of how drawings are built and priced. The Group's construction projects are its own and are not included in our project register.

4 · MAIN ENGINEERING SERVICES

Six core services

Civil Engineering Drafting & Design Support
Road, drainage, stormwater, grading and utility drawings in Civil 3D.

Structural Engineering Drafting & Detailing
RC and steel drawings, rebar detailing, bar bending schedules, Tekla shop drawings.

Architectural Drafting & Documentation
Plans, elevations, sections and construction sets; Revit modelling.

CAD & BIM Modelling
AutoCAD drafting, CAD conversion, Revit models, coordination support.

Quantity Surveying & Cost Estimation
Take-offs, BOQs, rebar quantities, rate analysis, tender support.

Construction Planning & Technical Documentation
Programmes, method statements, progress reports, tender documents.

Specialisations: highways and roads, bridges, hydropower, water supply and drainage, irrigation and river training, slope protection; hotels, hospitals, commercial, residential, industrial and public buildings; MEP support; project management support.

5 · TECHNICAL CAPABILITIES

What we deliver

- Drawing sets in DWG and PDF, in the client's title block
- Revit (RVT/IFC) and Tekla models
- Structural analysis models and calculations for review
- Bar bending schedules and rebar quantities
- BOQs, take-offs, estimates and rate analysis
- Programmes, method statements and reports

6 · SOFTWARE AND TOOLS

Software in use

- **Drafting & civil:** AutoCAD, Autodesk Civil 3D
- **BIM & detailing:** Revit, Revit Structure, Tekla Structures
- **Analysis:** ETABS, SAFE, SAP2000, STAAD Pro
- **Cost & planning:** Excel; scheduling software to client requirement

7 · TEAM AND MANAGEMENT

Our people



Er. Samir Dahal

Managing Director



Er. Sujan Khadka

Project Manager



Er. Sampurna Thapa

Lead Engineer

3 Management (GM, operations, finance)	**2** Lead Engineers	**4** Structural Engineers	**10** Civil & Geotechnical Engineers
7 Electrical & Mechanical Engineers	**2** Planning Engineers	**10** Quantity Surveyors & Estimators	**3** Quality Engineers

Total core team: 41 engineers, architects, planners, quantity surveyors and managers.

8 · OUTSOURCING ENGAGEMENT MODELS

Three ways to work with us

	A · Project-based	B · Dedicated resources	C · Long-term partnership
Structure	Defined package, agreed scope, price and deadline	Named engineers working as part of your team	Continuing service agreement across projects
Commercial	Fixed price per package	Monthly rate per resource	Agreed rate schedule and terms
Suited to	First engagements and overflow work	Recurring workloads	Growth over several years

9 · QUALITY ASSURANCE

Four checks before every issue

Prepare
Produced to the brief, standards and specified codes.

Check
A second engineer checks dimensions, quantities and references.

Review
The lead engineer reviews against client requirements.

Issue
Revision control, transmittal and open-query list.

NDA before files are shared · Client drafting standards on every file · Controlled access to project files · Revision logs and drawing registers. We are not ISO certified; our workflows follow ISO 9001 principles.

10 · SELECTED PROJECTS

International projects

No.	Project	Country	Our scope
054	12-Storey Commercial Tower – Kingston	Canada	Structural Detailing + Rebar BOQ
058	Cold Storage Building – Perth	Australia	Structural Design + BOQ
059	Slope Retaining Wall – Arizona	USA	Design + Quantity
062	Pedestrian Bridge – Pittsburgh	USA	Drafting + Profile Section
063	Urban Parking Structure – Dubai	UAE	3D Model + Working Drawings
072	Elevated Highway Ramp	Australia	Drafting + Cost Estimation
077	Small Hydro Intake	Canada	Intake + Desander BOQ
094	Apartment Structural BOQ	Australia	Full BOQ with Rebar
095	4-Lane Urban Road Widening	Canada	Cross-Section + BOQ
101	RCC Box Culvert – Outer Ring Road	Australia	Design + Quantity

Projects in Nepal

No.	Project	Country	Our scope
003	Intake Structure – Khani Khola Hydropower	Nepal	Civil Design + Estimation
011	5-Storey Hostel Building, Birgunj	Nepal	Full Design + Estimate
012	Forebay – Mid-Hill Hydropower	Nepal	Civil Design + BOQ
024	Mini Hydropower Penstock Alignment – 400 m	Nepal	Design Layout + Cost Estimation
031	RCC Bridge Abutment Detailing	Nepal	Drafting + Structural Detailing
035	Earthquake-Resistant School Building	Nepal	Design + BOQ
051	Kathmandu–Terai Fast Track Road Project	Nepal	Design + Estimation
052	Water Treatment Plant – Dadhikot	Nepal	Design + Quantity Survey

Selected from our register of 102 projects delivered by our team. Client names are withheld. The full register is published at cryptozoiccrafters.com.np/projects.html.

11 · CONTACT

Contact details

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