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ABSTRACT ESTIMATE

Work ID : 201920040758 Name of the Work : Major and Minor Repairs

U-DISE Code : **28145200401** School Name : **MPPS BANTUMILLI**

Estimate Amount (in Rs.) : 3,25,060/-

SI.No.	Description of Item	Quantity	Rate (in Rs.)	Unit	Amount (in Rs.)
1	Earth work excavation and depositing on bank with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work including seignerage charges excluding dewatering charges etc., complete for Foundation of Building.(APSS No. 308)	34.54	152.88	cum	5,280
2	Plain Cement Concrete (1:5:10) M5 grade using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work	13.54	3620.29	cum	49,019
3	Plain Cement Concrete corresponding to M15 grade as per IS 456 equivalent to (1:2:4) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 20mm size Hard Blasted Granite (IS383, 1970) Machine Crushed graded metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing, laying, curing concrete, etc., complete for finished item of work	2.92	4961.69	cum	14,488

4	Plastering with CM(1:4) Prop: 12mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work Over Brick Masonry. (APSS 901,906)	32.4	237.65	sqm	7,700
5	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure.	6.21	5622.52	cum	34,916
6	Brick masonry in CM (1:6) with bricks of traditional size $23 \times 11 \times 7$ cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Basement.	17.56	5280.04	cum	92,718
7	Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded.	100	48.41	Kgs	4,841
8	Supply and Fixing of Door with Double leaf shutter, Door Size 1.05x2.13 mtrs with Medium teak wood Frame of sections size 75mm x 100mm with Shutter with MDF board both side laminated of 35mm thick including cost of fixtures such as Aluminium Tower Bolts 250mm long 3 Nos, Aluminium Handles 150mm long 2 Nos, 300mm long Aluminium Aldrops 1No, 125 mm long M.S.Powder Coated butt hinges 6Nos, 300 mm long Aluminium Flat latch 1No, Door stoppers 2 Nos, MS Hold fasts 6Nos 300mm long including cost and convenyance of all materials to site all Labour charges such as Fixing of Door Frame and shutter Fixing in position , with Hardware fixtures etc., complete for finsihed item of work. [Make Jyothi / Classic / Oxford]	2	10937.07	Nos	21,874

9	Supply and Fixing of Door with Single leaf shutter, Door Size 0.9x2.13 mtrs with Medium teak wood Frame of sections size 75mm x 100mm with Shutter with MDF board both side laminated of 35mm thick including cost of fixtures such as Aluminium Tower Bolts 250mm long 1 Nos, Aluminium Handles 150mm long 2 Nos, 300mm long Aluminium Aldrops 1No, 125 mm long M.S.Powder Coated butt hinges 3Nos, 300 mm long Aluminium Flat latch 1No, Door stoppers 1 Nos, MS Hold fasts 6Nos 300mm long including cost and convenyance of all materials to site all Labour charges such as Fixing of Door Frame and shutter Fixing in position , with Hardware fixtures etc., complete for finsihed item of work. [Make Jyothi / Classic / Oxford]	2	9131.90	Nos	18,264
10	Supply and Fixing of UPVC Door Size 1.22x2.13 mtrs including cost and convenyance of all materials to site all Labour charges such as Fixing of Door Frame and shutter Fixing in position, with fixtures etc., complete for finsihed item of work.	1	8217.00	sqm	8,217
11	Writing of Name board with Synthetic Enamel paint of 1st quality including primary coat and back ground of painting with one coat white synthetic enamel paint, Writing letters in Telugu/English etc., Complete for finish item of work	1	10000.00	Nos	10,000
12	Supply and Fixing of Window Shutter of Size 0.43 x0.63 mtrs with Teak wood shutter frame of size 75 mmx32 mm Shutter flank of 25mm thick including cost of fixtures such as MS Powder Coated Tower Bolts 100mm long 1 No, MS Handles 125 mm long 1 No, 75mm butt hinges 2 Nos, Sales and Other Taxes cost and convenyance of all materials to site all Labour charges such as Fixing of Window Frame on shutter Fixing in position , with Hardware fixtures etc., complete for finsihed utem of work.	3.72	1033.52	sqm	3,845
13	Supply and fixing of 110mm dia ISI mark PVC rain water spouts of 4 Kg/cm2 pressure including Cost of necessary pvc bends, shoes and M.S.clamps and all other accessories and fixing in position including cost and conveyance of all materials to site, seigniorage charges sales and other taxes on all materials, all operational, incidental and labour cahrges such as fixing in alignment etc., complete for finished item of work.(APSS NO1328) in All Floors	3	553.33	rmt	1,660
14	Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Data, using 40mm GI B Class Pipe of 2.5 Mtrs length with necessary accessories duly providing staggered holes including filling with equal proportion of Salt and Charcoal in layers and all labour charges etc., complete.	1	4545.10	Nos	4,545

