

# **SAHAMATI NEPAL**

**Gaindakot-5, Nawalparasi, Nepal**

## **CONSTRUCTION OF MARKET CENTRE BILL OF QUANTITIES**



Submitted by:

**Bonafide Engineering Consultancy Pvt. Ltd.**

**Sanepa, Lalitpur**

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**SAHAMATI NEPAL**  
**Gaindakot-5, Nawalparasi, Nepal**

District: Nawalparasi

Project: Construction of Market Centre

Location: Nawalparasi

Consultant: Bonafide Engineering and Consultancy Pvt. Ltd.

**Bill of Quantities - Block A**

| S.N                                   | Description of work                                                                                                                                                                                                 | Quantity | Unit | Rate      |          | Amount    |          | Remarks |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----------|----------|-----------|----------|---------|
|                                       |                                                                                                                                                                                                                     |          |      | In Figure | In Words | In Figure | In Words |         |
| <b>A Civil Work</b>                   |                                                                                                                                                                                                                     |          |      |           |          |           |          |         |
| <b>1 Site Clearance and Earthwork</b> |                                                                                                                                                                                                                     |          |      |           |          |           |          |         |
| 1.1                                   | Site clearance with thick bush & small plant cutting ,removing of roots ,cut of heaps of soil,inclusing construction site line and levelling work                                                                   | 827.67   | Sqm  |           |          |           |          |         |
| 1.2                                   | Earthwork in excavation in ordinary soils in foundation including 10m hauling distance and 1.5 m lift all complete                                                                                                  | 137.57   | cu.m |           |          |           |          |         |
| 1.3                                   | Earth filling in 150 mm thick layer, watering, ramming including supply of filling materials.                                                                                                                       | 446.23   | cu.m |           |          |           |          |         |
| <b>2 SOLING WORKS</b>                 |                                                                                                                                                                                                                     |          |      |           |          |           |          |         |
| 2.1                                   | Flat Brick soling in foundation and floor including leveling, watering etc. all complete.                                                                                                                           | 207.25   | sq.m |           |          |           |          |         |
| <b>3 Masonry work</b>                 |                                                                                                                                                                                                                     |          |      |           |          |           |          |         |
| 3.1                                   | Good quality local chimney made Brickwork in 1:6 C/S mortar up to ground floor in perfect line level finishe including wetting the bricks, racking the joints and curing the work for at least 7 days all complete. | 28.83    | cu.m |           |          |           |          |         |
| 3.2                                   | Good quality local chimney made Brickwork in 1:6 C/S mortar in superstructure in perfect line level finish including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.   | 39.35    | cu.m |           |          |           |          |         |
| 3.3                                   | Machine made Brickwork in 1:6 C/S mortar in superstructure in perfect line level finish including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.                      | 5.24     | cu.m |           |          |           |          |         |
|                                       |                                                                                                                                                                                                                     |          |      |           |          |           |          |         |

|                                 |                                                                                                                                                                                                                                                                                                 |               |             |  |  |  |  |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|--|--|--|--|
| <b>4 Concrete work</b>          |                                                                                                                                                                                                                                                                                                 |               |             |  |  |  |  |
| 4.1                             | Plain cement Concrete (PCC) in M10/10 (1:3:6 ratio) for foundations, flooring and walls with approved quality of cement, sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer.                                                       | <b>14.16</b>  | <b>cum</b>  |  |  |  |  |
| 4.2                             | Plain cement Concrete (PCC) for RCC work in M20 (1:1.5:3 ratio) for foundations, flooring and walls with machine used and approved quality of cement and sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer.                       | <b>61.81</b>  | <b>cu.m</b> |  |  |  |  |
| <b>5 Formwork</b>               |                                                                                                                                                                                                                                                                                                 |               |             |  |  |  |  |
| 5.1                             | Formwork, shuttering, centering with 19mm thick waterproof ply for column, necessary propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.and remove from structure to them also.                        | <b>213.98</b> | <b>sq.m</b> |  |  |  |  |
| 5.2                             | Formwork, shuttering, centering with 19mm thick waterproof ply for beam with steel pipe propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.and remove from structure to them also.                     | <b>195.77</b> | <b>sqm</b>  |  |  |  |  |
| 5.3                             | Formwork, shuttering, centering with 19mm thick waterproof ply board and steel post for all works necessary propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.and remove from structure to them also. | <b>184.52</b> | <b>Sqm</b>  |  |  |  |  |
| <b>6 TMT reinforcement work</b> |                                                                                                                                                                                                                                                                                                 |               |             |  |  |  |  |
| 6.1                             | TMT steel reinforcement bar of Fe 500 grade including straightening, cleaning, cutting, binding & fixing in position with annealed tying binding wire as per drawing, design & instruction all complete.                                                                                        | <b>8.62</b>   | <b>MT</b>   |  |  |  |  |
| <b>7 Plaster work</b>           |                                                                                                                                                                                                                                                                                                 |               |             |  |  |  |  |
| 7.1                             | 20mm thick cement sand plaster in (1:6) ratio on wall of good finish including racking the joint, wetting of surfaces & curing the work all complete.                                                                                                                                           | <b>445.86</b> | <b>Sqm</b>  |  |  |  |  |
| 7.2                             | 12.5mm thick cement sand plaster in (1:3) ratio on ceiling of good finish including racking the joint, wetting of surfaces & curing the work all complete.                                                                                                                                      | <b>131.46</b> | <b>Sqm</b>  |  |  |  |  |
| 7.3                             | 12.5mm thick cement sand plaster in (1:6) ratio on staircase ,seating, outer steps, apron of good finish including racking the joint, wetting of surfaces & curing the work all complete.                                                                                                       | <b>40.08</b>  | <b>Sqm</b>  |  |  |  |  |
| <b>8 Finishing Work</b>         |                                                                                                                                                                                                                                                                                                 |               |             |  |  |  |  |
| 8.1                             | 38mm thick (1:2:4) Screeding for flooring with approved quality of O.P. cement , sand and crushed stone Chips less than 10mm including mixing, laying, punning, rubbing in hard surface curing etc all complete.                                                                                | <b>266.87</b> | <b>Sqm</b>  |  |  |  |  |
| 8.2                             | Supplying and laying of glazed porceline clay tiles in cement sand mortar (1:4) ratio with approved colour on floor all complete.                                                                                                                                                               | <b>9.47</b>   | <b>Sqm</b>  |  |  |  |  |

|                          |                                                                                                                                                                                                               |       |      |  |  |  |  |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--|--|--|--|
| 8.3                      | Supplying and laying of glazed porcelain clay tiles in cement sand mortar (1:4) ratio with approved colour on wall and floor all complete.                                                                    | 25.01 | Sqm  |  |  |  |  |
| <b>9 Door and window</b> |                                                                                                                                                                                                               |       |      |  |  |  |  |
| 9.1                      | Well seasoned salwood chaukhats for fixed/openable door/windows with good finish of approved quality including fixing in position with necessary M.S. hold fasts as per drawing and instruction all complete. | 0.15  | cu.m |  |  |  |  |
| 9.2                      | Making and fixing mosquito proof wire mesh net with expanded metal net flush shutter in 38mm th sal wood frame. (shutter size: 1.092*2.058=2.245 sqm)                                                         | 0.37  | Sqm  |  |  |  |  |
| 9.3                      | Supplying and fitting Ready made Teak wood Doors, special (Seasoned and Poisoned treated ,one side teak and other side water proof ply fitting) with all necessary hardware all complete.                     | 3.58  | Sqm  |  |  |  |  |
| 9.4                      | Fixing of glazed shutter in 38x75 mm sawing thick sal wood frame with 5mm thick plain glass fitting including all necessary hardware fittings all complete.                                                   | 3.35  | Sqm  |  |  |  |  |
| 9.5                      | UPVC Single Door (frame 60X60mm, sash 60X 104mm) White Colour With Top Glass 5mm And Bottom UPVC Panel.including all necessary accessories with all complete                                                  | 4.53  | Sqm  |  |  |  |  |
| 9.6                      | Supply and fixing 16/18 gauge M.S. Rolling shutter with all necessary accessories, all complete. With paint                                                                                                   | 58.51 | Sqm  |  |  |  |  |
|                          |                                                                                                                                                                                                               |       |      |  |  |  |  |

