

SUMO CONSTRUCTION & ENGINEERING PVT. LTD

(A unit of MV Dugar Group)



COMPANY INTRODUCTION AND OVERVIEW.

SUMO Construction & Engineering (P) Ltd established in the year 2009, is a complete Infrastructure Solutions Provider, executing structures such as Tunnels, major and minor bridges, Hydropower projects, Roads, Housing Colonies and Industrial Buildings and Constructions. With our experience of huge executions even in the remotest of locations of Nepal featuring extremely challenging climatic conditions, we have mastered the art of dealing with complex geological conditions of the Himalayan terrain.

SUMO is capable to provide turnkey E.P.C. solutions across multiple business sectors like Energy, Highways and Urban Infrastructure. The organization is delivering several critical projects across the country and is powered by a highly experienced workforce. It has the ability to bid, execute and implement medium and large size projects across various infrastructure segments.

SUMO is planning forays into new sectors while strengthening existing sector activities and investing heavily in infrastructure to have a niche in the industry.

It was founded by Mr. Vivek Dugar, with a sole motto to provide International Quality Work in the field of Construction and Infrastructure in Nepal. As a Part of the M.V.Dugar Group, with roots dating back to 1884 across 4 generations and being one of the leading business houses in Nepal having business interests in Banking, Agri-Solution, Automobiles, Consultancies, Cold

Storages, Life & General Insurance and Hydro-power, Sumo construction has a very strong background.

Presently, M.V. Dugar Group is constructing four Hydropower projects with a total capacity of 320 MW in Nepal at a total cost of NPR 53,000 million (NPR 53 billion), equivalent to USD 450 million. Their Projects, Likhu – 'A' HEP shall be operational in the FY 2020-21, whereas, the Likhu – 1 HEP and the Likhu – 2 HEP are expected to be operational in the FY 2021-22.

OUR VISION

- We are committed to strategic business development in Infrastructure, as the key to nation building in the 21st century.
- Build a world class portfolio of renewable energy assets and be the leader in Nepal.

OUR MISSION

- To achieve Excellence in every sector that we operate in.
- We aim to achieve perfection in everything we undertake with a commitment to excel.
- Build a culture of excellence by efficient and safe execution of all our projects.
- To augment our core competencies and adopt the most comprehensive modern technology to overtake the obstacles in our path of achievement.

OUR EXPERTISE

➤ Industrial Construction work

SUMO Construction & Engineering (P) Limited has emerged as a leading construction solution provider in the changing Construction Industry of Nepal. It is developing four Hydropower Projects along with Dams, Ancillaries like Sheds, Warehouses, Hydropower colonies which are in various stages of construction supporting our nation's power generation capabilities.



Headworks of Likhu 'A' Hydropower Project



Vertical Shaft after concrete lining



Likhu A Headworks after Completion



Shotcreting in Progress for Slope Stabilization



Power House Building



Weir under Construction for at Likhu 2 HEP



Power House Building

➤ **Roads, Highways& Bridges**

SUMO has constructed more than 110 Kms of rural roads and six bridges. It is also constructing a 21 km access road in the toughest terrain just next to China border which also includes a 990-meter-long traffic tunnel.



35 meter span plate Girder Bridge at Kinja



100 feet span Bailey bridge erected on a rural road project at Solukhumbu District



Stone soling on a rural road project at Shivalaya

➤ **Tunnels**

The company has under taken a massive tunneling job combining to a total length of approx. 19.8 kms out of which 15.85 kms is complete as on March 2021. We have achieved an average progress of 4.4 meters per day continuously while excavating 2.4 kms of (HRT) Head Race Tunnel of Likhu - 'A' Hydropower which has been the highest till date in Nepal.



Portal under construction



Drilling in progress for Tunnel construction



Tunnel after Invert Lining



Tunnel after Concrete Lining



Shot concrete in progress for Tunnel support Tunnel Face drilling in progress



➤ **Housing Colonies**

SUMO has constructed various Warehouses, Colonies and Staff quarters for construction sites. We have a wide experience in construction of various types of Housing Colonies for Different levels of employees along with mess facilities etc.



