

BILL OF QUANTITY

Construction Addl. Class room at Govt. High School, Balibo under Balibo GP of Bhuban Block

Sl. No	Item of Work	Unit	Quantity	Rate	Amount
1	Earth work excavation in foundation trenches in hard soil including dressing and levelling the bed up to required depth and depositing the excavated materials at places away from work site within 50mtr initial lead and 1.5mtr initial lifts T&P shoring shuttering dewatering if required etc. complete as per direction of the Engineer-in-charge.	Cum	56.570	276.90	15664.23
2	Supplying filling in foundation and plinth with sand in layers not exceeding 150mm thick including watering, ramming including cost, conveyance, royalty and taxes of all materials, all labour T&P required for the work etc. complete (measurement will be taken on finished compacted section only) etc. complete as per direction of the Engineer-in-charge.	Cum	23.300	808.80	18845.04
3	Earth work in refilling with selected excavated materials and laying in layers not more than 22.50 cm in depth including dressing and breaking clods, including watering, ramming and compacting with all leads, lifts and delifts including labour, cess, T&P and all cost incidental to the work etc. complete as per the direction of the Engineer-in-Charge.	Sqm	18.860	153.80	2900.67
4	Cement concrete of proportion (1:3:6) in foundation and floors using 40mm nominal size clean hard black cursher broken granite metal of approved quality from approved quarry including lowering laying concrete in layers not exceeding 15cm thick to the required level with compacting, watering curing etc. complete including cost conveyance royalty taxes of all materials and all labour T&P required for the work etc. complete as per direction of the Engineer-in-charge.	Cum	16.416	5768.50	94695.70
5	Fly Ash brick masonry using Fly Ash brick of size 25cm x 12cm x 8cm having crushing strength not less than 75kg/cm ² in cement mortar of (1:6) after immersing the bricks for six hours in water before use in Foundation & Plinth including splays cutting circular moulding corbelling champhering and similar such type of work watering and curing including cost conveyance royalty taxes of all materials and cost of all labour with T&P required for the work etc. complete as per direction of the Engineer-in-charge.	Cum	13.024	5601.30	72951.33

Sl. No	Item of Work	Unit	Quantity	Rate	Amount
6	Providing RCC work of M-20 in all floors having a minimum compressive strength (in work test) 200 kg/cm ² in 15cm cubes at 28 days after mixing and tests conducted in accordance with IS 456 and IS 516 using 10mm size to 20mm size black hard crusher broken granite stone chips (10mm size 40% & 20mm size 60%) of approved quality & from approved quarry including hoisting lowering laying and compacting concrete and finishing the exposed surface smooth providing grooves or beads where necessary and providing required No. of fan hooks as required including cost, conveyance, royalties and taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respect but excluding cost of MS rod / Tor steel and binding wire and labour charges for bending binding and tying the grills etc. complete as per direction of the Engineer-in-charge.	Cum	35.280	5521.50	194798.52
7	Providing Rigid and smooth centering and shuttering for R.C.C works, supply of shutter plates and all other materials, T&P, labour and transportation of shuttering materials by mechanical/ manual means, dismantling & removing of form work, making good to the surface where ever necessary and finishing complete with all cost for mobilization and demobilization, with all incidental costs, royalty, cess, etc. with all leads, lifts and de-lifts including all costs incidental to the work complete as per specification and direction of the Engineer-in-Charge. For R.C.C floors, roof slab, landings, balcony, chhaja, shunshed.	Sqm	106.545	762.10	81197.94
8	Providing Rigid and smooth centering and shuttering for R.C.C works, supply of shutter plates and all other materials, T&P, labour and transportation of shuttering materials by mechanical/ manual means, dismantling & removing of form work, making good to the surface where ever necessary and finishing complete with all cost for mobilization and demobilization, with all incidental costs, royalty, cess, etc. with all leads, lifts and de-lifts including all costs incidental to the work complete as per specification and direction of the Engineer-in-Charge. For R.C.C foundation, column base, mass concrete, plinth band.	Sqm	60.330	248.70	15004.07