|           |                                                                                                                                                                                                                    |                    |             |  |  |  |  |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|--|--|--|--|
| <b>10</b> | <b>Painting work</b>                                                                                                                                                                                               |                    |             |  |  |  |  |
| 10.1      | Colouring with two coats ready made washable distemper paint over one coat primer                                                                                                                                  | <b>339.09</b>      | <b>Sqm</b>  |  |  |  |  |
| 10.2      | Colouring with two coats white washing in new ceiling surface to give uniform colouring after rendering the surface all complete.                                                                                  | <b>131.46</b>      | <b>Sqm</b>  |  |  |  |  |
| 10.3      | 2 coats of ready made enamel paint of approved colour over 1 coat of primer Painting over properly sanded wooden surface all complete                                                                              | <b>8.58</b>        | <b>Sqm</b>  |  |  |  |  |
| <b>11</b> | <b>Metal Work</b>                                                                                                                                                                                                  |                    |             |  |  |  |  |
| 11.1      | Stainless steel railing with 2"Ø top, 1"Ø middle & buttam pipe in 3 rows, 2"Ø post @ 1mtr. c/c finish clear height including the cost of materials, labor & fixing & fitting all complete                          | <b>11.57</b>       | <b>r.m</b>  |  |  |  |  |
|           |                                                                                                                                                                                                                    |                    |             |  |  |  |  |
| <b>12</b> | <b>Expansion Joint Works</b>                                                                                                                                                                                       |                    |             |  |  |  |  |
| 12.1      | Good quality local chimney made Brickwork in 1:6 C/S mortar up to ground floor in perfect line level finish including wetting the bricks, racking the joints and curing the work for at least 7 days all complete. | <b>0.30</b>        | <b>cu.m</b> |  |  |  |  |
| 12.2      | 20mm thick cement sand plaster in (1:6) ratio on wall of good finish including racking the joint, wetting of surfaces & curing the work all complete.                                                              | <b>5.63</b>        | <b>sq.m</b> |  |  |  |  |
|           |                                                                                                                                                                                                                    | <b>Total</b>       |             |  |  |  |  |
|           |                                                                                                                                                                                                                    | <b>13% VAT</b>     |             |  |  |  |  |
|           |                                                                                                                                                                                                                    | <b>Grand Total</b> |             |  |  |  |  |

**SAHAMATI NEPAL**  
**Gaindakot-5, Nawalparasi, Nepal**

District: Nawalparasi

Project: Construction of Market Centre

Location: Nawalparasi

Consultant: Bonafide Engineering and Consultancy Pvt. Ltd.

**Bill of Quantities - Block B**

| S.N                                   | Description of work                                                                                                                                                                                                 | Quantity | Unit | Rate      |          | Amount    |          | Remarks |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----------|----------|-----------|----------|---------|
|                                       |                                                                                                                                                                                                                     |          |      | In Figure | In Words | In Figure | In Words |         |
| <b>A Civil Work</b>                   |                                                                                                                                                                                                                     |          |      |           |          |           |          |         |
| <b>1 Site Clearance and Earthwork</b> |                                                                                                                                                                                                                     |          |      |           |          |           |          |         |
| 1.1                                   | Site clearance with thick bush & small plant cutting ,removing of roots ,cut of heaps of soil,inclusing construction site line and levelling work                                                                   | 827.67   | Sqm  |           |          |           |          |         |
| 1.2                                   | Earthwork in excavation in ordinary soils in foundation including 10m hauling distance and 1.5 m lift all complete                                                                                                  | 137.57   | cu.m |           |          |           |          |         |
| 1.3                                   | Earth filling in 150 mm thick layer, watering, ramming including supply of filling materials.                                                                                                                       | 446.23   | cu.m |           |          |           |          |         |
| <b>2 SOLING WORKS</b>                 |                                                                                                                                                                                                                     |          |      |           |          |           |          |         |
| 2.1                                   | Flat Brick soling in foundation and floor including leveling, watering etc. all complete.                                                                                                                           | 207.25   | sq.m |           |          |           |          |         |
| <b>3 Masonry work</b>                 |                                                                                                                                                                                                                     |          |      |           |          |           |          |         |
| 3.1                                   | Good quality local chimney made Brickwork in 1:6 C/S mortar up to ground floor in perfect line level finishe including wetting the bricks, racking the joints and curing the work for at least 7 days all complete. | 28.83    | cu.m |           |          |           |          |         |
| 3.2                                   | Good quality local chimney made Brickwork in 1:6 C/S mortar in superstructure in perfect line level finish including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.   | 41.15    | cu.m |           |          |           |          |         |
| 3.3                                   | Machine made Brickwork in 1:6 C/S mortar in superstructure in perfect line level finish including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.                      | 5.24     | cu.m |           |          |           |          |         |

|          |                                                                                                                                                                                                                                                                                                 |               |             |  |  |  |  |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|--|--|--|--|
| <b>4</b> | <b>Concrete work</b>                                                                                                                                                                                                                                                                            |               |             |  |  |  |  |
| 4.1      | Plain cement Concrete (PCC) in M10/10 (1:3:6 ratio) for foundations, flooring and walls with approved quality of cement, sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer.                                                       | <b>14.16</b>  | <b>cum</b>  |  |  |  |  |
| 4.2      | Plain cement Concrete (PCC) for RCC work in M20 (1:1.5:3 ratio) for foundations, flooring and walls with machine used and approved quality of cement and sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer.                       | <b>61.86</b>  | <b>cu.m</b> |  |  |  |  |
| <b>5</b> | <b>Formwork</b>                                                                                                                                                                                                                                                                                 |               |             |  |  |  |  |
| 5.1      | Formwork, shuttering, centering with 19mm thick waterproof ply for column, necessary propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.and remove from structure to them also.                        | <b>213.98</b> | <b>sq.m</b> |  |  |  |  |
| 5.2      | Formwork, shuttering, centering with 19mm thick waterproof ply for beam with steel pipe propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.and remove from structure to them also.                     | <b>195.77</b> | <b>sqm</b>  |  |  |  |  |
| 5.3      | Formwork, shuttering, centering with 19mm thick waterproof ply board and steel post for all works necessary propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.and remove from structure to them also. | <b>184.78</b> | <b>Sqm</b>  |  |  |  |  |
| <b>5</b> | <b>TMT reinforcement work</b>                                                                                                                                                                                                                                                                   |               |             |  |  |  |  |
| 5.1      | TMT steel reinforcement bar of Fe 500 grade including straightening, cleaning, cutting, binding & fixing in position with annealed tying binding wire as per drawing, design & instruction all complete.                                                                                        | <b>8.62</b>   | <b>MT</b>   |  |  |  |  |
| <b>7</b> | <b>Plaster work</b>                                                                                                                                                                                                                                                                             |               |             |  |  |  |  |
| 7.1      | 20mm thick cement sand plaster in (1:6) ratio on wall of good finish including racking the joint, wetting of surfaces & curing the work all complete.                                                                                                                                           | <b>473.99</b> | <b>Sqm</b>  |  |  |  |  |
| 7.2      | 12.5mm thick cement sand plaster in (1:3) ratio on ceiling of good finish including racking the joint, wetting of surfaces & curing the work all complete.                                                                                                                                      | <b>131.80</b> | <b>Sqm</b>  |  |  |  |  |
| 7.3      | 12.5mm thick cement sand plaster in (1:6) ratio on staircase ,seating, outer steps, apron of good finish including racking the joint, wetting of surfaces & curing the work all complete.                                                                                                       | <b>40.08</b>  | <b>Sqm</b>  |  |  |  |  |
| <b>8</b> | <b>Finishing Work</b>                                                                                                                                                                                                                                                                           |               |             |  |  |  |  |
| 8.1      | 38mm thick (1:2:4) Screeding for flooring with approved quality of O.P. cement , sand and crushed stone Chips less than 10mm including mixing, laying, punning, rubbing in hard surface curing etc all complete.                                                                                | <b>267.21</b> | <b>Sqm</b>  |  |  |  |  |

