

Detailed Estimate

OD/345/3284/115770/419928/00102665 : Mordenization and Expansion of Balbatika Nagoan B Primary School
Block : Agalpur, Gram Panchayat : Nagaon(B)
Created By:Shivananda Pandia

| 1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift | | | | | | | | |
|--|-------------|-------|--------|-------|-------------------------------|-------|-----------------------------------|-----------|
| Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | step | 1.000 | 5.000 | 3.000 | 1.000 | 0.000 | 15.000 | - |
| ii | front wall | 1.000 | 10.000 | 1.250 | 1.500 | 0.000 | 18.750 | - |
| Total Quantity | | | | | 33.75 Cft (Cubic Foot) | | 0.955692 Cum (Cubic Meter) | |
| Amount | | | | | 0.955692 X 240.77592 | | 230.11 | |
| 2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed | | | | | | | | |
| Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge. | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | step | 1.000 | 5.000 | 3.000 | 0.500 | 0.000 | 7.500 | - |
| ii | front wall | 1.000 | 10.000 | 1.250 | 0.500 | 0.000 | 6.250 | - |
| Total Quantity | | | | | 13.75 Cft (Cubic Foot) | | 0.389356 Cum (Cubic Meter) | |
| Amount | | | | | 0.389356 X 589.338232 | | 229.46 | |
| 3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal | | | | | | | | |
| Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | step | 1.000 | 5.000 | 3.000 | 0.500 | 0.000 | 7.500 | - |

| | | | | | | | | |
|----------------|------------|-------|--------|-------|-----------------------------|-------|----------------------------|---|
| ii | front wall | 1.000 | 10.000 | 1.250 | 0.500 | 0.000 | 6.250 | - |
| Total Quantity | | | | | 13.75 Cft (Cubic Foot) | | 0.389356 Cum (Cubic Meter) | |
| Amount | | | | | 0.389356 X 5063.31808826 | | 1971.43 | |

4. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|--------|-------|------------------------------|-------|----------------------------|-----------|
| i | wall | 1.000 | 10.000 | 0.750 | 1.500 | 0.000 | 11.250 | - |
| ii | step | 1.000 | 5.000 | 3.000 | 1.000 | 0.000 | 15.000 | - |
| iii | step | 1.000 | 5.000 | 2.000 | 1.000 | 0.000 | 10.000 | - |
| iv | step | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 5.000 | - |
| Total Quantity | | | | | 41.25 Cft (Cubic Foot) | | 1.168068 Cum (Cubic Meter) | |
| Amount | | | | | 1.168068 X 4883.865743168 | | 5704.69 | |

5. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|--------------|-------|--------|-------|------------------------------|-------|----------------------------|-----------|
| i | varanda wall | 1.000 | 10.000 | 0.750 | 1.000 | 0.000 | 7.500 | - |
| Total Quantity | | | | | 7.5 Cft (Cubic Foot) | | 0.212376 Cum (Cubic Meter) | |
| Amount | | | | | 0.212376 X 4917.195743168 | | 1044.29 | |

6. R.C.C. Work (AR0404Ad) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|---------------|-------|--------|-------|--------------------------------|-------|-----------------------------|-----------|
| i | wall beam l/w | 2.000 | 21.750 | 0.750 | 0.750 | 0.000 | 24.469 | - |
| ii | wall beam | 3.000 | 15.000 | 0.750 | 0.750 | 0.000 | 25.313 | - |
| Total Quantity | | | | | 49.78125 Cft (Cubic Foot) | | 1.4096457 Cum (Cubic Meter) | |
| Amount | | | | | 1.4096457 X 12206.197781817 | | 17206.41 | |

7. R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|--------|--------|---------------------------------|-------|------------------------------|-----------|
| i | roof slab | 1.000 | 22.750 | 17.500 | 0.420 | 0.000 | 167.212 | - |
| Total Quantity | | | | | 167.2125 Cft (Cubic Foot) | | 4.73492292 Cum (Cubic Meter) | |
| Amount | | | | | 4.73492292 X 11843.797957677 | | 56079.47 | |

8. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position

Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|-------|-------|----------------------|-------|----------------------|-----------|
| i | m.s rod | 1.000 | 6.130 | 1.000 | 0.700 | 0.000 | 4.291 | - |
| Total Quantity | | | | | 4.291 Qntl (Quintal) | | 4.291 Qntl (Quintal) | |
| Amount | | | | | 4.291 X 8408.3256995 | | 36080.13 | |

9. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction | |
|----------------|--------------|-------|--------|--------|-------|-------|----------------------------------|---------------------------------|--|
| i | outside l/w | 1.000 | 21.750 | 11.000 | 0.000 | 0.000 | 239.250 | - | |
| ii | | 1.000 | 21.750 | 2.000 | 0.000 | 0.000 | 43.500 | - | |
| iii | out side s/w | 2.000 | 16.500 | 11.000 | 0.000 | 0.000 | 363.000 | - | |
| iv | | 1.000 | 16.500 | 3.250 | 0.000 | 0.000 | 53.625 | - | |
| v | door | 1.000 | 3.500 | 7.000 | 0.000 | 0.000 | - | 24.500 | |
| vi | window | 2.000 | 3.500 | 4.000 | 0.000 | 0.000 | - | 28.000 | |
| Total Quantity | | | | | | | 646.875 Sft (Square Foot) | 60.096628125 Sqm (Square Meter) | |
| Amount | | | | | | | 60.096628125 X 165.9188150652 | 9971.16 | |

10. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.

16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction | |
|----------------|-------------|-------|--------|--------|-------|-------|------------------------------|------------------------------|--|
| i | inside | 2.000 | 14.000 | 11.000 | 0.000 | 0.000 | 308.000 | - | |
| ii | | 2.000 | 15.000 | 11.000 | 0.000 | 0.000 | 330.000 | - | |
| iii | | 2.000 | 5.500 | 3.250 | 0.000 | 0.000 | 35.750 | - | |
| iv | | 1.000 | 15.000 | 3.250 | 0.000 | 0.000 | 48.750 | - | |
| v | door | 1.000 | 3.500 | 7.000 | 0.000 | 0.000 | - | 24.500 | |
| vi | window | 3.000 | 3.500 | 4.000 | 0.000 | 0.000 | - | 42.000 | |
| Total Quantity | | | | | | | 656 Sft (Square Foot) | 60.944368 Sqm (Square Meter) | |
| Amount | | | | | | | 60.944368 X 239.382174742 | 14589.00 | |

11. Other Building Items. (AR1902) : cement based wall putty (water based)

Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|--------|--------|------------------------|-------|------------------------------|-----------|
| i | hall inside | 2.000 | 15.000 | 11.000 | 0.000 | 0.000 | 330.000 | - |
| ii | | 2.000 | 14.000 | 11.000 | 0.000 | 0.000 | 308.000 | - |
| iii | | 1.000 | 15.000 | 11.000 | 0.000 | 0.000 | 165.000 | - |
| iv | | 1.000 | 15.000 | 3.250 | 0.000 | 0.000 | 48.750 | - |
| v | | 2.000 | 5.500 | 3.250 | 0.000 | 0.000 | 35.750 | - |
| vi | ceiling | 1.000 | 14.000 | 15.000 | 0.000 | 0.000 | 210.000 | - |
| vii | varanda | 1.000 | 15.000 | 5.500 | 0.000 | 0.000 | 82.500 | - |
| viii | door | 1.000 | 4.000 | 7.000 | 0.000 | 0.000 | - | 28.000 |
| ix | window | 3.000 | 3.500 | 4.000 | 0.000 | 0.000 | - | 42.000 |
| Total Quantity | | | | | 1110 Sft (Square Foot) | | 103.12233 Sqm (Square Meter) | |
| Amount | | | | | 103.12233 X 79.21834 | | 8169.18 | |

12. Painting (AR0920a) : Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work (Inside)

Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|-------|-------------|-------|--------|--------|-------|-------|----------|-----------|
| i | hall inside | 2.000 | 15.000 | 11.000 | 0.000 | 0.000 | 330.000 | - |
| ii | | 2.000 | 14.000 | 11.000 | 0.000 | 0.000 | 308.000 | - |
| iii | | 1.000 | 15.000 | 11.000 | 0.000 | 0.000 | 165.000 | - |
| iv | | 1.000 | 15.000 | 3.250 | 0.000 | 0.000 | 48.750 | - |
| v | | 2.000 | 5.500 | 3.250 | 0.000 | 0.000 | 35.750 | - |
| vi | ceiling | 1.000 | 14.000 | 15.000 | 0.000 | 0.000 | 210.000 | - |

| | | | | | | | | |
|----------------|---------|-------|--------|-------|--------------------------------|-------|------------------------------|--------|
| vii | varanda | 1.000 | 15.000 | 5.500 | 0.000 | 0.000 | 82.500 | - |
| viii | door | 1.000 | 4.000 | 7.000 | 0.000 | 0.000 | - | 28.000 |
| ix | window | 3.000 | 3.500 | 4.000 | 0.000 | 0.000 | - | 42.000 |
| Total Quantity | | | | | 1110 Sft (Square Foot) | | 103.12233 Sqm (Square Meter) | |
| Amount | | | | | 103.12233 X 163.74043271701 | | 16885.29 | |

13. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer

Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|--------------|-------|--------|--------|-----------------------------------|-------|---------------------------------|-----------|
| i | outside l/w | 1.000 | 21.750 | 11.000 | 0.000 | 0.000 | 239.250 | - |
| ii | | 1.000 | 21.750 | 2.000 | 0.000 | 0.000 | 43.500 | - |
| iii | out side s/w | 1.000 | 16.500 | 11.000 | 0.000 | 0.000 | 181.500 | - |
| iv | | 1.000 | 16.500 | 3.250 | 0.000 | 0.000 | 53.625 | - |
| v | door | 1.000 | 3.500 | 7.000 | 0.000 | 0.000 | - | 24.500 |
| vi | window | 2.000 | 3.500 | 4.000 | 0.000 | 0.000 | - | 28.000 |
| Total Quantity | | | | | 465.375 Sft (Square Foot) | | 43.234733625 Sqm (Square Meter) | |
| Amount | | | | | 43.234733625 X 160.71529806685 | | 6948.48 | |

14. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|-------|-------------|-------|--------|--------|-------|-------|----------|-----------|
| i | hall inside | 1.000 | 14.000 | 15.000 | 0.000 | 0.000 | 210.000 | - |
| ii | varanda | 1.000 | 5.500 | 16.500 | 0.000 | 0.000 | 90.750 | - |
| iii | door sill | 1.000 | 4.000 | 0.750 | 0.000 | 0.000 | 3.000 | - |

| | | | | | | | | |
|----------------|------|-------|-------|-------|---------------------------------|-------|--------------------------------|---|
| iv | step | 3.000 | 5.000 | 1.000 | 0.000 | 0.000 | 15.000 | - |
| Total Quantity | | | | | 318.75 Sft (Square Foot) | | 29.61283125 Sqm (Square Meter) | |
| Amount | | | | | 29.61283125 X 995.7590644986 | | 29487.25 | |

15. Other Building Items. (AR1907) : aluminum sliding window (sliding type)

Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778, as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|-------|-------|-------------------------------|-------|-----------------------------|-----------|
| i | window | 3.000 | 3.500 | 4.000 | 0.000 | 0.000 | 42.000 | - |
| Total Quantity | | | | | 42 Sft (Square Foot) | | 3.901926 Sqm (Square Meter) | |
| Amount | | | | | 3.901926 X 4152.7950064027 | | 16203.90 | |

16. Other Building Items. (AR1909) : Al. door with OEL anodized Al. door section of 9202 as vertical member

Providing fitting, fixing of Al. door with OEL anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member and 12mm thick pre-laminated board fixed on door frame by means of tapered clip No. 4660 and the frame to be completed by means of jointing angle No.1855 including all cost of labour, T&P, hire charges of drilling machine, labour charges etc. complete. and as per direction of Engineer in Charge

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|-------|-------|--------------------------------|-------|------------------------------|-----------|
| i | door | 1.000 | 3.500 | 7.000 | 0.000 | 0.000 | 24.500 | - |
| Total Quantity | | | | | 24.5 Sft (Square Foot) | | 2.2761235 Sqm (Square Meter) | |
| Amount | | | | | 2.2761235 X 6754.6533798472 | | 15374.43 | |

Total Amount (A) : 236174.68

Additional Components

| # | Item Name | Remark | Amount (in Rs.) |
|---|----------------------------------|--------|-----------------|
| 1 | Provision for EI Work @ Rs.21500 | - | 21500 |

| | | | |
|---|-------------------------------------|---|---------------|
| 2 | Provision for Contingency @ Rs.5000 | - | 5000 |
| 3 | Display Citizen Board @ Rs.5000 | - | 5000 |
| 4 | Any Other Lumpsum @ Rs.232320 | wall art, table ,chair,synthetic mate ,plantation etc.. | 232320 |
| Additional Components Amount (F) : | | | 263820 |

| | | | |
|-------------------------------------|--|--|------------------------|
| Grand Total Amount (A + F) : | | | 499994.67889047 |
|-------------------------------------|--|--|------------------------|

Shivananda Pandia
JE
Agalpur Block

SAMBIT KUMAR BISWAL
AEE
Agalpur Block

Mohapatra Kuldeep Mohanty
BDO
Agalpur Block