Industrial Shed constructed for a construction site



Residential accommodation



Residential accommodation

➤ **CONSTRUCTION OF SWITCH YARD**

Sumo Construction & Engineering (P) Ltd has been awarded the Civil Works of three hydro power projects which also includes the construction of switch yard civil foundations for all the three projects. There is a common pooling hub for all three hydro projects at Likhu - 'A' HEP. The pooling hub will be connected to New khimti substation which is connected to the national grid. Each switchyard is designed for 132 KV with impulse voltage level of 650 KV and frequency voltage of 275 KV. Currently, the switch yard construction of Likhu A is in progress. Likhu 2 switchyard is in excavation phase.

Likhu – 'A' HEP Switch Yard



Erection in progress at Likhu A switchyard



Likhu A Switch Yard

7 Bay Switch yard with a length of 89 meters and width of 38.5 meters.

➤ CONSTRUCTION OF TRANSMISSION LINE

SUMO is constructing a 132 kV transmission line with three subpackages - Likhu 1 to Likhu 2, Likhu 2 to Likhu A and Likhu A to New Khimti. The Likhu A to New Khimti is a common line for all three projects.

Likhu 1 to Likhu 2

The total length of Likhu 1 to Likhu 2 is about 7 km. It is a 132 kV single circuit transmission line and 18 towers are under construction.

Likhu 2 to Likhu A

The transmission line from Likhu 2 to Likhu A is common line of Likhu 1 and Likhu 2 projects. The total length of Likhu 2 to Likhu A is about 5 km. It is a 132 kV double circuit transmission line and 15 towers are under construction.

Likhu A to New Khimti

The transmission line from Likhu A to New Khimti is common line of all three projects. The total length of Likhu A to New Khimti line is about 29 km. It is a 132 kV double circuit transmission line and 78 nos. of tower under construction.



End Point Transmission Tower Erection Completed



Angle Point Tower Erection in Progress



Angle Point Tower Erection Completed

OUR GROWTH PATH

Sumo construction has grown very rapidly in the last few years achieving an astounding growth rate year on year basis.

The Annual Turnover for the Nepalese Financial Year 2076-77, corresponding to 16th July 2019 to 15th July 2020, was NPR 361 Crores. The Expected turnover of FY 2076-77, corresponding to 16th July 2020 to 15th July 2021, is more than NPR 500 Crores.

EQUIPMENT FOR ANY CHALLENGE

At SUMO, we are proud to own an **IN-HOUSE STATE-OF-THE-ART FLEET** of construction equipment. Most of them owned by us are:

- Heavy earth moving machines such as hydraulic excavators, loaders, dozers, earth compacters, etc.
- Concreting plants such as batching plants, concrete mixers, transit mixers etc.
- Tunnel equipment such as hydraulic drill jumbos, robotic concrete machines, ventilation fans, concrete gantries etc.
- Quarry equipment like stone crushing plants, wagon drills, jack hammers, air compressors, etc.
- Transportation equipment such as cars and jeeps, tippers, tractors, water tankers, trailers, etc.
- Fabrication and erection plant such as Welding Transformers, Gas Cutters, Machine Shop Tools and Equipment, Cranes, Diesel Generators and other miscellaneous auxiliary Equipment.

A comprehensive list of equipment owned by us is enclosed for ready reference.

LIST OF EQUIPMENT	Nos.
ROC and Drilling Jumbos	
AirROC Atlas Copco T25	2
Atlas Copco L2D Boomer	1
Drilling Jumbo Atlas 281	1
Drilling Jumbo Atlas 282	2
Drilling Jumbo MineMaster2.3	2
Crusher Plants	
Metso Crusher Plant 250TPH	1
Mini Crusher Plant Red Rhino	2
SKS Crusher Plant 50 TPH	1

Robotic Arm Shotcrete Machine	
Robotic Arm Jacon Tunneljet	4
Raise Climber	
Raise Climber Diesel operated Double Drive	2
Batching Plant	
Batching Plant Everest 18	1
Batching Plant Putzmeister 0.5MT	3
Batching Plant Schwing Stetter H1J	1
Batching Plant Everest 30	1
Dozers	
Track Mounted Dozer Shantui	1
Wheel Mounter Dozer Shantui	1
Excavators	
Excavator Caterpillar 320D	1
Excavator DOOSAN DX225LCA	2
Excavator Leeboy 525	2
Excavator TATA Hitachi ZX220LCM	8
Excavator Volvo EC210D	5
Self-Loading Mixers, Transit Mixers& Wheeled Dumpers	
SLM Ajax Fiori ARGO 4000	2
SLM Schwing Stetter 4000	13
Transit Mixer TATA - 7 Cum Putzmeister	5
Transit Mixer TATA - 7 Cum Schwing	4
Bus	3
Diesel Tankers	3
Tippers	56
Mini Tippers	7
Flat Bed Trailers	2
Tractors	29
Service Van	1
Light Motor Vehicles	27
Motorbikes	27
Mucking Loaders	
Mucking Loader Siton	8
Wheel Loaders	
Wheel Loader Hyundai HL635L	1
Wheel Loader Liugong CLG836	3
Wheel Loader Mahindra SLX	1
Wheel Loader Tata Hitachi TL340	6
Back Hoe Loaders	
Back Hoe Loader (Mahindra)	14
Electric Air Compressor	
Elec. Air Compressor Atlas Copco	2
Electric Air Compressor CP500E	3
Diesel Air Compressor	
Diesel Air Compressor AtlasXA 187	7

