

### Bill of Quantity

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<b>NAME OF THE WORK : Const of Additional class room,E-Library,ICT Lab,Toilet, Drinking water facility , Science Lab Room&amp;Boundary Wall at Grama Mangala High School ,Baulamala-Kaunrikala, for 2022-23 under DMF</b>		Estimated cost		:- Rs. 8950000	
		Amount put to tender		:- Rs.7006103.00	
		Class of Contractor		:- B	
		Cost of Tender Paper		:- Rs. 6000.00	
		Earnest money Deposite 1%		Rs.70061.00	
		Time of completion		:- 8 (Eight) Months	
SL No.	Description of Items	Unit	Quantity	Rate	Amount
1	2	3	4	5	6
1	Earthwork in excavation of foundation in hard soil or gravelly soil except sheet rock requiring blasting to proper profile with all leads, lifts and delifts to proper section and profile including dressing and levelling the bed upto required depth and making it fit for laying concrete and depositing the excavated materials away from the work site with all leads and lifts including dewatering if necessary from foundation complete as directed by Engineer-in-Charge.	One Cubic Meter	323.16	193.45	62515.30
2	Filling in foundation and plinth with sand, watered and rammed including cost, conveyance & royalty of materials with labour and T&P required for the work.	One Cubic Meter	331.77	696.05	230928.51
3	Cement concrete of proportion (1:3:6) with 40mm & down graded size hand broken H.G. metal for foundation concrete approved quality from approved quarry including hoisting, lowering and laying concrete to the required level ramming, watering, curing etc. complete including cost, conveyance & royalty of materials with all labour charges.	One Cubic Meter	93.29	4574.10	426717.79
4	Cement Concrete (1:2:4) with 12 mm size broken hard granite chips for R.C.C. works including hoisting and laying per 1 cum.	One Cubic Meter	4.32	5916.30	25558.42
5	Brick work with Fly Ash Bricks in cement mortar (1:6) in F & P of size 9"x5"x3" having crushing strength not less than 75 kg/cm <sup>2</sup> with dimensional tolerance $\pm$ 8% including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance & royalty of materials with labour charges etc complete in all respect.	One Cubic Meter	105.60	4167.20	440056.32
6	Brick work with Fly Ash Bricks in cement mortar (1:6) in <b>Superstructure</b> of size 9"x5"x3" having crushing strength not less than 75 kg/cm <sup>2</sup> with dimensional tolerance $\pm$ 8% including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance & royalty of materials with labour charges etc complete in all respect.	One Cubic Meter	128.12	4205.11	538758.69
7	Fly ash Brick Massonry(1:6) in 1st floor for parapet wall including all cost,etc complete.	One Cubic Meter	15.89	4475.65	71118.08

8	RCC M-20 work with cement concrete with crushed granite 20mm down grade course aggregate of approved quality mixing by concrete mixer including hoisting, lowering and laying the concrete in position to proper slope and level and compacting by Vibrators in layers not exceeding 0.15m depth including watering, curing for required period 28 days, centering & shuttering and finishing exposed surface smooth providing grooves wherever necessary including cost, conveyance, royalty and				
a	Column Base	One Cubic Meter	39.94	4908.09	196029.11
b	Plinth Beam	One Cubic Meter	20.64	4753.43	98110.80
c	Column & Beam	One Cubic Meter	40.86	10705.67	437433.68
d	(C-2 Column for 1st floor	One Cubic Meter	1.87	11981.60	22405.59
e	Lintal Band	One Cubic Meter	10.12	8499.83	86018.28
f	Chhaja	One Square Meter	43.87	774.10	33959.77
g	Slab	One Cubic Meter	66.06	9089.93	600480.78
9	Straightening bent up or coiled M.S. rod or HYSD steel (Fe- 415), cutting, bending, cracking, hooking, welding or jointing (if required), the M.S rod or HYSD steel and binding, tying the grills, hoisting, lowering and placing in proper position as required for RCC works including cost, conveyance and taxes of M.S. rod or HYSD steel and binding wires of 18 to 20 gauge and labour charges required for the work etc complete.	One Quintal	179.89	8639.03	1554075.11
10	16mm (5/8") thick cement plaster (1:6) finishing smooth to inside rough surface of 9"/10" thick brick walls after racking out the joint including watering and curing with cost, conveyance, royalties and taxes of all materials and cost of all labour charges required for the work etc complete.	One Square Meter	900.48	204.60	184238.21
11	16mm (5/8") thick cement plaster (1:6) in 1st floor	One Square Meter	164.66	212.90	35056.11
12	12mm thick cement plaster (1:6) finishing smooth to Outside rough surface of 9"/10" thick brick walls after racking out the joint including watering and curing with cost, conveyance, royalties and taxes of all materials and cost of all labour charges required for the work etc complete.	One Square Meter	551.67	143.70	79274.98
13	6 mm thick cement plaster in cement mortar (1:4) to RCC surface finished smooth including deep chipping and slury treatment including punning including cost, conveyance & royalty of materials.	One Square Meter	599.71	158.30	94934.09