|                          |                                                                                                                                                                                                               |       |      |  |  |  |  |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--|--|--|--|
| 8.2                      | Supplying and laying of glazed porcelain clay tiles in cement sand mortar (1:4) ratio with approved colour on floor all complete.                                                                             | 9.72  | Sqm  |  |  |  |  |
| 8.3                      | Supplying and laying of glazed porcelain clay tiles in cement sand mortar (1:4) ratio with approved colour on wall and floor all complete.                                                                    | 29.43 | Sqm  |  |  |  |  |
| <b>9 Door and window</b> |                                                                                                                                                                                                               |       |      |  |  |  |  |
| 9.1                      | Well seasoned salwood chaukhats for fixed/openable door/windows with good finish of approved quality including fixing in position with necessary M.S. hold fasts as per drawing and instruction all complete. | 0.16  | cu.m |  |  |  |  |
| 9.2                      | Making and fixing mosquito proof wire mesh net with expanded metal net flush shutter in 38mm th sal wood frame.(shutter size: 1.092*2.058=2.245 sqm)                                                          | 0.56  | Sqm  |  |  |  |  |
| 9.3                      | Supplying and fitting Ready made Teak wood Doors,special (Seasoned and Poisoned treated ,one side teak and other side water proof ply fitting) with all necessary hardware all complete.                      | 3.58  | Sqm  |  |  |  |  |
| 9.4                      | Fixing of glazed shutter in 38x75 mm sawing thick sal wood frame with 5mm thick plain glass fitting including all necessary hardware fittings all complete.                                                   | 3.35  | Sqm  |  |  |  |  |
| 9.5                      | UPVC Single Door (frame 60X60mm, sash 60X 104mm) White Colour With Top Glass 5mm And Bottom UPVC Panel.including all necessary accessories with all complete                                                  | 6.04  | Sqm  |  |  |  |  |
| 9.6                      | Supply and fixing 16/18 gauge M.S. Rolling shutter with all necessary accessories, all complete. With paint                                                                                                   | 58.51 | Sqm  |  |  |  |  |
|                          |                                                                                                                                                                                                               |       |      |  |  |  |  |



|           |                                                                                                                                                                                                                    |                    |             |  |  |  |  |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|--|--|--|--|
| <b>10</b> | <b>Painting work</b>                                                                                                                                                                                               |                    |             |  |  |  |  |
| 10.1      | Colouring with two coats readymade washable distemper paint over one coat primer                                                                                                                                   | <b>367.22</b>      | <b>Sqm</b>  |  |  |  |  |
| 10.2      | Colouring with two coats white washing in new ceiling surface to give uniform colouring after rendering the surface all complete.                                                                                  | <b>131.80</b>      | <b>Sqm</b>  |  |  |  |  |
| 10.3      | 2 coats of ready made enamel paint of approved colour over 1 coat of primer Painting over properly sanded wooden surface all complete                                                                              | <b>9.23</b>        | <b>Sqm</b>  |  |  |  |  |
| <b>11</b> | <b>Metal Work</b>                                                                                                                                                                                                  |                    |             |  |  |  |  |
| 11.1      | Stainless steel railing with 2"Ø top, 1"Ø middle & buttam pipe in 3 rows, 2"Ø post @ 1mtr. c/c finish clear height including the cost of materials, labor & fixing & fitting all complete                          | <b>11.57</b>       | <b>r.m</b>  |  |  |  |  |
|           |                                                                                                                                                                                                                    |                    |             |  |  |  |  |
| <b>12</b> | <b>Expansion Joint Works</b>                                                                                                                                                                                       |                    |             |  |  |  |  |
| 12.1      | Good quality local chimney made Brickwork in 1:6 C/S mortar up to ground floor in perfect line level finish including wetting the bricks, racking the joints and curing the work for at least 7 days all complete. | <b>0.30</b>        | <b>cu.m</b> |  |  |  |  |
| 12.2      | 20mm thick cement sand plaster in (1:6) ratio on wall of good finish including racking the joint, wetting of surfaces & curing the work all complete.                                                              | <b>5.63</b>        | <b>sq.m</b> |  |  |  |  |
|           |                                                                                                                                                                                                                    | <b>Total</b>       |             |  |  |  |  |
|           |                                                                                                                                                                                                                    | <b>13% VAT</b>     |             |  |  |  |  |
|           |                                                                                                                                                                                                                    | <b>Grand Total</b> |             |  |  |  |  |
|           |                                                                                                                                                                                                                    | <b>In Words</b>    |             |  |  |  |  |

**SAHAMATI NEPAL**  
**Gaindakot-5, Nawalparasi, Nepal**

District: Nawalparasi

Project: Construction of Market Centre

Location: Nawalparasi

Consultant: Bonafide Engineering and Consultancy Pvt. Ltd.

**Bill of Quantities - Miscellaneous**

| S.N      | Description of work                                                                                                                                                                                                                       | Quantity | Unit | Rate             |                 | Amount           |                 | Remarks |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------------|-----------------|------------------|-----------------|---------|
|          |                                                                                                                                                                                                                                           |          |      | <i>In Figure</i> | <i>In Words</i> | <i>In Figure</i> | <i>In Words</i> |         |
|          | <b>Miscellaneous Works</b>                                                                                                                                                                                                                |          |      |                  |                 |                  |                 |         |
| <b>A</b> | <b>Boundary Wall</b>                                                                                                                                                                                                                      |          |      |                  |                 |                  |                 |         |
| 1        | Earthwork in excavation in ordinary soils in foundation including 10m hauling distance and 1.5 m lift all complete                                                                                                                        | 6.82     | cu.m |                  |                 |                  |                 |         |
| 2        | Flat Brick soling in foundation and floor including leveling, watering etc. all complete.                                                                                                                                                 | 3.20     | sq.m |                  |                 |                  |                 |         |
| 3        | Plain cement Concrete (PCC) in M10/10 (1:3:6 ratio) for foundations, flooring and walls with approved quality of cement, sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer. | 0.24     | cu.m |                  |                 |                  |                 |         |
| 4        | Good quality local chimney made Brickwork in 1:6 C/S mortar up to ground floor in perfect line level finishe including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.                       | 4.89     | cu.m |                  |                 |                  |                 |         |
| <b>B</b> | <b>Vegetable Washing Area</b>                                                                                                                                                                                                             |          |      |                  |                 |                  |                 |         |
| 1        | Flat Brick soling in foundation and floor including leveling, watering etc. all complete.                                                                                                                                                 | 5.08     | sq.m |                  |                 |                  |                 |         |
| 2        | Plain cement Concrete (PCC) in M10/10 (1:3:6 ratio) for foundations, flooring and walls with approved quality of cement, sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer. | 0.39     | cu.m |                  |                 |                  |                 |         |

