

NEA Engineering Company Ltd.

Trade Tower Thapathali, Kathmandu.

Employee Short CV Format

| | | | | |
|--|---|--|----------------------------|---|
| Full Name: | Sunil Maharjan | | | |
| Position in Company | 7 | Professional Position (E.g. Civil Engineer) | | Civil Engineer |
| Academic Qualification | Highest Academic Degree | M.E. in Water Resource Engineering [Running] Pulchowk Engineering College Pulchowk, Lalitpur | Year of Completion | |
| | Others Academic Degree | B.E. in Civil Engineering [2007-2011] Pulchowk Engineering College Pulchowk, Lalitpur | Year of Completion | 2011 |
| | | Intermediate in Science [2005-2007] St Xavier's College Maitighar, Kathmandu | | 2007 |
| | | School Leaving Certificate Divya Gyan English Boarding School Chagal, Tahachal, Kathmandu | | 2005 |
| Experiences | | | | |
| Total no. of years (Excluding Study period) | | | 7 years | |
| SN | Name of Organization | Position | Years of Experience | Key responsibilities |
| 1. | NEA Engineering Company | Hydropower Engineering | Since Feb 2018 till date | <ul style="list-style-type: none"> Involved in Desk Study and optimization of Various HEP including design, preparation of drawing, rate analysis, cost estimation and report writing |
| 1. | Joint Venture Norconsult AS-Lahmeyer International GmbH | Cost Engineer | 2 | <ul style="list-style-type: none"> Revised Cost Estimation of the Project Cost Control and cost monitoring of the Project commitments and actual costs against budget Involved in the preparation and certification of the Interim Payment Certificate for all other Contractors of the Client Involved in the preparation and certification of the Interim Reimbursement Certificate for Custom Duties of all the Contractors of the Project Responsible to control and monitor project total expenditure including verifying and checking of invoices and claims from suppliers, vendors and subcontractors to ensure that all project expenditures are captured and properly recorded Perform project costing related reporting to the |

| | | | | |
|----|---|----------------|------|---|
| | | | | <p>team and management's review on a monthly basis to ensure that expenditures are kept within the project budget</p> <ul style="list-style-type: none"> · Provide planning and cost controlling support for the project which includes variation reporting, monitoring of milestone progress to the preparation of customer billing processes, etc. · Coordinate and work with the project management team to resolve project issues to ensure the delivery/completion of the project work |
| 2. | Clean Energy Consultant Pvt. Ltd. | Civil Engineer | 0.67 | <ul style="list-style-type: none"> · Final/preliminary cost estimation of various Hydroelectric Project by preparing rate analysis for different items of works for both surface and underground · Working out detail quantity estimate of all civil structures in hydropower projects [Super Dordi HEP(49MW) and Super Nyadi HEP (40MW)] that includes Diversion dam, Intake, Settling Basin, Pipes/Canal/Tunnel, Head Pond/Surge Tank, Powerhouse, Switchyard etc. (both surface and underground) as per design drawings · Preparation of Technical/Design Drawing for different projects based on the given specification and calculation · Regular site visits and field survey with team of Experts for gathering information required to plan, design and construct hydropower and preparing reports based on visit · Preparing and compiling different volumes of reports for "Detail Project Report" of Super Dordi HEP and "Feasibility Report" of Super Nyadi HEP in consultation with expert team · Involved in design of Civil Structures in HEP [Upper Khimti and Uppallo Khimti etc.] like cofferdam, anchor blocks etc. under the guidance and instruction of Chief Design |
| 3. | Joint Venture Norconsult AS-Lahmeyer International GmbH | Civil Engineer | 2.83 | <ul style="list-style-type: none"> · Construction Supervision of tunneling and underground works that includes excavation (drilling/blasting, blasting pattern /rounds to control over break), support works (Shotcrete/ Rockbolts, Latice Girder /Steel Ribs installation etc.), lining, grouting, and necessary in-situ tests in 8.0 Km long Headrace Tunnel (6mx6m), 2.0 km long Adit Tunnels (4.2mx5.7m), 3.9 Km long Tailrace Tunnel (5.4mx7.2m), two 4.4m dia Vertical Penstock Shaft 375m and 315m deep and 4.4m dia 70m deep Surge Shaft, 1.0km long Surge Tunnel, Underground Powerhouse Cavern (145mx13mx30m), Transformer Cavern (165mx13mx17m), GIS (Gas Insulated Switchgear) and 340m Road Tunnel (6mx6m) in size. · Assist Geology Department in assessing rock |

| | | | | |
|----|--|----------------|-----|--|
| | | | | <p>support arrangements and preparing site instruction</p> <ul style="list-style-type: none"> · Ensure quality of works complying with Technical Specification, Design Drawing and contract. · Assist Geotechnical team in supervision and monitoring of various investigation and instrumentation works performed at site like fracture test, water pressure test, in-situ stress measurements, core drilling, convergence station and extensometer etc. · Site Supervision of material production in Batching Plant and quality control tests according to specifications · Field supervision of underground concreting at high temperature with high grade concrete · Carry out measurements and verifying bills for approval · Estimation of quantities for varied works · Supervise rehabilitation and reconstruction of site facilities and access road damaged by earthquake for commencing major site activities after 25th April 2015 Earthquake · Construction supervision of portal excavation and underground works in Road tunnel to Headworks Site · Field supervision of massive concrete structures of Headworks like Dam, Intake, Settling Basin, including supervision of re-bar arrangement according to bar-bending schedule · Field supervision of foundation construction at headworks including River diversion/Cofferdam, driving sheet piles, jet grouting, laying filter media and geotextiles. · Observation of excavation of Vertical shaft by Raise Boring machine/ Raise Climbing method by using Alimak |
| 4. | Astra and Developing Network Pvt. Ltd. | Civil Engineer | 0.5 | <ul style="list-style-type: none"> · Supervision and carry levelling for foundation excavation of High-Rise Building including bore piling & micro-piling etc. as per design drawing with necessary protection to adjacent building · Execute line, level and layout of piles and raft foundation · Prepare bar bending schedule for piles, raft, columns, shear wall etc. and field inspection of fixing rebar works as per technical drawing and specification · Plan, supervise, execute concrete works in piles, raft, shear wall and columns including mix design & quality check and tests on concrete, cement, aggregate, rebar performed in off-site lab · Daily reporting about the execution and progress of |

| | | | | |
|--|--|--|--|---|
| | | | | <p>works to the management</p> <ul style="list-style-type: none">· Coordinate with Contractor/Sub-Contractor to execute management plan and accordingly reschedule activities to meet the target· Estimation of quantities of construction material and timely process for procurement· Prepare/Verify bills of Sub-Contractors |
|--|--|--|--|---|