

BILL OF QUANTITY
Construction of Hostel Superintendent Quarters (One) in Maa Charchika G.P High School, Kantapala under Kantapala G.P of Kankadahada
Block

Sl. No	Item of Work	Unit	Quantity			Rate	Amount
			Building	Septic Tank	Total Qty		
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	53.330	9.190	62.520	276.90	17311.79
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	23.130	0.530	23.660	1151.20	27237.39
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	17.780	-	17.780	153.80	2734.56
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	11.749	0.788	12.537	6661.80	83518.99
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 chamfering 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	13.849	3.485	17.334	5852.70	101450.70

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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	24.053	0.814	24.867	6063.10	150771.11
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	65.680	4.350	70.030	762.10	53369.89
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	43.055	-	43.055	248.70	10707.78

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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	14.310	-	14.310	574.00	8213.94
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	84.572	-	84.572	1204.50	101859.97
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 lapping 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/JINDAL/SHYAM STEEL) 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.	Qll	24.310	0.733	25.043	8306.50	208019.68
12	Fly Ash brick masonry using Fly Ash brick of size 25cmx12cmx8cm 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 Superstructure including spiays 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	23.073	-	23.073	5891.10	135925.35

No	Item of Work	Unit	Quantity			Rate	Amount
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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	0.644	0.240	0.884	8196.80	7245.97
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	106.502	-	106.502	280.30	29852.51
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	168.120	-	168.120	195.00	32783.40
16	Providing 12 mm thick cement plaster over brick masonry with punning in CM (1 : 4) 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	-	12.240	12.240	214.40	2624.26

NO	Item of Work	Unit	Quantity			Rate	Amount
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17	Supplying & Fixing Ceramic tiles in floors treads or steps and landing on 25mm thick bed of cement mortar 1:1 (1cement : 1sand) jointed with neat cement slurry mixed with pigment to match the colour and shade including the cost of washing, polishing, 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	9.863	-	9.863	985.80	9722.95
18	Supplying, fitting and fixing of 30 cm x 20 cm / 20 cm x 20 cm special plain / printed series Ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm conforming to IS 13753 in dados, skirting and risers of steps over 12 mm thick cement mortar (1:3) jointed with neat cement slurry mixed with colouring pigments to match the colour and shade including the cost of washing, polishing, 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	21.915	-	21.915	1091.30	23915.84
19	Providing 2.5cm. thick A.S.Flooring with C.C.1:2:4 using 12mm size nominal size clean hard black cursher broken granite chips of approved quality from approved quarry including punning, including lowering laying concrete to the required thickness, level ramming, 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	42.037	-	42.037	423.20	17790.06
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	343.857	-	343.857	81.60	28058.73
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	119.627	-	119.627	94.80	11340.64
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	224.230	-	224.230	87.90	19709.82

No	Item of Work	Unit	Quantity			Rate	Amount
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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	308.700	-	308.700	150.36	46416.13
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	141.300	-	141.300	150.36	21245.87
25	Providing, fitting, fixing M.S 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	21.600	-	21.600	82.70	1786.32
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	56.120	-	56.120	75.40	4231.45
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	56.120	-	56.120	185.00	10382.20

No	Item of Work	Unit	Quantity			Rate	Amount
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28	Providing, fitting, fixing of PVC doors as per approved design and drawing made out of approved grade materials 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 (In all floors) etc. complete as per direction of the Engineer-in-charge.	Sqrm	1.575	-	1.575	2500.00	3937.50
Total :							1172171.77
						Say Rs.	1172172.00

Rupees Eleven Lakh Seventy Two Thousand One Hundred Seventy Two only


J E / A E
Kankadahanad Block


Assistant Executive Engineer
Kankadahanad Block


Block Development Officer
Kankadahanad Block