|                        |                                                                                                                                                                                                                                                 |        |      |  |  |  |  |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|--|--|--|--|
| 3                      | 38mm thick (1:2:4) Screeding for flooring with approved quality of O.P. cement , sand and crushed stone Chips less than 10mm including mixing, laying, punning, rubbing in hard surface curing etc all complete.                                | 5.08   | sq.m |  |  |  |  |
| 4                      | Good quality local chimney made Brickwork in 1:6 C/S mortar up to ground floor in perfect line level finishe including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.                             | 0.21   | cu.m |  |  |  |  |
| 5                      | Deep Tube Well - 35m                                                                                                                                                                                                                            | 1      | Nos  |  |  |  |  |
| <b>C Pavement</b>      |                                                                                                                                                                                                                                                 |        |      |  |  |  |  |
| 1                      | Hexagon Interlock Pavers Grey Color with compressive strength M35 or above. (Specification: Thickness: 50mm, Dimension:226*200*50, Tolerance/others:±1mm Variance in thickness, Proper Interlock Grooves & Pigment Color, Water absorption <6%) | 496.06 | sq.m |  |  |  |  |
| 2                      | Providing, laying, spreading, watering, levelling and compactinnof crusher run materials for sub base course grading SB1*lead upto 10m                                                                                                          | 123.95 | cu.m |  |  |  |  |
| 3                      | Subgrade Construction with loose untreated materials                                                                                                                                                                                            | 99.16  | cu.m |  |  |  |  |
| <b>D Electric Pole</b> |                                                                                                                                                                                                                                                 |        |      |  |  |  |  |
| 1                      | Supply and erection of PSC Pole, 8m high                                                                                                                                                                                                        | 2.00   |      |  |  |  |  |
| 2                      | Street Light                                                                                                                                                                                                                                    |        |      |  |  |  |  |
|                        | 2 x 36 W FTL street light fixture with acrylic diffuser complete set                                                                                                                                                                            | 3.00   | Nos  |  |  |  |  |
|                        | 7mtr wooden pole                                                                                                                                                                                                                                | 3.00   | Nos  |  |  |  |  |

|                         |                                                                                                                                                                                                                                                                           |                    |             |  |  |  |  |  |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|--|--|--|--|--|
|                         |                                                                                                                                                                                                                                                                           |                    |             |  |  |  |  |  |
| <b>E Drainage works</b> |                                                                                                                                                                                                                                                                           |                    |             |  |  |  |  |  |
| 1                       | Flat Brick soling in foundation and floor including leveling, watering etc. all complete.                                                                                                                                                                                 | <b>62.36</b>       | <b>sq.m</b> |  |  |  |  |  |
| 2                       | Plain cement Concrete (PCC) in M10/10 (1:3:6 ratio) for foundations, flooring and walls with approved quality of cement, sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer.                                 | <b>4.75</b>        | <b>cu.m</b> |  |  |  |  |  |
| 3                       | Good quality local chimney made Brickwork in 1:6 C/S mortar up to ground floor in perfect line level finishe including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.                                                       | <b>12.26</b>       | <b>cu.m</b> |  |  |  |  |  |
| 4                       | Plain cement Concrete (PCC) for RCC work in M20 (1:1.5:3 ratio) for foundations, flooring and walls with machine used and approved quality of cement and sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer. | <b>6.27</b>        | <b>cu.m</b> |  |  |  |  |  |
| 5                       | TMT steel reinforcement bar of Fe 500 grade including straightening, cleaning, cutting, binding & fixing in position with annealed tying binding wire as per drawing, design & instruction all complete.                                                                  | <b>0.63</b>        | <b>MT</b>   |  |  |  |  |  |
| 6                       | 50mm thick (1:2:4) P.C.C. for flooring with approved quality of O.P. cement , sand and crushed stone aggregate including mixing, laying, punning, rubbing in hard surface curing etc all complete.                                                                        | <b>45.35</b>       | <b>sq.m</b> |  |  |  |  |  |
| 7                       | 20mm thick cement sand plaster in (1:6) ratio on wall of good finish including racking the joint, wetting of surfaces & curing the work all complete.                                                                                                                     | <b>53.67</b>       | <b>sq.m</b> |  |  |  |  |  |
| 8                       | 3mm thick cement punning on wall surface                                                                                                                                                                                                                                  | <b>53.67</b>       | <b>sq.m</b> |  |  |  |  |  |
|                         |                                                                                                                                                                                                                                                                           |                    |             |  |  |  |  |  |
|                         |                                                                                                                                                                                                                                                                           | <b>Total</b>       |             |  |  |  |  |  |
|                         |                                                                                                                                                                                                                                                                           | <b>13% VAT</b>     |             |  |  |  |  |  |
|                         |                                                                                                                                                                                                                                                                           | <b>Grand Total</b> |             |  |  |  |  |  |
|                         |                                                                                                                                                                                                                                                                           | <b>In words</b>    |             |  |  |  |  |  |

**SAHAMATI NEPAL**  
**GAINDAKOT-5, NAWALPARASI, NEPAL**

District: Nawalparasi

Project: Construction of Market Centre

Location: Nawalparasi

Consultant: Bonafide Engineering and Consultancy Pvt. Ltd.

**Electrical Estimation - Block A**

| S.No. | Description of Works                                                                                                                                                                                                                                                                                                                                                                                                          | Quantity | Unit   | Rate       |          | Amount     |          | Remarks |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------------|----------|------------|----------|---------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                               |          |        | In Figures | In Words | In Figures | In Words |         |
| 1     | <b>Concealed Wiring</b>                                                                                                                                                                                                                                                                                                                                                                                                       |          |        |            |          |            |          |         |
|       | Supply, Installation, Testing and Commissioning of point wiring from Distribution Board to junction boxes/switch box, from junction boxes to switches, light and power outlets, in suitable HDPE conduit with PVC insulated copper conductor recessed inside ground, concrete slab, wall, including necessary nails, saddle clamps, accessories, metal junction boxes, for following circuits , all complete as per drawings. |          |        |            |          |            |          |         |
| a     | Light points wiring from distribution boards to switch boxes and switch boxes to light fixtures with 2x 2.5sq mm + 1.5 sq mm PVC insulated copper wire through 20mm dia. HDPE conduit.                                                                                                                                                                                                                                        | 30       | Points |            |          |            |          |         |
| b     | 13 Amp 3 Pin Universal Power points and USB points wiring from distribution boards to 2 - 3 outlets per circuit with 2x4+1x2.5 sq mm PVC insulated copper wires through 25mm dia. HDPE conduit including all necessary materials for point wiring excluding power sockets.                                                                                                                                                    | 7        | Points |            |          |            |          |         |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                               |          |        |            |          |            |          |         |

| S.No. | Description of Works                                                                                                                                                                                                   | Quantity | Unit | Rate       |          | Amount     |          | Remarks |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------|----------|------------|----------|---------|
|       |                                                                                                                                                                                                                        |          |      | In Figures | In Words | In Figures | In Words |         |
| 2     | <b>Supply, Installation, Testing, and Commissioning of modular type Switch/Sockets including appropriate metal box size. All should be completed as per specification, drawings and instruction of the Consultant.</b> |          |      |            |          |            |          |         |
| a     | 13 Amp 3 Pin Universal Power Socket with safety shutter, modular switch and required modular face plate                                                                                                                | 7        | Sets |            |          |            |          |         |
| b     | 5 Gang 1 Way Modular Type Switch all complete                                                                                                                                                                          | 6        | Sets |            |          |            |          |         |
| c     | 2 Gang 1 Way Modular Type Switch all complete                                                                                                                                                                          | 2        | Sets |            |          |            |          |         |
| d     | 3 Gang 1 Way Modular Type Switch all complete                                                                                                                                                                          | 1        | Sets |            |          |            |          |         |
| f     | 1 Gang 2 Way Modular Type Switch all complete                                                                                                                                                                          | 2        | Sets |            |          |            |          |         |
| 3     | <b>Supply, Installation, Testing and Commissioning of Light Fixtures complete with lamps/tubes, LED driver including fixing materials all complete as per drawing.</b>                                                 |          |      |            |          |            |          |         |
| a     | 40 Watt Tube Light                                                                                                                                                                                                     | 6        | Sets |            |          |            |          |         |
| b     | 6 Watt Surface Mounted Downlight                                                                                                                                                                                       | 24       | Sets |            |          |            |          |         |
| 5     | <b>Distribution Board</b>                                                                                                                                                                                              |          |      |            |          |            |          |         |
|       | Supply , Installation , Testing and Commissioning of Distribution Boards including all incoming, outgoing units with accessories following as per specification, drawings and instruction of the Consultant.           |          |      |            |          |            |          |         |
| a     | <b>Ground Floor Distribution Board</b>                                                                                                                                                                                 | 1        | Set  |            |          |            |          |         |
|       | 1 no. 20 A FP MCB                                                                                                                                                                                                      |          |      |            |          |            |          |         |
|       | 5 nos. 6A SP MCB's                                                                                                                                                                                                     |          |      |            |          |            |          |         |
|       | 13 nos. 16A SP MCB's                                                                                                                                                                                                   |          |      |            |          |            |          |         |
|       | 1 nos. 20/30 Amp Earth Copper Bus Bar/ Terminals                                                                                                                                                                       |          |      |            |          |            |          |         |

