

**BILL OF QUANTITIES
FOR
THE WORK
"CONSTRUCTION OF ADDL.
CLASS ROOM AT J.K.S
UNITED GOVT. HIGH
SCHOOL KOTAGARA GP"**

BILL OF QUANTITY

NAME OF THE WORK:- Construction of Addl Class Room (ACR) J. K. S. Unitted Govt High School
NAME OF THE G.P.:- Kotagara
NAME OF THE SCHEME:- S & ME Dept. 14/AS/214-12
Amount put to Tender:- 1632790.32

SN	Description of Work	Unit	Quantity	Estimated Rate in Rs	Rate in Words	Amount
1	Earth work in excavation of foundation trenches in HARD soil up to the required depth including dressing and leveling the bed and depositing the excavated materials away from the site with all leads and lifts, T&P labour required for the work etc. complete as directed by the Engineer-In-Charge.	Cum	84.17	270.90	(Rupees Two Hundred Seventy and Ninety Paise) Only	22,801.65
2	Supplying and filling in foundation and plinth with sand including well watering, ramming, including cost, conveyance and royalties of all materials and cost of all labour with T&P required for the work etc. complete as per direction of Engineer-In-Charge.	Cum	42.31	1209.62	(Rupees One Thousand Two Hundred Nine and Sixtytwo Paise) Only	51,179.02
3	Cement concrete (1:3:6) in foundation and plinth using 4 cm. size hard granite crusher broken metal of approved quarry and approved quality including hoisting lowering laying concrete in layers not exceeding 0.15 M. in depth including compacting watering and curing etc, complete including cost ,conveyance, royalties & of all materials and cost of labour etc with T&P required for the work etc. complete as per specification & direction of Engineer-In-Charge.	Cum	15.65	6660.37	(Rupees Six Thousand Six Hundred Sixty and Thirtyseven Paise) Only	1,04,234.79
4	Fly Ash Brick masonry in C.M.(1:6) using Fly Ash Bricks of size 25cm.x12cm.x 8 m. having crushing strength not less than 75 kgs./cm ² after immrersing the bricks for six hours in water before use in Foundation & Plinth including splays cutting, circular moulding corbelling, champhering and similar such type of works with watering and curing etc .including cost, conveyance, royalties and taxes & testing of all materials & of all labour with T&P required for the work etc. complete as per specification & direction of Engineer-In-Charge.	Cum	10.45	5813.47	(Rupees Five Thousand Eight Hundred Thirteen and Fourtyseven Paise) Only	60,750.76
5	Fly Ash Brick masonry in C.M.(1:6) using Fly Ash .Bricks of size 25cm.x12cm.x 8 m. having crushing strength not less than 75 kgs./cm ² after immrersing the bricks for six hours in water before use in Superstructure including splays cutting, circular moulding corbelling, champhering and similar such type of works with watering and curing etc .including cost, conveyance, royalties and & testing of all materials and cost of all labour with T&P required for the work etc. complete as per specification & direction of Engineer-In-Charge.	Cum	20.78	5,851.81	(Rupees Five Thousand Eight Hundred Fifty One and Eightyone Paise) Only	1,21,600.61

3	Back Filling of surplus excavated earth at work site by initial lead of 50.00mtr and initial lift of 1.50mtr including cost of all labour T&P required for the work etc. complete as directed by Engineer-In-Charge	Cum	84.17	179.80	(Rupees One Hundred SeventyNine and Eighty Paise) Only	15,133.77
7	RCC work M-20 having a minimum compressive strength 200kgs/cm ² in 15cm.cubes at 28 days after mixing and tests conducted in accordance with IS.456 and IS.516 using 12mm.to 20mm. size black hard crusher broken granite stone chips of approved quality and from approved quarry including hoisting lowering laying and compact concrete by using vibrator watering and curing for 28 days centering shuttering and finishing the exposed surface smooth providing grooves or beads where necessary including cost, conveyance ,royalties & testing of all materials and cost of all labour with T&P required for the work etc. complete in all respect as per specification & direction of E.I.C.(but excluding cost of M.S Rod or Tor Steel & binding wires)					
a)	Column Base & Footing	Cum	15.10	7241.31	(Rupees Seven Thousand Two Hundred Foutyone and Thirtyone Paise) Only	1,09,343.78
b)	Plinth Band	Cum	3.10	8108.61	Hundred Eight and Sixtyone Paise) Only	25,136.69
c)	Column & Wall Beam, Beam	Cum	8.32	16391.45	Hundred Nintyone and Foutyfive Paise) Only	1,36,376.86
d)	Lintel	Cum	1.66	14864.73	(Rupees Forteen Thousand Eight Hundred Sixtyfour and Seventythree Paise) Only	24,675.45
9	Chajja	Sqm	0.72	14430.81	(Rupees Fourteen Thousand Four Hundred Thirty and Eightyone Paise) Only	10,390.18
f)	Roof Slab	Cum	9.66	14430.81	(Rupees Forteen Thousand Four Hundred Thirty and Eightyone Paise) Only	1,39,401.62
8	Cutting straightening HYSD Bars/High tensile tor steels, confirming to FE -500 grade bending binding welding and jointing if necessary and tying the grills and placing in position as required for RCC work and for providing fan hooks hoisting lowering and laying including cost, conveyance of HYSD bars/High tensile tor steels and binding wires of 18 to 20 gauge and labour required for the work for bending binding and tying the grills in all floors etc. complete as per direction of E.I.C(Measurement will be taken excluding cost of binding wire)and payment will be made on the weight of M.S or tor steel only).	Qtl	36.00	8,543.03	(Rupees Eight Thousand Five Hundred Fourtythree and Zerothree Paise) Only	3,07,549.08
9	16mm.thick cement plaster(1:6) finished smooth surface of walls after racking out the joints including watering and curing with cost ,conveyance, royalties of all materials and cost of labour with T&P required for the work etc. complete as per direction of Engineer-In-Charge.	Sqm	130.39	299.72	(Rupees Two Hundred Ninetynine and SeventytwoPaise) Only	39,080.49

