



Business BROCHURE

Regd. No. 159022/073/074

पवित्र इन्जिनियरिङ्ग कन्सर्न प्रा. लि.
PABITRA ENGINEERING CONCERN PVT. LTD.

(An ISO 9001:2015 Certified Company)

About Us

We were established in the Year 2016 under the chairmanship of Mr. Rajendra Kibachhen. Our Company “Pabitra Engineering Concern Private Limited” functions as the principals authorized representative in the following areas:

- ✓ Transmission Line Projects up to 400 KV (NEA & Private Hydro)
- ✓ Substation Projects (220/132/66/33 kV)
- ✓ Hydro Power Projects.
- ✓ Underground Projects (UG Cable up to 33 kV)
- ✓ Other Government Projects.
- ✓ Others turnkey solution for construction including design, supply, construction, testing & commissioning works.



Transmission Line construction is a combination of electrical, mechanical and civil engineering. Good knowledge of the rules and procedures with real-life experience is essential for planning, design, construction and operation of a transmission Line.

We look forward to building strong, effective and successful business relationship with reputed multinational companies who are interested in conducting business in the power sector in Nepal.

FROM THE COMPANY DIRECTOR'S DESK



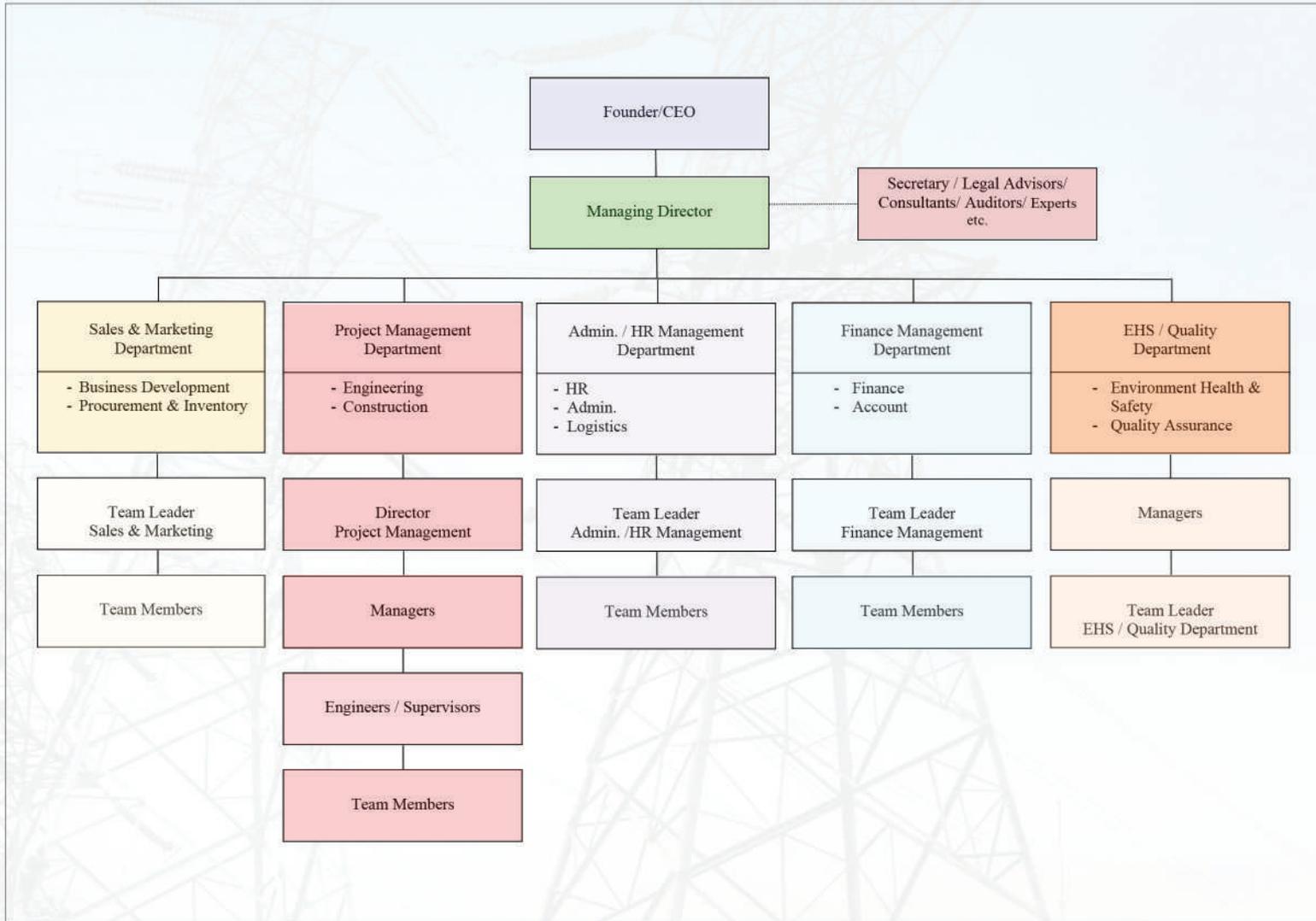
Mr Rajendra Kibachhen
Chairman

We are a fast upgrowing company in electrical substations & power transmission lines field. We would like thank to our valued clients and customers for their continued support and trust to working with us. We promise you that our work will meet your expectation on quality and timely finishing the projects.

CORPORATE MANAGEMENT PHYLOSOPHY

Our mission is not only to build the business but is to build the trust over the clients working better. We are committed to providing products and services conforming to the applicable standards by following an established quality management system. We are the leading engineering companies in the region. I, therefore, seek continued patronage of our valued customers, the cooperation of our employees, support of our vendors for our mutual growth and prosperity.

ORGANIZATIONAL CHART



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OUR SERVICES

Pabitra Engineering Concern Pvt. Ltd. provides services for high voltage Transmission Line, Medium-Low voltage distribution Line & substation construction.

Pabitra Engineering Concern Pvt. Ltd. Also provides the following engineering services.