| S.No.                                    | Description of Works                                                                                                                                   | Quantity | Unit | Rate              |                 | Amount            |                 | Remarks |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-------------------|-----------------|-------------------|-----------------|---------|
|                                          |                                                                                                                                                        |          |      | <i>In Figures</i> | <i>In Words</i> | <i>In Figures</i> | <i>In Words</i> |         |
| 6                                        | <b>Main Distribution Board</b>                                                                                                                         |          |      |                   |                 |                   |                 |         |
|                                          | Supply, Installation, Testing, Commissioning of Main Electrical Distribution Board (MDB) including incomer / outgoing Units including all accessories: | 1        | Set  |                   |                 |                   |                 |         |
|                                          | <b>Incoming Chamber</b>                                                                                                                                |          |      |                   |                 |                   |                 |         |
|                                          | 1 nos 32 Amp MCB                                                                                                                                       |          |      |                   |                 |                   |                 |         |
|                                          | 32 Amp Earth Copper BusBar/ Terminals                                                                                                                  |          |      |                   |                 |                   |                 |         |
|                                          | <b>Outgoing Chamber</b>                                                                                                                                |          |      |                   |                 |                   |                 |         |
|                                          | 3 nos. 20 Amp TPN MCB                                                                                                                                  |          |      |                   |                 |                   |                 |         |
| <b>Total Amount for Electrical Works</b> |                                                                                                                                                        |          |      | <i>In figures</i> |                 |                   |                 |         |
|                                          |                                                                                                                                                        |          |      | <i>In Words</i>   |                 |                   |                 |         |

**SAHAMATI NEPAL**  
**GAINDAKOT-5, NAWALPARASI, NEPAL**

District: Nawalparasi

Project: Construction of Market Centre

Location: Nawalparasi

Consultant: Bonafide Engineering and Consultancy Pvt. Ltd.

**Electrical Estimation - Block B**

| S.No. | Description of Works                                                                                                                                                                                                                                                                                                                                                                                                          | Quantity | Unit   | Rate              |                 | Amount            |                 | Remarks |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|-------------------|-----------------|-------------------|-----------------|---------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                               |          |        | <i>In Figures</i> | <i>In Words</i> | <i>In Figures</i> | <i>In Words</i> |         |
| 1     | <b>Concealed Wiring</b>                                                                                                                                                                                                                                                                                                                                                                                                       |          |        |                   |                 |                   |                 |         |
|       | Supply, Installation, Testing and Commissioning of point wiring from Distribution Board to junction boxes/switch box, from junction boxes to switches, light and power outlets, in suitable HDPE conduit with PVC insulated copper conductor recessed inside ground, concrete slab, wall, including necessary nails, saddle clamps, accessories, metal junction boxes, for following circuits , all complete as per drawings. |          |        |                   |                 |                   |                 |         |
| a     | Light points wiring from distribution boards to switch boxes and switch boxes to light fixtures with 2x 2.5sq mm + 1.5 sq mm PVC insulated copper wire through 20mm dia. HDPE conduit.                                                                                                                                                                                                                                        | 31       | Points |                   |                 |                   |                 |         |
| b     | 13 Amp 3 Pin Universal Power points and USB points wiring from distribution boards to 2 - 3 outlets per circuit with 2x4+1x2.5 sq mm PVC insulated copper wires through 25mm dia. HDPE conduit including all necessary materials for point wiring excluding power sockets.                                                                                                                                                    | 7        | Points |                   |                 |                   |                 |         |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                               |          |        |                   |                 |                   |                 |         |



| S.No. | Description of Works                                                                                                                                                                                                   | Quantity | Unit | Rate       |          | Amount     |          | Remarks |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------|----------|------------|----------|---------|
|       |                                                                                                                                                                                                                        |          |      | In Figures | In Words | In Figures | In Words |         |
| 2     | <b>Supply, Installation, Testing, and Commissioning of modular type Switch/Sockets including appropriate metal box size. All should be completed as per specification, drawings and instruction of the Consultant.</b> |          |      |            |          |            |          |         |
| a     | 13 Amp 3 Pin Universal Power Socket with safety shutter, modular switch and required modular face plate                                                                                                                | 7        | Sets |            |          |            |          |         |
| b     | 5 Gang 1 Way Modular Type Switch all complete                                                                                                                                                                          | 6        | Sets |            |          |            |          |         |
| c     | 2 Gang 1 Way Modular Type Switch all complete                                                                                                                                                                          | 3        | Sets |            |          |            |          |         |
| d     | 3 Gang 1 Way Modular Type Switch all complete                                                                                                                                                                          | 1        | Sets |            |          |            |          |         |
| f     | 1 Gang 2 Way Modular Type Switch all complete                                                                                                                                                                          | 2        | Sets |            |          |            |          |         |
| 3     | <b>Supply, Installation, Testing and Commissioning of Light Fixtures complete with lamps/tubes, LED driver including fixing materials all complete as per drawing.</b>                                                 |          |      |            |          |            |          |         |
| a     | 40 Watt Tube Light                                                                                                                                                                                                     | 6        | Sets |            |          |            |          |         |
| b     | 6 Watt Surface Mounted Downlight                                                                                                                                                                                       | 25       | Sets |            |          |            |          |         |
| 5     | <b>Distribution Board</b>                                                                                                                                                                                              |          |      |            |          |            |          |         |
|       | Supply , Installation , Testing and Commissioning of Distribution Boards including all incoming, outgoing units with accessories following as per specification, drawings and instruction of the Consultant.           |          |      |            |          |            |          |         |
| a     | <b>Ground Floor Distribution Board</b>                                                                                                                                                                                 | 1        | Set  |            |          |            |          |         |
|       | 1 no. 20 A FP MCB                                                                                                                                                                                                      |          |      |            |          |            |          |         |
|       | 5 nos. 6A SP MCB's                                                                                                                                                                                                     |          |      |            |          |            |          |         |
|       | 13 nos. 16A SP MCB's                                                                                                                                                                                                   |          |      |            |          |            |          |         |
|       | 1 nos. 20/30 Amp Earth Copper Bus Bar/ Terminals                                                                                                                                                                       |          |      |            |          |            |          |         |

| S.No.                                    | Description of Works                                                                                                                                   | Quantity | Unit | Rate              |                 | Amount            |                 | Remarks |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-------------------|-----------------|-------------------|-----------------|---------|
|                                          |                                                                                                                                                        |          |      | <i>In Figures</i> | <i>In Words</i> | <i>In Figures</i> | <i>In Words</i> |         |
| 6                                        | <b>Main Distribution Board</b>                                                                                                                         |          |      |                   |                 |                   |                 |         |
|                                          | Supply, Installation, Testing, Commissioning of Main Electrical Distribution Board (MDB) including incomer / outgoing Units including all accessories: | 1        | Set  |                   |                 |                   |                 |         |
|                                          | <b>Incoming Chamber</b>                                                                                                                                |          |      |                   |                 |                   |                 |         |
|                                          | 1 nos 32 Amp MCB                                                                                                                                       |          |      |                   |                 |                   |                 |         |
|                                          | 32 Amp Earth Copper BusBar/ Terminals                                                                                                                  |          |      |                   |                 |                   |                 |         |
|                                          | <b>Outgoing Chamber</b>                                                                                                                                |          |      |                   |                 |                   |                 |         |
|                                          | 3 nos. 20 Amp TPN MCB                                                                                                                                  |          |      |                   |                 |                   |                 |         |
| <b>Total Amount for Electrical Works</b> |                                                                                                                                                        |          |      | <i>In figures</i> |                 |                   |                 |         |
|                                          |                                                                                                                                                        |          |      | <i>In Words</i>   |                 |                   |                 |         |

**SAHAMATI NEPAL**  
**Gaindakot-5, Nawalparasi, Nepal**

District: Nawalparasi

Project: Construction of Market Centre

Location: Nawalparasi

Consultant: Bonafide Engineering and Consultancy Pvt. Ltd.

