

OFFICE OF THE PRINCIPAL, DEBRAJ ROY COLLEGE

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PART-B: FINANCIAL BID FORM-1

- NOTICE NO:
- NAME OF THE TENDERER:
- FATHER'S NAME:
- DATE OF BIRTH:.....
- DETAILS OF ADDRESS:

- EMAIL:
- TELEPHONE/ MOBILE NO:
- PROJECT NAME: **RCC GROUND FLOOR CLASSROOM BUILDING.**

RCC GROUND FLOOR CLASSROOM BUILDING OF D.R COLLEGE, GOLAGHAT, ASSAM						
Sl. No.	Item No.	Item Description	Qty	Unit	Rate Rs/Unit	Amount in Rs.
		SH: EARTH WORK				
1	1.1	Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified.				
		Upto a depth of 2m below the existing ground level				
		(a) In ordinary soil				
		Column =$\{(15 \times 2.1 \times 1.8 \times 1.8) + (4 \times 1.8 \times 1.5 \times 1.5)\} = 118.26$	118.26			

		Cum}				
		Tie Beam =123.7 x .3 x .45	16.70			
		Step = 1x1.5x.9x.15	.20			
		TOTAL	135.16	CUM		
2	1.3	Earth/ sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sales tax and other duties and taxes as may be necessary.				
	c	With river sand or silt (predominantly non plastic) by truck carriage including loading and unloading.				
		192.2 (Plinth Area, excluding walls and columns) X .6	115.32	CUM		
Sub Total						
SH: CEMENT CONCRETE WORKS						
3	2.1. 1	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).				
		Column= {(1.5 x 1.5 x 0.075 x 4)+(1.8X1.8X.075X15)}	4.32			
		Step = 1x1.5x.9x.10	.14			
		a) In prop 1cement: 3 sand :6 coarse aggregate by volume	4.46	CUM		

4	2.1. 3	Providing and laying 25mm thick damp proof course with cement concrete in prop 1:1.5:3 with graded stone agg. of 10mm down nominal size including providing approved damp proof admixture in proportion as recommended by the manufacturer including curing etc.				
		25mm thick (.250 x 123.7) Sqm	30.93	SQM		
		Sub Total				
		SH: PLINTH PROTECTION AND DRAIN:				
5	19.1	Providing plinth protection 50mm thick to cement concrete 1:3:6 with coarse agg.of 20mm nominal size including finishing the surface with 10mm thick cement plaster in proportion 1:3 with a floating coat of neat cement finished.	35.57			
		Perimeter of building 59.29 m x .6 m		SQM		
		SH: REINFORCED CEMENT CONCRETE WORKS				
6	2.2. 1	Providing and laying plain/reinforced cement concrete works in prop 1:1.5:3 (1 cement :1.5 coarse sand :3 graded stone chips, 20mm down) including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately)				
	A	In substructure up to plinth level				
		Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick.				
		Column = (15 x 1.8x 1.8 x .2) + (15 x .35 x 1.8 x1.8)/2 + (.9X.45X.35X15)	20.35			

		Column = (4 x 1.5x 1.5 x .2) + (4x .35 x 1.5 x1.5)/2 + (.6X.35X.3X4)	3.62			
		Tie Beam = 123.7 m x .3 x .45	16.70			
		(b) M 20 or Prop.1:1.5:3....TOTAL	37.05	CUM		
7	(ii)	In super structure from plinth level up to 1st floor level.				
	(b)	(ii) Columns,pillars,posts,struts,suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantilever, staircase (except spiral staircase and landing) iinishing of nosing. Surface and Including preparing the top				
		Column = .3 x.3 x 4.5 x15	6.08			
		Lintel = 90.87 m x .15 x .15	2.04			
		Top Beam= 123.7m x .350 x .450	19.48			
		Staircase= 1.485 cum Steps + 0.435cum landing	1.92			
		Slab= (240.33 x 0.1)- (14.8 X 0.1)Staircase Area	22.55			
		(b) M 20 or Prop.1:1.5:3.....TOTAL	52.07	CUM		
						Sub Total
		SH: SHUTTERING (FORMWORK)				
8	3.1.1	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in:				
9	3.1.1.1	Foundation, footings, bases of columns, pile cap, raft and mass concrete works etc.				