1. Pre-Construction Survey for 33/11 kV Distribution Line
2. Engineering Design of Transmission Line & Substation
3. Soil Investigation Works for Transmission line
4. Transmission Line Route



CERTIFICATES HIGHLIGHTS



ISO 9001:2015
QUALITY MANAGEMENT SYSTEM

ISO 45001:2018
OCCUPATIONAL HEALTH &
SAFETY MANAGEMENT SYSTEM

ISO 14001:2015
ENVIRONMENTAL
MANAGEMENT SYSTEM



ISO certification has certified to our company as one of the standard construction company who followed the best management system, work execution & project completion process, best service and documentation procedure with all the requirements for standardization and quality assurance

QUALITY POLICY

We Are Committed To :

- Helping our customers and clients to satisfy through our service.
- Complete the work with well-trained working team.
- Enhance excellence in project management with advance technologies.
- Maintain the quality management system that complies standard and regulations.
- Follow the safety rules and regulations.
- Follow the Government policies of safety and environments.
- Simplifying our process in a spirit of continuous improvemen.

We will achieve this through excellence in execution by offering products and services that deliver values to our customers and clients. We conduct our business in a way that support our vendors and employees. We work together and we win together by creating competitive advantages as one PEC team.



PROJECT OVERVIEWS

TRANSMISSION LINE PROJECT

1. EPC Prime Contractor of 132 kV Transmission Line of United Mewa Khola Hydropower Pvt. Ltd. (50 MW)
2. EPC Prime Contractor of 132 kV Transmission Line Project of Thulo Khola Hydropower Pvt. Ltd (22.5 MW)
3. 220 kV Transmission Line Project of Nepal Electricity Authority (NEA) for KEC International Ltd.
4. 220 kV Transmission Line Project of Tanahu Hydropower Limited for KEC International Limited.
5. 220 kV Transmission Line Project of Marsyandi Corridor, Nepal Electricity Authority (NEA) for Pinggao Group Co. Ltd.
6. 132 kV Transmission Line Project of Dordi Khola-Himalayan Power Partner Pvt. Ltd. (27 MW).

SUBSTATION PROJECT

1. Udipur 220/132/66 kv GIS substation of NEA for Larsen & Toubro Limited (L&T).
2. Changunarayan 220/132/66 kv GIS Substation of NEA for Larsen & Toubro Limited (L&T).
3. 33/11 kV Substation-6/8 MVA, of NEA for Absolute Projects Limited, India.