**Bill of Quantities - Septic Tank**

| S.N                        | Description of work                                                                                                                                                                                                                                                       | Quantity | Unit | Rate      |          | Amount    |          | Remarks |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----------|----------|-----------|----------|---------|
|                            |                                                                                                                                                                                                                                                                           |          |      | In Figure | In Words | In Figure | In Words |         |
| <b>A Septic Tank</b>       |                                                                                                                                                                                                                                                                           |          |      |           |          |           |          |         |
| <b>1 Excavation Work</b>   |                                                                                                                                                                                                                                                                           |          |      |           |          |           |          |         |
| 1.2                        | Earthwork in excavation in ordinary soils in foundation including 10m hauling distance and 1.5 m lift all complete                                                                                                                                                        | 50.93    | cu.m |           |          |           |          |         |
| <b>2 SOLING WORKS</b>      |                                                                                                                                                                                                                                                                           |          |      |           |          |           |          |         |
| 2.1                        | Flat Brick soling in foundation and floor including leveling, watering etc. all complete.                                                                                                                                                                                 | 18.74    | sq.m |           |          |           |          |         |
| <b>3 Masonry work</b>      |                                                                                                                                                                                                                                                                           |          |      |           |          |           |          |         |
| 3.1                        | Good quality local chimney made Brickwork in 1:6 C/S mortar up to ground floor in perfect line level finishe including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.                                                       | 10.90    | cu.m |           |          |           |          |         |
| <b>0 Grid A, H</b>         |                                                                                                                                                                                                                                                                           |          |      |           |          |           |          |         |
| 0                          | Plain cement Concrete (PCC) in M24 (1:2:4 ratio) for foundations, flooring and walls with approved quality of cement, sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer.                                    | 0.59     | cu.m |           |          |           |          |         |
| 0                          | Plain cement Concrete (PCC) for RCC work in M20 (1:1.5:3 ratio) for foundations, flooring and walls with machine used and approved quality of cement and sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer. | 0.93     | cu.m |           |          |           |          |         |
| <b>5 Upto Ground Floor</b> |                                                                                                                                                                                                                                                                           |          |      |           |          |           |          |         |
| 5.1                        | V1                                                                                                                                                                                                                                                                        | 0.11     | MT   |           |          |           |          |         |

|          |                                                                                                                                                       |              |             |                  |  |  |  |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|------------------|--|--|--|
| <b>6</b> | <b>0</b>                                                                                                                                              |              |             |                  |  |  |  |
| 6.1      | 20mm thick cement sand plaster in (1:4) ratio on wall of good finish including racking the joint, wetting of surfaces & curing the work all complete. | <b>46.26</b> | <b>sq.m</b> |                  |  |  |  |
| <b>7</b> | <b>0</b>                                                                                                                                              |              |             |                  |  |  |  |
| 7.1      | 3mm thick Cement Sand Punning                                                                                                                         | <b>5.44</b>  | <b>sq.m</b> |                  |  |  |  |
| <b>8</b> | <b>0</b>                                                                                                                                              |              |             |                  |  |  |  |
| 8.1      | Removable Metal Cover                                                                                                                                 | <b>3.00</b>  | <b>Nos</b>  |                  |  |  |  |
| 8.2      | Iron foot step                                                                                                                                        | <b>3.51</b>  | <b>Kg</b>   |                  |  |  |  |
|          |                                                                                                                                                       |              |             |                  |  |  |  |
| 9        | 3" PVC Pipe                                                                                                                                           | <b>2.74</b>  | <b>Rm</b>   |                  |  |  |  |
| 10       | 4" PVC Pipe                                                                                                                                           | <b>0.91</b>  | <b>Rm</b>   |                  |  |  |  |
|          |                                                                                                                                                       |              |             | <i>In Figure</i> |  |  |  |

**Total**

*In Words*

**SAHAMATI NEPAL**  
**Gaindakot-5, Nawalparasi, Nepal**

District: Nawalparasi

Project: Construction of Market Centre

Location: Nawalparasi

Consultant: Bonafide Engineering and Consultancy Pvt. Ltd.

**Bill of Quantities - Soak Pit**

| S.N                        | Description of work                                                                                                                                                                                                                    | Quantity | Unit | Rate             |          | Amount    |          | Remarks |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------------|----------|-----------|----------|---------|
|                            |                                                                                                                                                                                                                                        |          |      | In Figure        | In Words | In Figure | In Words |         |
| <b>A Septic Tank</b>       |                                                                                                                                                                                                                                        |          |      |                  |          |           |          |         |
| <b>1 Excavation Work</b>   |                                                                                                                                                                                                                                        |          |      |                  |          |           |          |         |
| 1.2                        | Earthwork in excavation in ordinary soils in foundation including 10m hauling distance and 1.5 m lift all complete                                                                                                                     | 12.68    | cu.m |                  |          |           |          |         |
| <b>2 SOLING WORKS</b>      |                                                                                                                                                                                                                                        |          |      |                  |          |           |          |         |
| 2.1                        | Flat Brick soling in foundation and floor including leveling, watering etc. all complete.                                                                                                                                              | 1.28     | sq.m |                  |          |           |          |         |
| 2.2                        | Sand Filling work inside soat pit                                                                                                                                                                                                      | 0.28     | cu.m |                  |          |           |          |         |
| <b>3 Masonry work</b>      |                                                                                                                                                                                                                                        |          |      |                  |          |           |          |         |
| 3.1                        | Good quality local chimney made Brickwork in 1:6 C/S mortar up to ground floor in perfect line level finishe including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.                    | 1.10     | cu.m |                  |          |           |          |         |
| 3.2                        | Honey Comb Brick work in 1:6 Cement sand mortar                                                                                                                                                                                        | 2.12     | cu.m |                  |          |           |          |         |
| <b>0 Grid A, H</b>         |                                                                                                                                                                                                                                        |          |      |                  |          |           |          |         |
| 0                          | Plain cement Concrete (PCC) in M24 (1:2:4 ratio) for foundations, flooring and walls with approved quality of cement, sand and crushed stone aggregate including mixing, laying, curing etc all complete in approval of site engineer. | 0.38     | cu.m |                  |          |           |          |         |
| <b>5 Upto Ground Floor</b> |                                                                                                                                                                                                                                        |          |      |                  |          |           |          |         |
| 5.1                        | V1                                                                                                                                                                                                                                     | 0.03     | MT   |                  |          |           |          |         |
| <b>6</b>                   |                                                                                                                                                                                                                                        |          |      |                  |          |           |          |         |
| 6.1                        | Removable Metal Cover                                                                                                                                                                                                                  | 1.00     | Nos  |                  |          |           |          |         |
| 7                          | 3" PVC Pipe                                                                                                                                                                                                                            | 0.86     | Rm   |                  |          |           |          |         |
|                            |                                                                                                                                                                                                                                        |          |      | <i>In Figure</i> |          |           |          |         |

**Total**

*In Words*

**SAHAMATI NEPAL**  
**GAINDAKOT-5, NAWALPARASI, NEPAL**

District: Nawalparasi

Project: Construction of Market Centre

Location: Nawalparasi

Consultant: Bonafide Engineering and Consultancy Pvt. Ltd.