Sl. No	Item of Work	Unit	Quantity	Rate	Amount
9	Providing Rigid and smooth centering and shuttering for R.C.C works, supply of shutter plates and all other materials, T&P, labour and transportation of shuttering materials by mechanical/ manual means, dismantling & removing of form work, making good to the surface where ever necessary and finishing complete with all cost for mobilization and demobilization, with all incidental costs, royalty, cess, etc. with all leads, lifts and de-lifts including all costs incidental to the work complete as per specification and direction of the Engineer-in-Charge. For R.C.C lintels :	Sqm	14.520	574.00	8334.48
10	Providing Rigid and smooth centering and shuttering for R.C.C works, supply of shutter plates and all other materials, T&P, labour and transportation of shuttering materials by mechanical/ manual means, dismantling & removing of form work, making good to the surface where ever necessary and finishing complete with all cost for mobilization and demobilization, with all incidental costs, royalty, cess, etc. with all leads, lifts and de-lifts including all costs incidental to the work complete as per specification and direction of the Engineer-in-Charge. For column & beams.	Sqm	131.200	1204.50	158030.40
11	Labour charges for straightening the coiled or bend up M.S. rod / HYSD bars confirming to Gr. Fe-500, cutting bending binding lapping placing welding etc. (Confirming to ISI specification) and jointing if necessary by lapping and tying the grills and placing in position as required for RCC work as per approved design hoisting lowering and laying in position including cost conveyance & taxes of M.S. rod / tor steel (Primary Producer like-SAIL/RINL/TATA/ JINDALSTEEL/ SHYAM STEEL) make) and binding wire of 18 to 20 gauge (as approved by the deptt.) weight of over lapping, coupling, welded joints, spacer bar, chair, stage, hanger and binding wires shall not be considered for payment at all. Standard co-efficient of different size of the steel shall be considered. Welding & lapping should be confirming to relevant clause of IRC 1987 etc. complete as per direction of the Engineer-in-charge.	Qtl	37.665	8286.60	312114.79
12	Fly Ash brick masonry using Fly Ash brick of size 25cmx12cmx8cm having crushing strength not less than 75kg/cm² in cement mortar of (1:6) after immersing the bricks for six hours in water before use in Superstructure including splays cutting circular moulding corbelling champhering and similar such type of work watering and curing including cost conveyance royalty taxes of all materials and cost of all labour with T&P required for the work in all floors etc. complete as per direction of the Engineer-in-charge.	Cum	25.584	5639.70	144286.08