DISTRIBUTION LINE PROJECT

1. 11 kV Distribution Line of Upper Trisuli 3A for Gezhouba Group Company, China.
2. 11 kV Distribution Line for Construction Power of Thulo Khola Hydropower Project at Myagdi, Nepal.



BUSINESS MODEL & DISTRIBUTION

This feasibility study on construction and engineering is to help to understand the scope of the business. Possibilities are endless in this business which makes this sector very attractive for business. It is obvious we can't live without food, shelter and dress but we can't also live without basic infrastructure for ourselves and our community like electricity, road facility, hospitals, bridges and buildings for school, college, shelter. Urbanization also leads better infrastructure like this. However, company cannot function all areas of possibilities, so currently focusing on Soil Investigation, detail survey, mapping and design of transmission lines and sub-stations, geotechnical studies etc. Transmission Line construction is a combination of electrical, mechanical and civil engineering. Good knowledge of the rules and procedures with real-life experience is essential for planning, design, construction and operation of a transmission Line.

Some of the marketing promotion activities which should duly be rendered are given below:

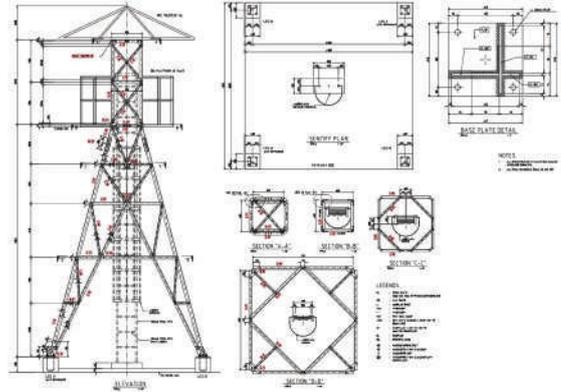
- Use of diversion of development sector.
- Established effective construction team.
- Increase company capacity to purchase goods on timely manner.
- Provide credit facility to increase sales.
- Target to get business wider area.

“Use of trained & educated human resource, quality maintain and prompt service is our major motto.”

AVAILABLE EQUIPMENT & SOFTWARE FOR SURVEY WORKS

1. Total Stations – Sokkia – 1 set, Topcon – 2 sets
2. Levelling Machines – 4 sets
3. Auto CAD & Civil Design
4. PLS CADD & PLS Pole

A AUTODESK®
AUTOCAD®



LIST OF VEHICLES & TOOLS AVAILABLE FOR TOWER FOUNDATION

- | | |
|----------------------------------|---------|
| 1. Excavator (JCB) – | 1 No. |
| 2. Load Tripper – | 2 Nos. |
| 3. Pickups (4WD) – | 6 Nos. |
| 4. Tractors – | 2 Nos. |
| 5. Diesel Concrete Mixture – | 4 sets |
| 6. Electrical Concrete Mixture – | 2 sets |
| 7. Concrete Poker Vibrator – | 6 sets |
| 8. Shoring & Shuttering Sets – | 7 sets |
| 9. Dewatering Pumps – | 4 sets |
| 10. Props & Turn buckles – | 40 sets |