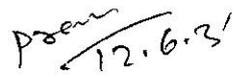
10	12mm.thick cement plaster in C.M. (1:6) in finished smooth to surface of walls after racking out the joints including watering and curing with cost ,conveyance, royalties of all materials and cost of labour with T&P required for the work etc. complete as per direction of Engineer-In-Charge.	Sqm	143.36	197.29	(Rupees One Hundred Ninety seven and Twetynine) Only	28,283.49
11	Providing 6mm thick cement plaster in cement mortar (1:4) finished smooth in RCC surface, ceiling & 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.(In all floors)	Sqm	83.67	213.86	(Rupees Two Hundred Thirteen and Eighty six Paise) Only	17,893.67
12	Providing 2.5cm thick Grading Concrete over roof slab with cement concrete (1:2:2) using 6mm size black hard granite crusher broken chips and screened & washed sharp sand for mortar and finished smooth to the rough surface of slab including watering and curing etc. complete in all respect as directed by the Engineer in charge.	Sqm	411.14	407.60	(Rupees Four Hundred One and Twenty Paise) Only	
13	Supplying, fitting, fixing of Vitrified Tiles Premium grade (600x600mm, Colour/Printed) in floors, treads, steps and landing slab on 20mm thick bed of cement mortar (1:4) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including, rubbing and polishing the surface with cost, conveyance and royalty of all materials etc. complete as per direction of the Engineer-in-charge.	Sqm	71.35	1,208.98	(Rupees One Thousand Two Hundred Eight and Nintyeight paise) Only	86,260.72
14	Supplying, fitting, fixing of Vitrified tiles Premium grade (600x600mm) in dados on 12mm thick bed of cement mortar (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including, rubbing and polishing the surface with cost, conveyance and royalty of all materials etc. complete as directed by the Engineer - in - Charge.	Sqm	9.10	1,732.62	(Rupees One Thousand Seven Hundred Thirtytwo and Sixtytwo paise) Only	15,766.84
15	Supplying, fitting and fixing hand railing of Stainless steel of 304 grade using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in stair case as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, cost of all labour, T&P etc. required for the complete in all respect as per direction of the Engineer-in-charge.	Mtr	13.00	2,810.70	(Rupees Two Thousand Eight Hundred ten and Seventy Paise) Only	36,539.10
16	Labour for Fitting Fixing of Door and Windows	Sqm	8.92	23.43	(Rupees Twentythree and Fortythree Paise) Only	209.00

17	Wall Painting One coat to wall with Primer of approved shade on new work to give an even shade	Sqm	273.75	81.11	(Rupees Eightyone and eleven paisa) Only	22,203.86
18	Painting 2 coats with water proofing weather coat of approved shade by means of brush to outside surface of walls complete 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	113.09	162.73	(Rupees One Hundred Sixtytwo and Seventy three Paise) Only	18,403.14
19	Distempering 2 coats with any approved shade over the interior surface of walls using distemper including cost, conveyance of all materials including cost of distemper with all taxes and cost of all labour with T & P required for the work etc. complete as directed by the Engineer - in - Charge.	Sqm	130.39	89.36	(Rupees Eightynine and Thirtysix Paise) Only	11,651.65
20	Painting Two coats with Enamel paint on Old/new wood work after cleaning the surface, sand papering etc. including cost and conveyance of all materials, cost of paint with all taxes and cost of all labour with T & P required for the work etc. complete in all respect as directed by Engineer - in - Charge.	Sqm	17.84	260.73	(Rupees Two Hundred Sixty and Seventythree Paise) Only	4,651.42
21	Supplying fixing and fittings MS door shutters with frames of 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)	Sqm	384.00	93.22	(Rupees Ninetythree and Twentytwo) Only	35,796.48
Total					Rs	14,45,314.12

Rupees (Fourteen Lakh Fortyfive Thousand Three Hundred Fouteen and Twelve Paise) only


Assistant Engineer
Kamakhyanagar Block


Assistant Executive Engineer
Kamakhyanagar Block


Block Development Officer
Kamakhyanagar


Asst. Engineer
Zilla Parishad, Dhenkanal


Assistant Executive Engineer
Zilla Parishad, Dhenkanal


Addl. Executive Officer (Tech.)
Zilla Parishad, Dhenkanal