Diesel Air Compressor CPS 400D	9
Road Rollers	
Single Drum Vibratory Roller	3
Concrete Placer and Pumps	
Concrete Placer APJ	2
Conc Pump Putzmeister 1404E	6
Conc Pump Schwing SP1200 D	2
Conc Pump Schwing SP1400 D	1
Cranes	
ACE Hydra Crane 14 Ton	1
Pick and Carry Crane ACE 20T	1
Hydra Crane Lift Master	1
Grout Pump	
Grout Pump Epiroc Flex M	1
Grout Pump Hany	1
Power Generation Units	
DG Set Jakson 1010 KVA	1
DG Set Jakson 125 KVA	6
DG Set Jakson 160 KVA	7
DG Set Jakson 200 KVA	1
DG Set Jakson 250 kVA	7
DG Set Jakson 380 KVA	6
DG Set Jakson 82.5 KVA	12
DG Set Kirloskar 40 KVA	3
DG Set Kirloskar 250 KVA	4
DG Set Kirloskar 62.5KVA	3
DG Set Kirloskar 82.5KVA	4
Hydraulic Breakers	
Hydraulic Breaker AtlasCopco	1
Hydraulic Breaker Demolex	1
Hydraulic Breaker Doosan	2
Hydraulic Breaker Dozco	1
Hydraulic Breaker Everdigm	2
Hydraulic Breaker BretecL20C	1
Hydraulic BreakerSandvik2166	1
Hydraulic Breaker Tata Hitachi	1
Dewatering Pumps	
Dewatering Pump –68 HP	4
Light Tower	
Light Source Doosan LSCK4	4

Total purchase value of the above equipment is more than NPR 1800 million.

MAJOR ONGOING PROJECTS

- **Civil Works of 77 MW Likhu 1 Hydroelectric Project awarded by M/s Pan Himalaya Energy Private Ltd. amounting to NPR 358.95 crores.**

The work consists construction of Weir with ancillary concrete structures, a Head Race Tunnel with 7.46 Km length, a Surge Shaft with 75 meter height, Inclined Shafts with a total length of 927 meter and an open Powerhouse. The Contract has achieved 65% completion.

- **Civil Works of 55 MW Likhu 2 Hydroelectric Project awarded by M/s Global Hydropower Associate (P) Ltd. amounting to NPR 277.24 crores.**

The work consists construction of Weir with ancillary concrete structures, a Head Race Tunnel with 6.46 Km length, a Surge Shaft with 201 meter height, Inclined Shafts with a total length of 515 meter and an open Powerhouse. The Contract has achieved 80% completion.

- **Civil Works of 29 MW Likhu 'A' Hydroelectric Project awarded by M/s Numbur Himalaya Hydropower (P) Ltd. amounting to NPR 199.17 crores.**

The work consists construction of Weir with ancillary concrete structures, a Head Race Tunnel with 2.52 Km length, a Surge Shaft with 21 meter height, Inclined Shafts with a total length of 434 meter and an open Powerhouse. The Contract has achieved 98% completion.

- **Civil Works of 160 MW Lapche Hydroelectric Project awarded by M/s NASA Hydropower Company (P) Ltd. amounting to NPR 949.62 crores.**

The work consists construction of 15 kms of road in hilly terrain, a Barrage, a Head Race Tunnel with 7.08 Km length, a Surge Shaft with 105 meter height, Inclined Shafts with a total length of 1772 meter and an open Powerhouse.

KEY PERSONNEL

Sumo Construction and Engineering Pvt. Ltd holds **700 plus employees** in the different departments. Details of some key personnel are shared below.