**SANITARY ESTIMATION - Block A**

| S.N.       | Description                                                                                                                                                         | Quantity    | Unit       | Rate             |                 | Amount           |                 | Remarks |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|------------------|-----------------|------------------|-----------------|---------|
|            |                                                                                                                                                                     |             |            | <i>In Figure</i> | <i>In Words</i> | <i>In Figure</i> | <i>In Words</i> |         |
|            | <b>Sanitary Wares and Toilet Requisites</b>                                                                                                                         |             |            |                  |                 |                  |                 |         |
| <b>1</b>   | <b>ORISSA PAN</b>                                                                                                                                                   |             |            |                  |                 |                  |                 |         |
|            | 580 mm size Porcelain clay white glazed Orissa pan with low level glazed cistern complete set                                                                       | <b>2.00</b> | <b>set</b> |                  |                 |                  |                 |         |
| <b>2</b>   | <b>URINAL</b>                                                                                                                                                       |             |            |                  |                 |                  |                 |         |
| <b>2.1</b> | Supplying and fixing White glazed porcelain Urinal Partition 680mm x 300 mm (division plate) fittings as per specification and instruction of Engineer all complete | <b>2.00</b> | <b>set</b> |                  |                 |                  |                 |         |
| <b>2.2</b> | 68x30cm size White Glazed Urinal Partation with all complete set.                                                                                                   | <b>2.00</b> | <b>set</b> |                  |                 |                  |                 |         |
| <b>3</b>   | <b>COUNTER BASINS</b>                                                                                                                                               |             |            |                  |                 |                  |                 |         |
| <b>3.1</b> | Supplying and fixing (50X40)cm Porcelain clay white glaze Wash basin with pillar cock complete set.                                                                 | <b>2.00</b> | <b>No</b>  |                  |                 |                  |                 |         |
| <b>4</b>   | <b>Supplying and fixing as per specification and instruction of Engineer, all complete.</b>                                                                         |             |            |                  |                 |                  |                 |         |
| <b>4.1</b> | C.P. Fancy type heavy quality Soap Dish 150mm X 150mm size.                                                                                                         | <b>2.00</b> | <b>No</b>  |                  |                 |                  |                 |         |
| <b>4.2</b> | Looking mirror beveled edge 550 x 400 mm size with plastic frame and screw etc                                                                                      | <b>1.00</b> | <b>No</b>  |                  |                 |                  |                 |         |

| S.N.       | Description                                                                                                                                                                                                                                 | Quantity     | Unit      | Rate | Amount | Remarks |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|------|--------|---------|
|            | <b>METAL FITTINGS</b>                                                                                                                                                                                                                       |              |           |      |        |         |
| <b>5</b>   | <b>Cocks</b>                                                                                                                                                                                                                                |              |           |      |        |         |
|            | Supplying and fixing COCKS as per specification and instruction of Engineer, all complete.                                                                                                                                                  |              |           |      |        |         |
| <b>5.1</b> | <b>Bib cocks</b>                                                                                                                                                                                                                            |              |           |      |        |         |
|            | 15 mm dia. C.P. fancy type Bib-cock.                                                                                                                                                                                                        | <b>2.00</b>  | <b>No</b> |      |        |         |
| <b>5.2</b> | <b>Angle Valve</b>                                                                                                                                                                                                                          |              |           |      |        |         |
|            | 15 mm dia. C.P. fancy type Angle Valve                                                                                                                                                                                                      | <b>3.00</b>  | <b>No</b> |      |        |         |
|            | <b>Soil, Waste &amp; Vent and Rain Water Pipe work</b>                                                                                                                                                                                      |              |           |      |        |         |
| <b>6</b>   | <b>P. V. C. PIPE</b>                                                                                                                                                                                                                        |              |           |      |        |         |
|            | Supplying and laying P.V.C. PIPES( 6 kg/cm <sup>2</sup> ) with ball and socket arrangement , clamps and screws, all joints to be caulked with well terrel gaskin and Solvent as per specification and instruction of Engineer, all complete |              |           |      |        |         |
| <b>6.1</b> | 75 mm. dia. P.V .C Pipes.                                                                                                                                                                                                                   | <b>27.74</b> | r .m      |      |        |         |
| <b>6.2</b> | 110 mm. dia.P.V.C. Pipes                                                                                                                                                                                                                    | <b>21.34</b> | r.m.      |      |        |         |
| <b>6.3</b> | PVC Pipes Fittings                                                                                                                                                                                                                          |              |           |      |        |         |
| <b>7</b>   | <b>FLOOR TRAPS</b>                                                                                                                                                                                                                          |              |           |      |        |         |
| <b>7.1</b> | Supplying and fixing PVC Multi Floor traps as per specification and instruction of Engineer, all complete.                                                                                                                                  |              |           |      |        |         |
|            | 110 x 75 mm dia. Multi Floor Trap                                                                                                                                                                                                           | <b>2.00</b>  | <b>No</b> |      |        |         |

| S.N.                                                | Description                                                                                                                                                                                                                                                                                                                                | Quantity     | Unit       | Rate             | Amount | Remarks |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|------------------|--------|---------|
|                                                     | <b>Water Supply Works</b>                                                                                                                                                                                                                                                                                                                  |              |            |                  |        |         |
| <b>8</b>                                            | <b>CPVC Pipe</b>                                                                                                                                                                                                                                                                                                                           |              |            |                  |        |         |
|                                                     | Supplying and laying CPVC PIPES with Fittings specials (tees , bends etc. ) clamps, nails, etc. including Joint materials and where required as per specification and instruction of Engineer, all complete.                                                                                                                               |              |            |                  |        |         |
| <b>8.1</b>                                          | 20 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5 CTS, 22.5 kg/cm2 (flowguard or ISI Standard.)                                                                                                                                                                                                                                    | <b>21.34</b> | <b>r.m</b> |                  |        |         |
| <b>8.2</b>                                          | CPVC Pipes Fittings                                                                                                                                                                                                                                                                                                                        |              |            |                  |        |         |
| <b>9</b>                                            | <b>Gate Valves</b>                                                                                                                                                                                                                                                                                                                         |              |            |                  |        |         |
| <b>9.1</b>                                          | 15 mm dia. Gun metal Gate Valve full-way                                                                                                                                                                                                                                                                                                   | <b>3.00</b>  | No         |                  |        |         |
| <b>9.2</b>                                          | G.M. 25mm Float Valve                                                                                                                                                                                                                                                                                                                      | <b>1.00</b>  | No         |                  |        |         |
| <b>9.3</b>                                          | Drain Valve                                                                                                                                                                                                                                                                                                                                | <b>1.00</b>  | No         |                  |        |         |
| <b>10</b>                                           | <b>PVC WATER TANK</b>                                                                                                                                                                                                                                                                                                                      |              |            |                  |        |         |
|                                                     | Supplying and fixing Hilltake, Sintex Water Tank or its equivalent with inlet and out let holes overflow and clean out hole, Tank nipples with washout plugs ,G.I. Plug, ball-cock etc. including lifting and putting in position, connection to inlet and outlet pipes etc as per specification and instruction of Engineer all complete. |              |            |                  |        |         |
|                                                     | <b>1000 lit.</b> Capacity water tank.                                                                                                                                                                                                                                                                                                      | <b>1.00</b>  | <b>no</b>  |                  |        |         |
| <b>11</b>                                           | <b>2HP Electric motor Pump</b>                                                                                                                                                                                                                                                                                                             | <b>1.00</b>  | <b>Set</b> |                  |        |         |
|                                                     |                                                                                                                                                                                                                                                                                                                                            |              |            | <b>In Figure</b> |        | -       |
| <b>Total Amount for Sanitary Installation Works</b> |                                                                                                                                                                                                                                                                                                                                            |              |            | <b>In Words</b>  |        |         |



**SAHAMATI NEPAL**  
**GAINDAKOT-5, NAWALPARASI, NEPAL**

District: Nawalparasi  
Project: Construction of Market Centre  
Location: Nawalparasi  
Consultant: Bonafide Engineering and Consultancy Pvt. Ltd.