14	20mm. thick cement plaster grading in c.m. 1:4 including cost conveyance and royalty of materials curing etc. complete.	One Square Meter	487.32	225.70	109988.12
15	Supplying, fitting & fixing of stainless steel of 304 grade in hand railing using 50mm. Dia of 2mm. thick circular pipe with Balustrade of size 32mm.x32mm. x2mm.@ 0.90m.C/C and stainless square pipe bracing of size 32mm.x32mm.x2mm. In 3 rows in stair case as per approved design and specification, buffing, polishing etc. with cost, conveyance, taxes of all materials labour T & P etc. required for the completion in all respect.	One Running Meter	22.00	3466.00	76252.00
16	Supplying ,fitting and fixing vetrified tiles in floors,treads or steps of size 600mm x 600mm of approved make conforming to IS: 13755 laid on 20mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of materials, labour T&P etc required for the work all complete as per direction of Engineer-in-Charge (For New work Only)	One Square Meter	526.28	996.28	524322.24
17	Fixing of vetrified tiles and marbles in dadosand risers of steps on 12mm thick cement plaster (1:3) with neat cement slurry mixed with pigment to match the shade of the tile including rubbing and polishing complete( data for 10sqm)	One Square Meter	10.64	1381.87	14703.10
18	Fixing Granite Stone (above 0.4 sqm to 1.0 sqm) on the surface of Experiment tale on 25 mm thick bed of cement mortar (1:1) joined with neat cement slurry mixed with pigment to match the shades of the tiles incl. rubbing and polishing complete incl. cost of	One Square Meter	15.05	2598.57	39108.48
19	Supplying ,fitting and fixing Ceramic Floor tyles 30cmx30cm / 40cmx40cm of approved make conforming to IS: 13755 laid on 20mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of m	One Square Meter	14.31	860.38	12312.04
20	Fixing Colour glazed tiles in dadoos skirting and risers of steps on 12mm thick CP (1:3) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete excluding cost of pre cast tiles	One Square Meter	34.79	708.20	24638.28
21	Supplying, fitting and fixing steel angle iron door & window with steel angle iron frame manufactured from standard rolled steel angle section of 40mmx40mmx6mm size with corners of the frame duly mattered and electrically welded with fishtale hold fasts made out of MS flat size 200mmx50mmx30mm wide and 5mm thick welded to the frame @ 6 nos per frame with 10mm dia MS round bar to be welded at the day with MS hinges of size 100mm 14SWG thick @ 3 nos and 15mm size 1 no. for single & double leaf shutter, aldrop staple and tower bolt hinges duly welded to the frame with one coat of anti corrosive red oxide zinc chrome primer including cost, conveyance, taxes of all materials with all labour charges for the work.	One Kilogram	2492.00	119.80	298541.60

22	Supplying, fitting, and fixing up window(sliding type) made up Aluminium 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 fittings ,cost of glass etc.	One Square Meter	43.48	3667.60	159467.25
23	Manufacturing, supplying, fitting and fixing alluminium Door of approved design including cost, conveyance, taxes with all labour charges required for the work.	One Square Meter	4.28	6219.80	26620.74
24	Painting two coats with any approved synthetic enamale paint of approved quality shade and make over a coat of priming to new wood work/ iron work including cost of the primer and paint, sand papering polishing the surface with cost, conveyance, royalty, taxes with all labour charges.	One Square Meter	184.78	196.40	36290.79
25	Finishing wall surface of walls with Acrylic 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.	One Square Meter	1175.71	72.90	85709.26
26	Wall painting two coats on new work with plastic emulsion paint of approved	One Square Meter	1175.71	78.10	91822.95
27	Priming 1 coat with any approved Primer for Plaster Surface	One Square Meter	2109.31	62.50	131831.88
28	Wall painting with two coats weather coat paint of approved shade on new work to give an even shade including cost of paint.	One Square Meter	920.06	91.30	84001.48
29	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibrator compaction of approved size design and shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	One Square Meter	49.14	693.41	34074.17
30	Provision for fitting and fixing and cost of RCC Jally and all other taxes etc. complete as per direction of Engineer-in-Charge.	One Nos.	26.00	150.00	3900.00
					6971253.98
31	Quality Control	0.50%			34856.27
					7006110.25
				say	7006103.00

**Rupees Seventy Lakh Six Thousand One Hundred Three only**

**Tender schedule for the project:-Const of Additional class room,E-Library,ICT Lab,Toilet, Drinking water facility , Science Lab Room&Boundary Wall at Grama Mangala High School ,Baulamala-Kaunrikala, for 2022-23 under DMF is approved for Rs. 7006103.00(Rupees Seventy Lakh Six Thousand One Hundred Three ) only with 31(Thirty One) items only.**

G.S.T cost is 18%(CGST9%+SGST9%) & with Labour welfare cess 1% will be added at the time of agreement.

  
Asst Executive Engineer  
Keonjhar Sadar

  
Block Development Officer  
Keonjhar Sadar

  
Addl. EO(Tech)  
ZP,Keonjhar

My /Our quoted rate is -----

% Excess/Less/Equal

to the corresponding estimate rate  
(Write both in words and Figures)

**NOTES:-**

1. The Contractor should not write anything except quoting of percentage, excess/less/equal to the amount to Tender and in any case any thing else regarding tender rate is mentioned, the Tender is liable for rejection.
2. Strike out which are not applicable.
3. Percentage quoted by the contractor shall be accurately filled in figure and words, so that there is no discrepancy.
4. If any discrepancy is found in the percentage quoted in words and figures then the percentage quoted by the contractor in words shall be taken as correct.
5. The percentage quoted in the tender will out mentioning excess or less will be treated as excess.
6. The contractor should write percentage excess or less up to two decimal point only. If he/her writes the percentage excess or less more than two decimal points it will be treated as cancelled.

**Contractor**

**Block Development Officer  
Sadar Block**