➤ **Key Management:**

- **Mr. Vivek Dugar** is the Promoter and Chairman of M/s SUMO Construction & Engineering (P) Ltd. He has more than 30 years of business experience, has been engaged in his family business of Automobiles and Agricultural solutions. He is also the Chairman of Gurans Life insurance and the Vice-Chairman of MV Dugar Group. As a result of his aggressive business approach, the company at present has a total Order book of more than 1800 crores NPR.
- **Mr. Samrath Mogha**, aged 27 years, is the Vice President of M/s SUMO Construction & Engineering (P) Ltd. He ensures complete compliance with project specifications. He is the initiator with high acumen of conceptualizing and implementing projects. He believes in close coordination with project teams allocated for planning, construction, sub-contracting and procurement. He is closely associated with pre and post construction stage of all major projects.

➤ **Functional Heads:**

- **Mr. Deepak Paudyal, Chief Executive Officer** is a Graduate Mechanical Engineer from Tribhuvan University, Nepal. He is responsible for overall Project Management, Cost Control and compliance management in SUMO Construction & Engineering (P) Limited – Hydropower Division.
- **Mr. Ashok Joshi, Advisor** is a Graduate Civil Engineer having more than 35 years of experience in hydropower with NHPC Ltd., India and various other private sector organizations in top management role.

- **Mr. Shishir Dhatwalia, Head – Planning & Controls** is a Graduate from Pune University, PMI certified Project Management Professional with 14+ years of rich experience with multi-cultural workforce in Strategic Planning, Project Management, Cost Control & Budgeting in the construction & Infra sector. He is heading Project Monitoring & Control department.
- **Mr. Gajendra Pratap Singh, Chief Geologist** is a Post Graduate in Geology and comes with 20+ years of experience with reputed MNCs of India. He is responsible for supervising field work for all geological and geotechnical works of the Hydropower Division.
- **Mr. Bunt Dhiman, Project Manager – Structures** is a graduate in Civil Engineering having more than 15 years of experience with various IPPs of India. He has exposure to projects ranging from 5 MW to 1000 MW. He has joined us as Project Manager (Structures) and looks after the various Open Structures under construction in the Likhu basin.
- **Mr. Suman Mishra, Dy. Project Manager –Structures** is a graduate in Civil Engineering from Acme Engineering College, Kathmandu having more than 14 years of experience and was associated with reputed contractors of Nepal. He has joined us as Dy. Project Manager (Structures) and has been instrumental in working on most advanced and modernized techniques and ensuring timely completion of the Projects.
- **Mr. Ajay Suri, Project Manager – Hydro Mechanical** is a Graduate in Mechanical Engineering from Nagpur University and has more than 19 years of experience in Hydro mechanical related works of Hydropower projects in India.
- **Mr. Sanjeev Kumar, Head – Quality Control & Assurance** is a Diploma in Civil Engineering, responsible for ensuring and implementing various processes of Quality Control and assurance throughout the organization. He was last associated with HCC Limited and holds experience of around 20+ years in the field of construction.
- **Mr. Govinda Simkhada, Manager - HR & Admin** is a Graduate in MBS. He is having around 13+ years of rich experience in Industries of various disciplines with a proven

track record in Strategic HR, Organization Development, HR Transformation & Employee relations with reputed large corporates of Nepal. He is heading the Human Resources and Administration functions of the Company.

- **Mr. Biga Ray – Electrical Engineer** is a Graduate in Electrical Engineering from Institute of Engineering (IOE) 2016. He has been actively involved and completed various Transmission Line Project in different parts of Nepal. He has expertise in Switchyard, Super Structure and Foundation construction and, Machine Installation.
- **Mr. Rajesh Bohara – Electrical Engineer** is a Graduate in Electrical Engineer. He has been working in hydropower sector in Nepal for more than 4 years. He was involved in the Upper Marsyangdi A (50 MW) project, a joint venture between Sinohydro-Sagaramtha power Company Pvt. Ltd as an Electrical Engineer.

Contact Us: -

SUMO CONSTRUCTION & ENGINEERING (P) LIMITED

4th Floor, Laxman Babu Bhawan

Naxal, Kathmandu,

Nepal

Email: info@mvdugarhydro.com

Tel: +977 -1-4414355, 4414104, 4414651

Fax: +977 -1-4414039