**SANITARY ESTIMATION - Block B**

| S.N.       | Description                                                                                         | Quantity    | Unit       | Rate             |                 | Amount           |                 | Remarks |
|------------|-----------------------------------------------------------------------------------------------------|-------------|------------|------------------|-----------------|------------------|-----------------|---------|
|            |                                                                                                     |             |            | <i>In Figure</i> | <i>In Words</i> | <i>In Figure</i> | <i>In Words</i> |         |
|            | <b>Sanitary Wares and Toilet Requisites</b>                                                         |             |            |                  |                 |                  |                 |         |
| <b>1</b>   | <b>ORISSA PAN</b>                                                                                   |             |            |                  |                 |                  |                 |         |
|            | 580 mm size Porcelain clay white glazed Orissa pan with low level glazed cistern complete set       | <b>3.00</b> | <b>set</b> |                  |                 |                  |                 |         |
| <b>3</b>   | <b>COUNTER BASINS</b>                                                                               |             |            |                  |                 |                  |                 |         |
| <b>3.1</b> | Supplying and fixing (50X40)cm Porcelain clay white glaze Wash basin with pillar cock complete set. | <b>2.00</b> | <b>No</b>  |                  |                 |                  |                 |         |
| <b>4</b>   | <b>Supplying and fixing as per specification and instruction of Engineer, all complete.</b>         |             |            |                  |                 |                  |                 |         |
| <b>4.1</b> | C.P. Fancy type heavy quality Soap Dish 150mm X 150mm size.                                         | <b>2.00</b> | <b>No</b>  |                  |                 |                  |                 |         |
| <b>4.2</b> | <b>Looking mirror</b> beveled edge 550 x 400 mm size with plastic frame and screw etc               | <b>2.00</b> | <b>No</b>  |                  |                 |                  |                 |         |
|            | <b>METAL FITTINGS</b>                                                                               |             |            |                  |                 |                  |                 |         |
| <b>5</b>   | <b>Cocks</b>                                                                                        |             |            |                  |                 |                  |                 |         |
|            | Supplying and fixing COCKS as per specification and instruction of Engineer, all complete.          |             |            |                  |                 |                  |                 |         |
| <b>5.1</b> | <b>Bib cocks</b>                                                                                    |             |            |                  |                 |                  |                 |         |
|            | 15 mm dia. C.P. fancy type Bib-cock.                                                                | <b>3.00</b> | <b>No</b>  |                  |                 |                  |                 |         |
| <b>5.2</b> | <b>Angle Valve</b>                                                                                  |             |            |                  |                 |                  |                 |         |

| S.N.       | Description                                                                                                                                                                                                                                 | Quantity     | Unit | Rate             |                 | Amount           |                 | Remarks |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|------------------|-----------------|------------------|-----------------|---------|
|            |                                                                                                                                                                                                                                             |              |      | <i>In Figure</i> | <i>In Words</i> | <i>In Figure</i> | <i>In Words</i> |         |
|            | 15 mm dia. C.P. fancy type Angle Valve                                                                                                                                                                                                      | 4.00         | No   |                  |                 |                  |                 |         |
|            | <b>Soil, Waste &amp; Vent and Rain Water Pipe work</b>                                                                                                                                                                                      |              |      |                  |                 |                  |                 |         |
| <b>6</b>   | <b>P. V. C. PIPE</b>                                                                                                                                                                                                                        |              |      |                  |                 |                  |                 |         |
|            | Supplying and laying P.V.C. PIPES( 6 kg/cm <sup>2</sup> ) with ball and socket arrangement , clamps and screws, all joints to be caulked with well terrel gaskin and Solvent as per specification and instruction of Engineer, all complete |              |      |                  |                 |                  |                 |         |
| <b>6.1</b> | 75 mm. dia. P.V .C Pipes.                                                                                                                                                                                                                   | <b>25.61</b> | r .m |                  |                 |                  |                 |         |
| <b>6.2</b> | 110 mm. dia.P.V.C. Pipes                                                                                                                                                                                                                    | <b>23.48</b> | r.m. |                  |                 |                  |                 |         |
| <b>6.3</b> | PVC Pipes Fittings                                                                                                                                                                                                                          |              |      |                  |                 |                  |                 |         |
| <b>7</b>   | <b>FLOOR TRAPS</b>                                                                                                                                                                                                                          |              |      |                  |                 |                  |                 |         |
| <b>7.1</b> | Supplying and fixing PVC Multi Floor traps as per specification and instruction of Engineer, all complete.                                                                                                                                  |              |      |                  |                 |                  |                 |         |
|            | 110 x 75 mm dia. Multi Floor Trap                                                                                                                                                                                                           | <b>2.00</b>  | No   |                  |                 |                  |                 |         |
|            | <b>Water Supply Works</b>                                                                                                                                                                                                                   |              |      |                  |                 |                  |                 |         |
| <b>8</b>   | <b>CPVC Pipe</b>                                                                                                                                                                                                                            |              |      |                  |                 |                  |                 |         |
|            | Supplying and laying CPVC PIPES with Fittings specials (tees , bends etc. ) clamps, nails, etc. including Joint materials and where required as per specification and instruction of Engineer, all complete.                                |              |      |                  |                 |                  |                 |         |
| <b>8.1</b> | 20 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5 CTS, 22.5 kg/cm <sup>2</sup> (flowguard or ISI Standard.)                                                                                                                         | <b>25.61</b> | r.m  |                  |                 |                  |                 |         |

| S.N.                                                | Description                                                                                                                                                                                                                                                                                                                                | Quantity    | Unit       | Rate             |                  | Amount           |                 | Remarks |   |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|------------------|------------------|------------------|-----------------|---------|---|
|                                                     |                                                                                                                                                                                                                                                                                                                                            |             |            | <i>In Figure</i> | <i>In Words</i>  | <i>In Figure</i> | <i>In Words</i> |         |   |
| 8.2                                                 | CPVC Pipes Fittings                                                                                                                                                                                                                                                                                                                        |             |            |                  |                  |                  |                 |         |   |
| <b>9</b>                                            | <b><u>Gate Valves</u></b>                                                                                                                                                                                                                                                                                                                  |             |            |                  |                  |                  |                 |         |   |
| 9.1                                                 | 15 mm dia. Gun metal Gate Valve full-way                                                                                                                                                                                                                                                                                                   | 3.00        | No         |                  |                  |                  |                 |         |   |
| 9.2                                                 | G.M. 25mm Float Valve                                                                                                                                                                                                                                                                                                                      | 1.00        | No         |                  |                  |                  |                 |         |   |
| 9.3                                                 | Drain Valve                                                                                                                                                                                                                                                                                                                                | 1.00        | No         |                  |                  |                  |                 |         |   |
| <b>10</b>                                           | <b>PVC WATER TANK</b>                                                                                                                                                                                                                                                                                                                      |             |            |                  |                  |                  |                 |         |   |
|                                                     | Supplying and fixing Hilltake, Sintex Water Tank or its equivalent with inlet and out let holes overflow and clean out hole, Tank nipples with washout plugs ,G.I. Plug, ball-cock etc. including lifting and putting in position, connection to inlet and outlet pipes etc as per specification and instruction of Engineer all complete. |             |            |                  |                  |                  |                 |         |   |
|                                                     | <b>1000 lit.</b> Capacity water tank.                                                                                                                                                                                                                                                                                                      | <b>1.00</b> | <b>no</b>  |                  |                  |                  |                 |         |   |
| <b>11</b>                                           | <b>2HP Electric motor Pump</b>                                                                                                                                                                                                                                                                                                             | <b>1.00</b> | <b>Set</b> |                  |                  |                  |                 |         |   |
| <b>Total Amount for Sanitary Installation Works</b> |                                                                                                                                                                                                                                                                                                                                            |             |            |                  | <i>In Figure</i> |                  |                 |         |   |
|                                                     |                                                                                                                                                                                                                                                                                                                                            |             |            |                  | <i>In Words</i>  |                  |                 |         | - |