Sl. No	Item of Work	Unit	Quantity	Rate	Amount
13	Providing and laying Cement concrete (1:2:4) with 12mm nominal size clean hard black cursher broken granitechips of approved quality from approved quarry including lowering laying concrete in layers to the required level ramming, compacting, watering curing etc. complete including cost conveyance royalty taxes of all materials and all labour T&P required for the work etc. complete as per direction of the Engineer-in-charge.	Sqm	0.674	7655.20	5159.60
14	Providing 16mm thick cement plaster in cement mortar (1:6) finished smooth to brick walls after racking out joints, scrapping & cleaning the surface & finishing the plaster surface smooth using wooden float only to proper plumbs & level and making necessary grooves, beads & drip course to give required ornamental finish as per drawing, watering, curing, scaffolding, screening sand etc. complete with cost, conveyances, royalties, taxes of all materials and cost of all labour with T&P, sundries required for the work etc. complete as per specification & direction of Engineer-in-charge.	Sqm	144.900	274.10	39717.09
15	Providing 12 mm thick cement plaster in cement mortar (1:6) finished smooth to brick walls after racking out joints, scrapping & cleaning the surface & finishing the plaster surface smooth using wooden float only to proper plumbs & level and making necessary grooves, beads & drip course to give required ornamental finish as per drawing, watering, curing, scaffolding, screening sand etc. complete with cost, conveyances, royalties, taxes of all materials and cost of all labour with T&P, sundries required for the work etc. complete as per specification & direction of Engineer-in-charge.	Sqm	143.760	189.90	27300.02
17	Supplying & Fixing Ceramic tiles in Dado, skirting on 12mm thick bed of cement mortar 1:3 (1cement : 3sand) jointed with neat cement slury mixed with pigment to match the colour and shade including the cost of materials, cost of all labour, conveyance, taxes, loading & unloading, T&P, watering and curing etc. complete as per the direction of the Engineer-in-Charge.	Sqm	14.491	1024.80	14850.38
18	Supplying, fitting and fixing of 60 cm x 60 cm special plain / printed series Vitrified wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753 in floors, treads, landing over 25 mm thick cement mortar (1:1) jointed with neat cement slurry mixed with colouring pigments to match the colour and shade including the cost of washing, cost of materials, cost of all labour, conveyance, taxes, loading & unloading, T&P, watering and curing etc. complete as per the direction of the Engineer-in-Charge.	Sqm	85.425	1139.10	97307.62

Sl. No	Item of Work	Unit	Quantity	Rate	Amount
20	Wall Priming one coats on new work with wall water bound primer of approved shade by means of brush to outside surface of walls in all floors with cost, carriage and all taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respect as per direction of the Engineer – in – Charge.	Sqm	392.685	81.60	32043.10
21	Wall painting two coats on new work with Weather Coat (I.S.I.) paint of approved shade by means of brush to outside surface of walls in all floors with cost, carriage and all taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respect as per direction of the Engineer – in – Charge.	Sqm	151.190	94.80	14332.81
22	Wall painting two coats on new work with Distemper of approved shade by means of brush to inside surface of walls in all floors with cost, carriage and all taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respect as per direction of the Engineer – in – Charge.	Sqm	229.185	87.90	20145.36
23	Supplying and fixing of M.S. panelled door double leaved shutter with MS frame as per approved design and drawing made out of MS flat and MS angle at work site with one coat of anticorrosive red oxide zink chrome primer including cutting holes in brick or RCC walls and fixing with CC (1:3:6) including cost conveyance royalty and taxes of all materials all labour T&P required for the work complete (payment will be made on weight basis only)(In all floors) etc. complete as per direction of the Engineer-in-charge.	Kg	160.520	162.50	26084.50
24	Supplying and fixing of M.S. window double leaf shutter with grill as per approved design and drawing made out of MS flat and MS angle at work site with one coat of anticorrosive red oxide zink chrome primer including cutting holes in brick or RCC walls and fixing with CC (1:3:6) including cost conveyance royalty and taxes of all materials all labour T&P required for the work complete (payment will be made on weight basis only)(In all floors) etc. complete as per direction of the Engineer-in-charge.	Kg	379.510	162.50	61670.38
26	Priming one coat with Red oxide primer of approved quality and shade by making the surface smooth and even to receive painting including cost of scaffolding staging charges including cleaning the surface with sand papering, including cost conveyance taxes of all materials all labour T&P etc. complete as directed by the Engineer in charge.	Sqm	43.875	75.40	3308.18

Sl. No	Item of Work	Unit	Quantity	Rate	Amount
27	Enamel Painting two coats with enamel paint of approved quality and shade by making the surface smooth and even to receive painting including cost of scaffolding staging charges including cleaning the surface with sand papering, including cost conveyance taxes of all materials all labour T&P etc. complete as directed by the Engineer in charge.	Sqm	43.875	185.00	8116.88
		Total :		808.77	1468859.17

Say Rs. 1468859.00

J.E / A.E
Bhuban Block

Assistant Executive Engineer
Bhuban Block

Block Development Officer
Bhuban Block