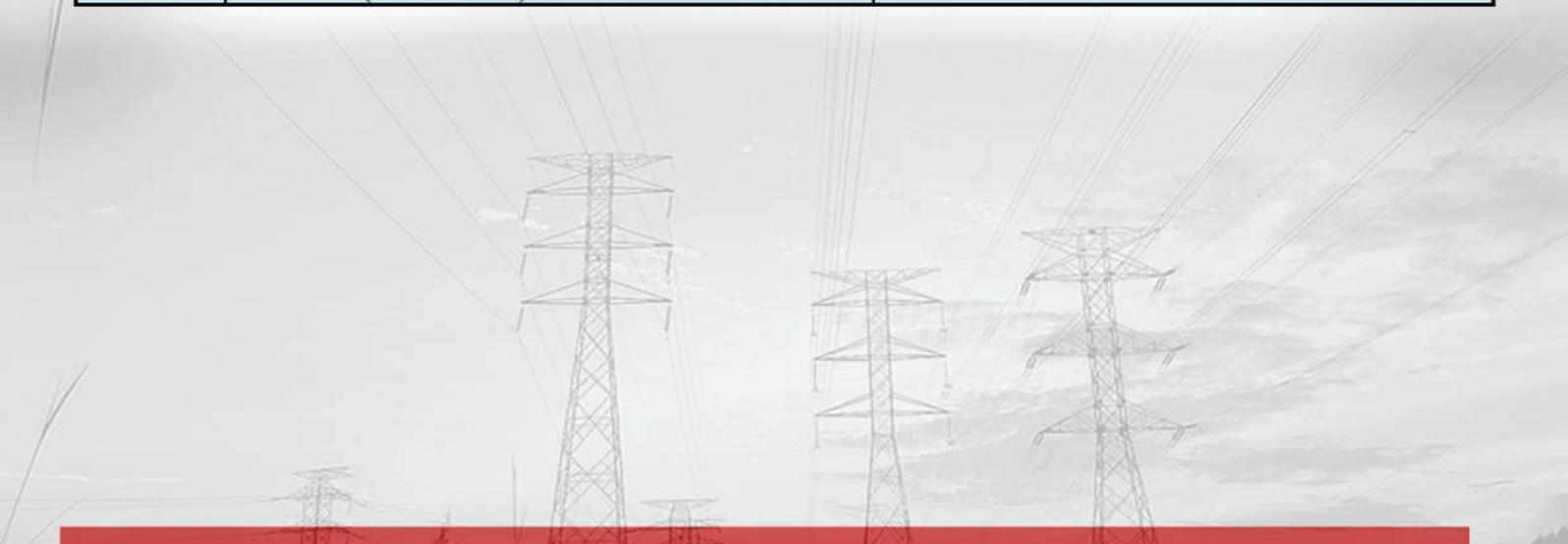


LIST OF TOOLS AVAILABLE FOR TOWER ERECTION

S. N	Description	Unit	Qty.
1	Hand Operated Winch	set	2
2	Derrick/Gib. Pole	set	2
3	Snatch Block	pcs	30
4	Shackles	pcs	30
6	Nylon Rope	rolls	12
7	Spanner	pcs	20
8	Spanner	pcs	20
9	Spanner	pcs	20
10	Spanner	pcs	20
11	Center Punch	pcs	12
12	Hammer	pcs	10
13	Hammer	pcs	20
14	Plier	pcs	6
15	Steel Hacksaw	pc	6
16	Steel Wire Sling	pcs	12
17	Steel Wire Sling	pcs	12
18	Steel Wire Sling	pcs	12
19	Tirfor with handle	set	10
20	Pull Lift/chain hoist	pcs	10
21	Wire Clamp	pcs	36
22	Wooden Plunks/bamboo	pcs	30
23	Sacks/gutes	pcs	20
24	Safety Belt	sets	150
25	Safety helmet	pcs	150
26	Angle Bar	pcs	12
27	Hand gloves	pairs	250
28	First aid kit box	box	5
29	Measuring tape	pcs	8
30	Tool bag	pcs	6
31	Round file	pcs	12

LIST OF TOOLS AVAILABLE FOR CABLE STRINGING

List of Tools & Tackle for Stringing Works				
S.N.	Item Descriptions	Unit	Quantity	Capacity
1	D-Shackles	Nos	50	9.5 Ton
2	Conductor Roller	Nos	35	4 Ton
3	Conductor Roller	Set	20	2.5 Ton
4	Automatic Clamp	Set	10	40 KN
5	Automatic Clamp	Set	10	20 KN
6	Automatic Clamp	Set	8	18 KN
7	Automatic Clamp	Set	10	10 KN
8	Automatic Clamp Earthwire/OPGW	Set	5	5 KN
9	Automatic (OPG) Clamp	Set	10	10 KN
10	Bolted Clamp	Set	5	2 KN
11	Small Turn Buckle	Set	4	5 Ton
12	Single Sleeve Rope Pulley	Set	10	10 KN
13	Four Sheave Pulley	Set	5	10 KN
14	Retractable Fall Arrestor	Set	6	23 KN
15	Double Capston Power Winch Machine	Set	2	5 Ton
16	Ning Motor Winch Mill	Set	2	5 Ton
17	Anchorage Line (Vertical Lifeline)	Set	2	1 Ton
18	Drum Lifting Jack	Set	2	10 Ton
19	Wire Rope	Set	2	Bundle
20	Steel Rope-11	Set	2	Bundle
21	PP Rope-18	Set	3	Bundle
22	PP Rope-22	Set	3	Bundle
23	Chain Pulley Block	Set	50	3 Ton
24	Chain Pulley Block	Set	50	3 Ton
25	Ground Roller	Set	25	2.5 Ton
26	Retractable Block	Set	5	2.5 Ton
27	Safety Belt	Set	50	
28	Hydraulic Press Machine	Set	2	5 Ton
29	Press Die (Steel)	Set	4	5 Ton
30	Press Die (Aluminium)	Set	4	5 Ton