10	(ii)	Using 25mm thick plank (1.5 X .55 X 4 X 4) + (1.8 x .55 x 4 x 15)	72.60	SQM		
11	3.1. 1.2	Sides of tie beams, grade beams etc. at or below ground level.				
12	(ii)	Using 25mm thick plank (123.7 X .45 X 2)	111.33	SQM		
13	3.1. 1.3	Columns, Pillars, Posts & Strut				
	(a)	Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face				
14	(ii)	Using 25mm thick plank	82.08	SQM		
15	3.1. 1.4	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.				
	(a)	For depth not exceeding 1.0M.				
16	(ii)	Using 25mm thick plank (123.7 X .45 X 2) + (123.7 X .35)	154.62	SQM		
17	3.1. 1.5	Flat Surfaces such as soffits of suspended floors, roofs, landings, cantelever slabs, chajjas, balconies and the like.				
	(a)	Floors etc. upto 200mm in thickness.				
18	(ii)	Using 25mm thick plank	225.53	SQM		
19	3.1. 1.10	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)				
		For Steps= 4x 1.5 x 2	12.00	SQM		
		For Landing = 1.4 x 3	4.20			
		Total	16.20	SQM		
	Sub Total					
	SH: BRICK WORKS					

20	4.1.1	Providing brick soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete.				
		(a).Brick on flat soling.				
		Column= (1.5 x 1.5 x4) + (1.8x1.8 x19)	70.56			
		Floor = 1 x 191.78	191.78			
		Total	262.34	SQM		
21	4.1.4	Brick work in cement mortar with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed in sub-structure up to plinth level.				
		(d). In proportion 1:4. (1 cement:4 sand)				
		123.7(Tie Beam Length) x .6 x .25	18.56	CUM		
22	4.1.7	112 mm thick 1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to terrace floor level (protruding M.S rod/Tor steel of column to be embeded in cement mortar and will be measured and paid separately)				
		1) Classroom wall = 232.98 sqm				
		2) Parapet wall = 76.92 sqm				
		3) Headroom wall = 48.6 sqm				
		3) Deductable Area , Door, Window, Ventilator Area: 24.78				
		Now , Total area of brick wall=(358.5-24.78)=333.72 sqm	333.72	SQM		
		(a). In cement mortar in proportion 1:4.(1 cement:4 sand)				

		Sub Total			
		SH: FLOORING			
23	5.1.4	65 mm thick cement concrete floor consisting of 50 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 25mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement :1 coarse sand : 2 coarse aggregate of size 10mm down) laid in panels and finished with a floating coat of neat cement finish (using cement slurry for bond @ 2.75 kg. per square metre of floor area) including curing etc. complete as directed.	191.78	SQM	
	5.7.2	VITRIFIED TILES			
		A) ON FLOOR			
24	5.7.2.1	Providing VITRIFIED floor tiles of approved quality of specified size, shape and thickness not less than 18mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf) / white cement slurry mixed with approved pigment to match shade of tiles, mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department)			
		a) Normal range Somany/ Orient/Nitco /Varmora/VITA/ Marbita/ Make	183.30	SQM	
		ii) Of size 600mmx600mm and above			
	5.11	ANTISKID TILES			

25	5.11 .1	Providing Antiskid Tiles of approved quality size, shape not less than 8mm on floor, skirting over a cement mortar bed 15mm thick of 1:3 (1 cement: 3 coarse sand) approved make fix with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf)/ white cement complete at all level as specified and directed.				
		(A) CERAMIC - Toilet Area				
		i)Normal range (Sizes 300 mm x 300mm and above)				
		(a)Orient made: Galaxy Brown, Galaxy creama, Galaxy Pink, Galaxy Green, Pulsar Beige, Pulsar Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj Green, Burj Slate	8.90	SQM		
		B) ON WALLS				
26		Providing polished ceramic wall tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf) /white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls).				
		a) Normal range Somany/ Orient/Nitco/Asian Make	23.31	SQM		
		i) Of size 200mmx200mm and above				
		Sub Total				
		Ch 7: CEILLING, LINING AND PARTITION				
	7.2	GYPBOARD CEILING				

27	7.2. 1	Supplying, fitting, fixing and painting where necessary (one coat primer and two coats of paint) M/F Suspended Ceiling which includes G.I. perimeter channels of size 0.55mm thick (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/ partition with the help of nylon sleeves and screws, at 610mm c/c. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with two equal flanges of 15mm each) from the soffit at 1220mm c/c with ceiling angle of width 25mmx10mmx0.55mm thick fixed to soffit with G.I.cleat and steel expansion fasteners.				
28		Ceiling section of 0.55mm thickness having knurled web of 51.5mm and two equal flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm c/c, 9.5mm/ 12.5mm tapered edge Gypboard (conforming to IS:2095-1982) is then screw fixed to ceiling section with 25mm long drywall screws at 230mm c/c. Screw fixing is done mechanically either with screw driver or drilling machine with suitable attachment. Finally, the boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compound, joint paper tape and two coats of drywall topcoat suitable for Gypboard complete at all levels as specified and directed. (For light fittings, providing opening for doors, window, ventilators etc, cut out made with frame of perimeter channel supported suitably to be measured and paid separately where necessary).				
	(i)	9.5mm thick	121.00	SQM		
		Ch-10: GRILL				

