SCHEDULE 'A' (UNDER PERCENTAGE TENDER SYSTEM)

Name of work: Construction of Additional Class room building Over Existing class room

building in Alagappa Government Arts College at Karaikudi in

Sivagangai District. (Civil)

SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
1	14.00 M ³ (Fourteen cubic metre only)		Rs. 221.90 (Rupees Two hundred and twenty one and paise ninety only)	1M ³ (One cubic metre)	3106.60
2	1.70 M ³ (One point seven zero cubic metre only)	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of Reinforced cement concrete etc., complete complying with standard specification.	Rs. 5800.00 (Rupees Five thousand and eight hundred only)	1M ³ (One cubic metre)	9860.00
3	187.00 M ³ (One hundred and eighty seven cubic metres only)	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of walls of Terracing work in roof or floor	Rs. 60.10 (Rupees Sixty and paise ten only)	1M ³ (One cubic metre)	11238.70
4		Brick work in following Cement Mortar 1:6 using best quality of country bricks of size 8-3/4" x 4-1/4" x 2-1/4" for foundation and basement including curing, etc., complete complying with standard specification and as directed by the Departmental Officers completed complying with standard specification.			
a)	12.40 M ³ (Twelve point four zero cubic metre only)		Rs. 5615.70 (Rupees Five thousand six hundred and fifteen and paise seventy only)	1M ³ (One cubic metre)	69634.68

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Contractor

SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
b)	50.70 M ³ (Fifty point seven zero cubic metres only)	For First floor	Rs. 5820.90 (Rupees Five thousand eight hundred and twenty and paise ninety only)	1M ³ (One cubic metre)	295119.63
c)	25.00 M ³ (Twenty five cubic metres only)	For Second floor	Rs. 5958.10 (Rupees Five thousand nine hundred and fifty eight and paise ten only)	1M ³ (One cubic metre)	148952.50
5	5.00 M ² (Five square metres only)	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid)	(Rupees Seven hundred and forty seven and paise seventy only)	1M ^{2.} (One square metre)	3738.50
6		Supplying and erecting steel centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specificaiton. (Payment for centering shall be given after the concrete is laid)			

SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
а	340.00 M ² (Three hundred and forty square meters only)	Plane surfaces such as RCC floor slab , roof slab, rectangular square Tee or Ell beams, lintels, staircase, waist slab, landing slab, landing beams, portico beams, portico slabs etc.	I Re 8/10/35	1M ^{2.} (One square metre)	285719.00
b	156.00 M ² (One hundred and fifty six square meters only)		Rs. 1008.45 (Rupees One thousand and eight and paise forty five only)	1M ^{2.} (One square metre)	157318.20
7		Providing and laying in position, standardised concrete Mix M-20 Grade in accordance with IS 456 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/m3 and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5 cu.m.) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 cu.m.) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m) 7670 kg. of M-sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS standards. (No separate payment will be made by the Department for the excess usage of materials).			

SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
а	51.00 M ³ (Fifty one cubic metres only)		Rs. 7591.44 (Rupees Seven thousand fiive hundred and ninety one and paise forty four only)	1M ³ (One cubic metre)	387163.44
р	1.40 M ³ (One point four zero cubic metres only)		Rs. 7794.94 (Rupees Seven thousand seven hundred and ninety four and paise ninety four only)	1M ^{2.} (One cubic metre)	10912.92
8		Cement Concrete 1:3:6 (One Cement, Three M-sand and Six broken stone jelly) using 40mm size hard broken stone jelly for dummy columns, excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete. (Reinforced Cement Concrete 1:2:4 for slab to be extended upto top of splashing with pressed tiles and future extension rods to be embedded in CC 1:3:6 (One Cement, Three Sand and Six hard broken stone jelly). Dummy columns should be at least 1 metre height)			
а	2.00 M ³ (Two cubic metres only)		Rs. 5479.40 (Rupees Five thousand four hundred and seventy nine and paise forty only)	1M ³ (One cubic metre)	10958.80
9	68.00 Qtl (Sixty eight Quintal only)	Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel grills for all RCC works as per design given including cost of steel and G.I. binding wire in all floors etc. complete complying with standard specification. (Contractor has to make his own arrangements for the supply of steel and binding wire)	(Rupees Seven thousand	1Qtl (One Quintal	533106.40

SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
10	447.00 M ² (Four hundred and forty seven square metres only)	Special ceiling plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, facia, canopy slab, staircase waist slab, landing slab etc., with Cement Mortar 1:3 (One Cement and Three Sand) 10mm thick including hacking the surfaces, providing cement mortar nosing, beading for sunshades, staircases, steps, landing slabs and curing, etc., in all floors complying with standard specification and as directed by the departmental officers	(Rupees Two hundred and fifty two and paise sixty	1M ² (One Square metre)	112912.20
11	697.48 M ² (Six hundred and ninety seven point forty eight square metres only)	Plastering with Cement Mortar 1:5 (One cement and Five M- sand), 12mm thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.	l Re 771.00	1M ² (One Square metre)	154143.08
12	1500.00 Kg (One thousand and five hundred Kilogram only)	Supplying and fixing of M.S Grills for windows, ventilaors of and (or) directed by the Engineer incharge including cost of M.S Charges and cost of one coat of red oxide primer with labour coat etc., complete complying with standard specification.	L Pe un on	1KG (One Kilogram)	135300.00
13	21.00 M ² (Twenty one square metres only)	Paving the floor with pre-polished concrete anti-skid step tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three M-sand) 20mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)	(Rupees One thousand three hundred and forty nine and paise sixty only)	1M ² (One Square metre)	28341.60

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SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
14	180.00 M ² (One hundred and eighty square metres only)	IWNITE CEMENT MIYER SAME COIDLIF DIAMENTS ETC. COMPLETE COMPIVINA WITH	RS. 1370.60	1M ² (One Square metre)	246708.00
15	186.00 M ² (One hundred and eighty six square metres only)		Rs. 436.26 (Rupees Four hundred and thirty six and paise twenty six only)	1M ² (One Square metre)	81144.36
16	22.00 RM (Twenty two running metres only)	ICOHIIIHHII IO IOI SDECINEA EHSAIEA OFHAHL DAR IOHT HAEREA HOIA ASSEHIDIA MITH	Rs. 394.10 (Rupees Three hundred and ninety four and paise ten only)	1 RM (One Running metre)	8670.20
17	1.80 M ² (One point eight zero square metres only)	Supplying and fixing solid core particle board flush shutter of nominal thick of 35 mm with necessary T.W. internal lipping conforming to IS 2302 with both sides alround commercial ply 35mm thick including supplying and fixing cost of wind appliances and furniture fittings such as 1no .200x12mm aluminium tower bolt 2nos. 150x12mm aluminium tower bolts 1no. 250x16mm aluminium aldrops, 3 nos. 200mm 'D' type aluminium door handle and door stopper with bush etc., complete as directed by the departmental officers. Single Leaf		1M ² (One Square metre)	5007.60

SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
18	4.40 M ² (Four point four zero square metres only)	iwina annuances and illinillite illinas such as tho "zuox i zuon allinillini iower	Rs. 2891.00 (Rupees Two thousand eight hundred and ninety one only)	1M ² (One Square metre)	12720.40
19	18.50 M ² (Eighteen point five zero square metres only)	Fabricating, Supplying and fixng in position of steel sheeted windows (Three Leaves) with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18x5mm MS Flat at 0.70kg/m at 3 Nos. for each shutter and additional diagonal stiffners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly. 2 numbers of sturdy hinges and one number of handle-cum-latch of special type made with 18x5mm MS flats are revetted to the shutters at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of lenght 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 120mm length spliced at the ends are welded to the outer frame of the window by using MS flat of 18x5mm at 0.70kg/m, welded to the shutter at two place equivalent from each from top and bottom of the shutter.	Rs. 4054.00 (Rupees Four thousand and fifty four only)	1M ² (One Square metre)	74999.00

SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
20	687.69 M ² (Six hundred and eighty seven point six nine square metres only)	Supplying and painting the walls with two coats of oil bound distemper over one coat of water based cement primer including cost for distemper, primer, cleaning and scrapping the walls, rendering the walls smooth with necessary putty, brushes, scaffolding arrangements, labour charges, etc., as per standard specification. (The colour and shade of the distemper shall be got approved by the Executive Engineer before use of work).	Re 173 35	1M ² (One Square metre)	119211.06
21	730.00 M ² (Seven hundred and thirty square metres only)	ibiasiei di dans duny, wherevel reduned etc., combiete combiving with	(Rupees Two hundred and	1M ² (One Square metre)	154650.50
22	15.00 M ² (Fifteen square metres only)	ispecification. The make quality and colour of paint should be dot approved	(Rupees Two hundred and	1M ² (One Square metre)	3194.25
23	113.00 M ² (One hundred and thirteen square metres only)	TENOINEEL DEIDLE USE ON WOLKS)	RS. 126.25 (Runges One hundred and	1M ² (One Square metre)	14266.25