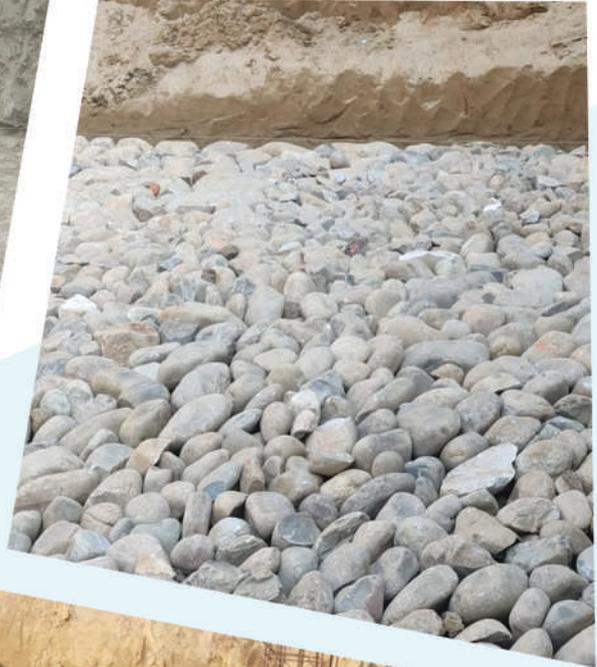


OUR PROJECTS

Name of Project	Name of client	Name of Prime Contractor	Description of Works
Mewa Khola HPP-Dhungesaghu 132 kV Transmission Line (Approx. 8 KM)	United Mewa Khola Hydropower Pvt. Ltd. (50 MW)	Pabitra Engineering Concern Pvt. Ltd. Nepal	EPC/Turnkey Contract
132 kV Transmission Line from Mathillo Khola Hydropower-NEA Dana Substation (Approx-30 KM)	Thulo Khola Hydropower Pvt. Ltd (22.5 MW)	Pabitra Engineering Concern Pvt. Ltd, Nepal	EPC/Turnkey Contract
220 kV Transmission Line Project of Tanahu Hydropower Limited	Tanahu Hydropower Limited	KEC International Limited, India	Sub-contract for Civil Construction Works
220 kV Transmission Line Project of Marsyandi Corridor.	Nepal Electricity Authority (NEA)	Pinggao Group Co. Ltd.	Sub-contract for Civil Construction Works
132 kV Transmission Line from Dordi Khola- Udipur NEA Substation	Dordi Khola-Himalayan Power Partner Pvt. Ltd. (27 MW).	Pabitra Engineering Concern Pvt. Ltd. Nepal	Prime Contractor for Service Portion Works
Udipur 220/132/66 kV GIS Substation	Nepal Electricity Authority (NEA)	Larsen & Toubro Limited (L&T).	Sub-contract for Civil Construction Works
Changunarayan 220/132/66 kv GIS Substation	Nepal Electricity Authority (NEA)	Larsen & Toubro Limited (L&T).	Sub-contract for Civil Construction Works
33/11 kV Substation-6/8 MVA Transformer	Nepal Electricity Authority (NEA)	Absolute Projects Limited, India.	Sub-contract for Civil Construction Works
11 kV Distribution Line of Upper Trisuli 3A for	Nepal Electricity Authority (NEA)	Gezhouba Group Company, China.	Sub-contract for Civil Construction & Erection with testing & Commissioning
11 kV Distribution Line for Construction Power	Thulo Khola Hydropower Project	Pabitra Engineering Concern Pvt. Ltd. Nepal	Sub-contract for Civil Construction & Erection with testing & Commissioning



OUR GALLERY



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