	10.2	Providing, fitting and fixing M.S. grill of required pattern for windows/ clerestory windows/ opening with M.S. flats at required spacing in frame all round, square or round M.S. bars with round headed bolts and nuts or screws.				
		I. Plain grill	160.00	KG		
		(a) Fixed to wooden frames				
		SH: PLASTERING WORKS				
	6.2. 2	15 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed.				
24		A) On rough side				
		(b). In cement mortar 1:4 (262.75 + 35.5 sqm for plinth wall)	298.32	SQM		
		B) On fair side				
		(b). In cement mortar 1:4 (333.72 sqm on wall +225.53 sqm on ceiling)	559.25	SQM		
					Sub Total	
		SH: PAINTING				
29	13.3 .2	Providing two coats of acrylic water based wall putty/ wall filler of Asian Paints/ Berger/ Dulux over concrete/ cement plaster/ brick walls and ceilings both internal and external after removing all the loosely adhering material from the wall/ ceiling surface with the help of emery stone, putty blade or wire brush, moistening the wall with the help of sufficient quantity of clear water as specified and directed by the department.	857.00	SQM		

30	13.9 .2	Finishing old/ new wall with water proofing weather coat smooth anti-fungal exterior painting of Apex brand of Asian Paints and of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)	298.32	SQM			
31	13.4 .7	Wall painting (two coats) with Plastic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth.					
		(a).Plastic Emulsion Paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	559.25	SQM			
32	13.6 .3	Applying priming coat over new wood and wood based surfaces over 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter , sand papering and knotting.					
		(b). With ready mixed paint , wood primer (white).	9.60	SQM			
33	13.6 .5	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter sand papering and stopping.					
		(ii).Surfaces up to 100mm in width or girth.					
		a). General purpose (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	85.35	RM			
		Sub Total					

		SH: REINFORCEMENT				
34	18.1 .1	Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete (upto 1st floor level).				
		b) TMT Bar (I) TATA..... TOTAL	115.00	QTL		
	9.1	SH: WOOD WORKS				
35	9.1. 2	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S hold fast (40mm x 3mm x 250mm) as per design embeded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified				
		Door= 5.4 x .15 x .075 x 4.....	.24			
		Window/Ventilator= 85.35 x .15 x .075.....	.96			
		With 1st class timber (Bonsum/ Sundi	1.20	CUM		
36	9.9. 6	(a) Providing fitting and fixing 1st class local wood battened, ledged and braced door and window shutters including oxidised iron butt hinges (100mmx 58mmx1.90mm) 6 nos with necessary screws.				
		1) Door= 2x 1.2 x 4	9.60	SQM		
		(b) Using Gamari wood				
		(i) 25mm thick				

37	9.9.7	Providing, fitting and fixing fully glazed window with sash bars including oxidised M.S butt hinges (75mmx 60mmx3.15mm) 2nos.on each leaf and 3 nos. on single leaf (glass panes to be measured and paid separately)				
		B) With Holock/Gamari/Bonsum wood.				
		(ii) 35mm thick	19.98 SQM			
	15.1	SH- DOOR AND WINDOW FITTINGS				
		ELECTRO COLOURED IRON FITTINGS				
38		b) Tower bolts	40	Each		
		v) 100mm x 10mm				
		d) MS door/window handles	24	Each		
39	15.1.1	i) 75mm				
		e) MS gate shutter hook & eye	16	Each		
40		i) 75mm				
		k) MS door latches				
41		ii) 250mm x 10mm x 6mm	8	Each		
		Sub Total				
		CH-18: STEEL AND IRON WORKS				
	18.3	ROOF TRUSS				
42	18.3.1	Providing fitting, hoisting and fixing of roof trusses including purlins fabricated using MS circular hollow section conforming to relevant I.S. code, as per approved design and drawings including providing M.S. cleats, base plates, bolts and nuts and one coat of red oxide Zinc Chromate primer and two coats of approved enamel paints complete including fitting necessary cleats etc. for fixing ceiling joists as per design and drawing as directed.				

		b) Using other ISI marked approved circular hollow section				
		i.) 48.3 mm dia(OD).....31.6 M X 3.27 KG/m	1.03	Qtl		
	8.1	ROOFING				
43	8.1.1	Providing corrugated galvenised Iron sheet roofing of TATA SHAKTEE / SAIL including fitting and fixing necessary galvenised J or L hooks, bolts and nuts 8 mm dia with bitumen washer 25 mm dia x 3 mm thick and 1.6 mm thick limpet washer complete excluding cost of roof truss, purlin etc. (Roof trusses and purlin etc.to be measured and paid separately).				
		(a) 0.45 mm thick (8.6x3.6)	30.96	SQM		
44	A	Students Desk Bench.....	32	PAIR		
45	B	Teachers Furniture, Including White Board And Other Materials.....	L/S			
		TOTAL AMOUNT :				

Certified that the above information is given by me and is true to the best of my knowledge and belief.

\Signature with Seal

List of documents enclosed: