

# Housing Building

## Namche, Solukhumbu, Nepal

CLIENT: MR. PHINJU SHERPA

PROJECT: CONSTRUCTION OF HOUSING BUILDING

LOCATION: NACMHE, SOLUKHUMBU

| S.N. | DESCRIPTION  | UNIT | QUANTITY | RATE(NPR) | AMOUNT<br>(NRs) | REMARKS |
|------|--|------|----------|-----------|-----------------|---------|
| A.   | CIVIL WORKS  |      |          |           |                 |         |
| 1    | EARTH WORKS  |      |          |           |                 |         |
| 1.1  | SITE CLEARANCE   |      |          |           |                 |         |
|      | Clearing and grubbing the site for constructing by removing top soil including bushes, trees, leveling of undulated ground, sharting and stacking/storing selected top soil for reuse in landscaping works, disposing unsuitable materials from site, water supply & sanitation with proper site clearing before handover etc, all complete as per requirement and instructions of the Engineer. | SFT  | 3582.56  | 50        | 179128          |         |
| 1.2  | EARTHQUAKE IN EXCAVATION   |      |          |           |                 |         |
|      | Excavation in foundations in all type of sails for foundation, trenches, footing, pits etc. To the required depth including dewatering by manual or mechanical means etc, as per specification with all contractor's own machinery and equipment and disposing off the surplus/unusable earth to outside the construction premise, etc. All complete as per drawings and specifications.         | CFT  | 6881.57  | 65        | 447302.05       |         |
| 1.3  | EARTH BACK FILLING   |      |          |           |                 |         |
|      | Back filling in foundation, floors and sides of foundation with approved soil obtained from the excavation at site and stacked at site, spreading in required line and level, sprinkling water, ramming, compacting with ramming, testing, etc. All complete as per drawing, specification and as approved by the Engineer.  | CFT  | 5161     | 30        | 154830          |         |

|     |   |     |      |     |        |  |
|-----|---|-----|------|-----|--------|--|
| 1.4 | STONE SOLING  |     |      |     |        |  |
|     | Providing and laying gravel packing in foundation level following with compaction etc. Al complete as per drawing, specification and as approved by the Engineer. | CFT | 1253 | 460 | 576380 |  |

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| <b>2</b> | <b>CONCRETE WORKS</b>   |      |          |           |                 |         |
| 2.1      | PLAIN CEMENT CONCRETE   |      |          |           |                 |         |
|          | Providing and laying Plain Cement Concrete of nominal mix 1:3:6 (1 cement: 3 sand: 6 coarse aggregate ) for levelling course in foundations and floor of building, pathway, etc in all level with broken stone aggregate of size not more than 25mm of approved quality excluding formwork wherever necessary, dewatering, batching, mixing, transporting, placing, compacting, curing, including all lead and lift, etc all complete as per drawing, specification and as the instructions of the Engineer.  | CFT  | 895      | 2150      | 1924250         |         |
| 2.2      | P.C.C. FOR R.C.C. WORKS   |      |          |           |                 |         |
|          | Providing and laying in position machine mixed and machine vibrated ratio mix cement concrete of specified grade for reinforced cement concrete work using OPC 43 grade cement with approval graded machine crushed stone aggregate of approved quality in various locations and heights including transportation of concrete to site of placing, compaction, finished to required line and level, protection and curing, etc all complete as per drawing, specification and as the instructions of the Engineer.(Cement Manufacturer: Jagadamba, Maruti or equivalent) |      |          |           |                 |         |
| 2.2.1    | Do – as above but M20 concrete (1:1.5:3) At any location, level, height and shape As shown in the drawings and schedule.  | CFT  | 2611     | 2350      | 6135850         |         |

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| <b>3</b> | <b>FORM WORK</b>   |      |          |           |                 |         |
|          | Supply and laying centering, shuttering of various pattern formworks with thickness of 19mm (At beams, columns and shear wall) and 12mm (at slab) water proof ply wood & steel adjustable props for all kinds of RCC works for foundations, columns, beams, slab, staircase, lintel, slit, including nails, propping scaffolding, staging, supporting and bracing in proper lines and level, sealing the joints with heavy duty brown self-adhesive tape, aligning to line and levels including ties, applying deshuttering chemical, deshuttering as approved by the Engineer etc, complete at all levels as per drawings, specifications and instructions of the Engineer. | SFT  | 2233     | 125       | 277865          |         |
| <b>4</b> | <b>REINFORCEMENT WORK</b>  |      |          |           |                 |         |
|          | Providing and fixing in position Fe 500 steel reinforcement of various diameter confirming to relevant IS code in R.C.C. works including straightening, cutting, bending, binding with 20 SWG annealed wire for tying the reinforcement bars at each junctions (binding wire shall not be measured separately) including all waste and cut pieces, provision for adequate numbers of spacers, chairs, providing and placing cement mortar (1:1) cover blocks to keep the bars in intended position at all levels all complete as per drawings, specifications and instructions of the Engineer. (Rebar Manufacturer: Panchakanya, Himal or equivalent)                       | KG   | 8000     | 400       | 3200000         |         |
| <b>5</b> | <b>STONE MASONARY WORKS</b>  |      |          |           |                 |         |
|          | Providing and laying of ashlar fine masonry in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation up to plinth, superstructure and other specified places in all heights and level including the cost of single or multi stage scaffolding, soaking bricks, curing, raking joints, provision for recesses, openings, toothing etc., all complete as per drawing, specifications and instructions of the Engineer.  |      |          |           |                 |         |

|     |                 |     |        |     |         |  |
|-----|-----------------|-----|--------|-----|---------|--|
| 5.1 | Under DPC level | CFT | 3532.5 | 850 | 3002625 |  |
| 5.2 | Ground Floor    | CFT | 3412   | 850 | 2900200 |  |

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| <b>6</b> | <b>EPS SANDWICH PANEL</b>  |      |          |           |                 |         |
| 6.1      | Providing 75mm thick wood EPS (Expanded based Light weight Sandwich panel with 4.5mm non-asbestos calcium silicate board on both sides as face board and EPS, sand, walls. cement as inner core on building exterior                       | SFT  | 2000     | 850       | 1700000         |         |
| 6.2      | Providing and Fitting 40mm Thick, Roof panel, Non-Burn Exterior and Interior Skin of 0.3~0.4mm PPGI with flame retardant EPS core insulation, Base metal 1219 mm and effective width 1,000 mm, length 2m-13m of approved colour and brand. | SFT  | 4529     | 700       | 3170300         |         |

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| <b>7</b>                                      | <b>MS WORK</b>                  |      |          |           |                 |         |
| 7.1   | MS BEAM/CHANNEL WORKS           | KG   | 14910    | 425       | 6336750         |         |
| 7.2   | MS PIPE WORKS                   | KG   | 6600     | 450       | 2970000         |         |
| 7.3   | MS DECK SHEET                   | KG   | 3883     | 425       | 1650275         |         |
| 7.4   | MS NUT BOLT + ANCHOR BOLT WORKS | KG   | 1000     | 500       | 500000          |         |
| <b>8</b>                                      | <b>DOOR AND WINDOWS WORK</b>    |      |          |           |                 |         |
| 8.1   | DOOR And WINDOW                 | SFT  | 1718     | 1800      | 3092400         |         |
| <b>Total of Civil works without finishing</b> |                                 |      |          |           | 38218155.05     |         |