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SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
24	18.00 RM (Eighteen running metres only)	irianne niace criewe naile eir ann ilainn ni raei inn niainne ai ilinciinn ni	Rs. 371.50 (Rupees Three hundred and seventy one and paise fifty only)	1 RM (One Running metre)	6687.00
25	3.00 M ² (Three square metres only)	itixina in position etc. complete complyina with standard specification and as	(Rupees One thousand	1M ² (One Square metre)	3334.65
26	7.50 M ² (Seven point five zero square metres only)	Supplying and fixing in position steel balustrades using 20mm square rods spaced at 150mm centre to centre so that the two balustrades in each step shall be placed centrally and the top of balustrades connected with the hand rails (cost of hand rail shall be measured and paid separately) by means of MS flats of size 40mm x 6mm in the groove 40mm x 6mm provided at the bottom of hand rail; the bottom of balustrades shall be fixed on to the top of step concrete. An additional MS flat of size 50mm x 6mm shall be provided at the centre of balustrades connecting all square rods to the entire length including cost of square rods, flat and applying one coat of red oxide primer to the iron surfaces, etc., complete complying with standard specification and as directed by the departmental officers.	Rs. 24/1.20 (Rupees Two thousand four hundred and seventy one and paise twenty only)	1M ² (One Square metre)	18534.00
27	8.00 RM (Eight running metres only)	Supplying and fixing 40mm dia GI pipe for staircase hand rail including labour charges for cutting, welding and fixing with MS flats (excluding cost of flat), etc., as directed by the departmental officers	Rs. 179.30 (Rupees One hundred and seventy nine and paise thirty only)	1 RM (One Running metre)	1434.40

SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
28	2.00 M ³ (Two cubic metres only)	troot slap in a single layer of required slope and finished by beating the	Rs. 3944.20 (Rupees Three thousand nine hundred and forty four and paise twenty only)	1M ³ (One Cubic metre)	7888.40
29	18.50 M ³ (Eighteen point five zero cubic metres only)	Earth work excavation for foundation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2 mts. and clearing and levelling the site, etc., complete complying with standard specification.	Rs. 172.30	1M ³ (One Cubic metre)	3187.55
30	3.50 M ³ (Three point five zero cubic metres only)	Cement Concrete 1:5:10 (One Cement, Five M- sand and Ten hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick well rammed, consolidated and curing etc. complete complying with standard specification	L Re 1/15/1/20	1M ³ (One Cubic metre)	15589.70
31	9.00 M ³ (Nine cubic metres only)	Supplying and filling in foundation, basement, etc with filling M- sand in layers of not more than 15 cm thick well watered, rammed and consolidated etc. complete complying with standard specification and as directed by the departmental officers.	Rs. 1598.00	1M ³ (One Cubic metre)	14382.00

SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
32	9.00 M ³ (Nine cubic metres only)	icunno eic combiele combivino with standard specification, ci ne fale is	(Rupees Four thousand four hundred and fifty four	1M ² (One Cubic metre)	40087.80
33	5.10 M ³ (Five point one zero cubic metres only)	directed by the departmental officers.	DC 50/5 55	1M ³ (One Cubic metre)	30475.31
34	8.70 M ² (Eight point seven zero square metres only)	ICH SHEEL V.40HIH HIICK CETEATHIC STEEL CHAIK DOALD IS DIOVIDED OVEL HE IVIDE	(Rupees Three thousand eight hundred and fifty only)	1M ² (One Square metre)	33495.00

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Contractor

SI. No	Quantity in Figure and in words.	Description of Work	Rate in figure and in words.	Per	Amount Rs.
35	2.10 M ² (Two point one zero square metres only)	Manufacturing supplying and fixing of steel door with the following specification MS angels of size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x5mm for the shutter frames stiffeners with 32 x 6mm M.S flat is provided at required intervals in the shutter frame. 18-gauge C.R. sheet laid as panel in the shutter and welded intact. M.S. flat 18x5mm is welded over the 32 x 6mm M.S. flat sandwitching the C.R. sheet in between additional stiffeners with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter, 3nos. of hinges in case of single leaf and 6nos. of hinges in double leaves shutter to be provided 6nos. of holdfasts 120 mm in length made of angle section spliced at the ends are welded to the outer frames of the door. Tower bolts 2nos. one at the top and the other at the bottom are provided 1no. Aldrop is provided incase of double leaf door at lock rail section in the door in single leaf door, one more aldrop is provided in the inner lock rail section of the door One rotaing locking arrangements for the inner side of the door and additional provision for locking arrangements for lock is provided on the rear side of the door at an appropriate place. Incase of double leaf door M.S.Flat 32 x 3mm at 1.1Kg/m is provided on the one shutter t conceal the gap between the two shutters.at an appropriate place in the door. A tie bar is provided at the bottom of the frame to prevent twisting of frame during transportation and fixing. All members are given a coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, transportation to site of work, loading, un loading and all other incidental charges etc., complete. Single leaf.	Rs. 4062.00 (Rupees Four thousand and sixty two only)	1M² (One Square metre)	8530.20
			TOTAL	Rs.	3261723.87
			GST at 12%	Rs.	391406.86
					3653130.74
Total 35 (Thirty Five) Items only					(or)
	(Rupees Thirty Six L	akhs Fifty Three Thousand One Hundred and Thirty One Only)		Rs.	3653131.00