15	Provision for SEIGNIORAGE CHARGES @ 1.00%	1	2773.66	Percentag e	2,774
16	Provision for PS Charges @ 3.00%	1	9422.02	Percentag e	9,422
17	Provision for Quality Control Charges @ 0.50%	1	1570.34	Percentag e	1,570
18	Provision for NAC Charges @ 0.1%	1	277.37	Percentag e	277
19	Provision for GST @ 12.00%	1	33650.08	Percentag e	33,650
	Total	-	-		3,25,060

DETAILED ESTIMATE

Work ID : 201920040758 Name of the Work : Major and Minor Repairs

U-DISE Code : 28145200401 School Name : MPPS BANTUMILLI

Estimate Amount (in Rs.) : 3,25,060/-

Description of Item	Number	Length	Width	Thickness	Total Quantity	Units	Rate in Rs.	Amount in Rs.			
Earth work excavation and depositing on bank with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work including seignerage charges excluding dewatering charges etc., complete for Foundation of Building.(APSS No. 308)											
Flag Post	1	1.2	1.2	0.6	0.86						
Footpath	1	15	1.8	0.3	8.1						
Rachcha Bandas around existing trees	1	8.2	5.2	0.6	25.58						
Total					34.54	cum	152.88	5,280			
Flag Post Footpath	1 1	1.2	1.2 1.8		0.14 5.4						
Rachcha Bands around existing trees	1	8	5	0.2	8						
Total					13.54	cum	3620.29	49,019			
Plain Cement Concrete corresponding to M15 grade as per IS 456 equivalent to (1:2:4) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 20mm size Hard Blasted Granite (IS383, 1970) Machine Crushed graded metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing, laying, curing concrete, etc., complete for finished item of work											
Flag Post	1	1.2	1.2	0.15	0.22						
	1										
Footpath	1	10	1.8	0.15	2.7						

Plastering with CM(1:4) Prop: 12mm thick in swater etc., to site, including seigniorage charge and labour charges such as mixing mortar, fin (APSS 901,906)	ges, sales	& other	taxes on	all materia	ls, all oper	ationa	l, incidenta	l charges		
Kitchen Shed-Long Wall1	1	3	3	0	9					
Kitchen Shed-Long Wall2	1	3	3	0	9					
Kitchen Shed-Short Wall1	1	2.4	3	0	7.2					
Kitchen Shed-Short Wall2	1	2.4	3	0	7.2					
Total					32.4	sqm	237.65	7,700		
Brick masonry in CM (1:8) with bricks of tradi- materials and all labour charges etc., complet					_	t and c	onveyance	of all		
Compound Wall-Wall1	1	15	0.23	1.8	6.21					
Total					6.21	cum	5622.52	34,916		
Brick masonry in CM (1:6) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Basement.										
Flag Post	1	0.9	0.9	1.05	0.85					
Footpaths	2	30	0.23	0.3	4.14					
Rachcha Bands around existing trees	1	24.64	0.34	1.5	12.57					
Total					17.56	cum	5280.04	92,718		
Supplying, fitting and placing HYSD bar reinfo 36mm dia. including overlaps and wastage wl		-	-	lrawings an	d technica	al speci	fications fo	r bars below		
Compound Wall-8mm HYSD bars	100	0	0	0	100					
Total					100	Kgs	48.41	4,841		
Supply and Fixing of Door with Double leaf sh size 75mm x 100mm with Shutter with MDF be Aluminium Tower Bolts 250mm long 3 Nos, A 125 mm long M.S.Powder Coated butt hinges fasts 6Nos 300mm long including cost and co Frame and shutter Fixing in position, with Ha Classic / Oxford]	oard both luminium 6Nos, 300 nvenyanc	n side lai Handles O mm loi e of all r	minated of 150mm ng Alumin naterials	of 35mm th long 2 Nos, nium Flat la to site all L	ick includi , 300mm l itch 1No, l abour cha	ing cost ong Alu Door st rges su	t of fixtures uminium Al oppers 2 N ch as Fixing	such as drops 1No, os, MS Hold g of Door		
Class Room - Door	1	0	0	0	1					
Kitchen Shed - Door	1	0	0	0	1					
Total					2	Nos	10937.07	21,874		

Class Room - Door	ps 1No, MS Hold Door	ktures such minium Ald ppers 1 No h as Fixing	ost of fi ong Alu ooor sto ges suo	uding co Omm lo 1No, D our chai	k ind os, 3 : late l La	mm thick long 2 No nium Flat to site all	ted of 35 150mm ng Alumii naterials	e lamina Handles) mm lor e of all n	d both side luminium 3Nos, 300 nvenyanc	Supply and Fixing of Door with Single leaf shurts in the Shurt of
Supply and Fixing of UPVC Door Size 1.22x2.13 mtrs including cost and convenyance of all materials to site all Labo charges such as Fixing of Door Frame and shutter Fixing in position , with fixtures etc., complete for finished item of Class Room - Door				2	0		0	0	2	·
charges such as Fixing of Door Frame and shutter Fixing in position , with fixtures etc., complete for finished item of Class Room - Door	18,264	9131.9	Nos	2						otal
Writing of Name board with Synthetic Enamel paint of 1st quality including primary coat and back ground of painti one coat white synthetic enamel paint, Writing letters in Telugu/English etc., Complete for finish item of work Gate Pillars						-		_		
Writing of Name board with Synthetic Enamel paint of 1st quality including primary coat and back ground of paintione coat white synthetic enamel paint, Writing letters in Telugu/English etc., Complete for finish item of work Gate Pillars				1	0		0	0	1	Class Room - Door
one coat white synthetic enamel paint, Writing letters in Telugu/English etc., Complete for finish item of work Gate Pillars	8,217	8217	sqm	1						otal
Supply and Fixing of Window Shutter of Size 0.43 x0.63 mtrs with Teak wood shutter frame of size 75 mmx32 mm flank of 25mm thick including cost of fixtures such as MS Powder Coated Tower Bolts 100mm long 1 No, MS Handl mm long 1 No, 75mm butt hinges 2 Nos, Sales and Other Taxes cost and convenyance of all materials to site all Lac charges such as Fixing of Window Frame on shutter Fixing in position , with Hardware fixtures etc., complete for fire utem of work. Window1	ing with	-	_		-		-	-	-	
Supply and Fixing of Window Shutter of Size 0.43 x0.63 mtrs with Teak wood shutter frame of size 75 mmx32 mm flank of 25mm thick including cost of fixtures such as MS Powder Coated Tower Bolts 100mm long 1 No, MS Handl mm long 1 No, 75mm butt hinges 2 Nos, Sales and Other Taxes cost and convenyance of all materials to site all Lak charges such as Fixing of Window Frame on shutter Fixing in position , with Hardware fixtures etc., complete for fire utem of work. Window1				1	0		1	1	1	Gate Pillars
flank of 25mm thick including cost of fixtures such as MS Powder Coated Tower Bolts 100mm long 1 No, MS Handl mm long 1 No, 75mm butt hinges 2 Nos, Sales and Other Taxes cost and convenyance of all materials to site all Lak charges such as Fixing of Window Frame on shutter Fixing in position , with Hardware fixtures etc., complete for fir utem of work. Window1	10,000	10000	Nos	1						otal
Window3 1 0.92 1.35 0 1.24 Window5 1 0.92 1.35 0 1.24 Total 3.72 sqm 1033.52 Supply and fixing of 110mm dia ISI mark PVC rain water spouts of 4 Kg/cm2 pressure including Cost of necessary pybends, shoes and M.S. clamps and all other accessories and fixing in position including cost and conveyance of all not site, seigniorage charges sales and other taxes on all materials, all operational, incidental and labour cahrges sufixing in alignment etc., complete for finished item of work.(APSS NO1328) in All Floors Class Room - Block1 1 3 0 0 3 Total 3 rmt 553.33 Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the D				fixtures	war	ith Hardv	sition , w	ng in po	nutter Fixi	harges such as Fixing of Window Frame on shatem of work.
Window5 Total 1 0.92 1.35 0 1.24					_					
Supply and fixing of 110mm dia ISI mark PVC rain water spouts of 4 Kg/cm2 pressure including Cost of necessary postends, shoes and M.S. clamps and all other accessories and fixing in position including cost and conveyance of all not site, seigniorage charges sales and other taxes on all materials, all operational, incidental and labour cahrges surfixing in alignment etc., complete for finished item of work.(APSS NO1328) in All Floors Class Room - Block1 Total Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Days and Days are size specified in the Days are siz					┿				_	
Supply and fixing of 110mm dia ISI mark PVC rain water spouts of 4 Kg/cm2 pressure including Cost of necessary postends, shoes and M.S.clamps and all other accessories and fixing in position including cost and conveyance of all not osite, seigniorage charges sales and other taxes on all materials, all operational, incidental and labour cahrges surfixing in alignment etc., complete for finished item of work.(APSS NO1328) in All Floors Class Room - Block1 Total Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Days and Days are size specified in the	3,845	1033 52	sam		+		1.55	0.52		
Class Room - Block1 1 3 0 0 3 mt 553.33 Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the D	vc naterials	of necessar eyance of a	g Cost o	ncluding cost ar dental a	udir I, in	ition inclu erational,	ng in pos als, all op	and fixion	ccessories axes on al	Supply and fixing of 110mm dia ISI mark PVC is bends, shoes and M.S.clamps and all other account of site, seigniorage charges sales and other ta
Total 3 rmt 553.33 Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the D		Т					_	ork.(AP	item of w	
Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the D	1.660		rmt		4		U	3	1	
using 40mm GI B Class Pipe of 2.5 Mtrs length with necessary accessories duly providing staggered holes including with equal proportion of Salt and Charcoal in layers and all labour charges etc., complete.	-	cified in th	size spe	as per	ovi	s duly pro	ccessorie	essary a	with nec	Providing independent earthling by excavating ising 40mm GI B Class Pipe of 2.5 Mtrs length
Earthing for Class Room 1 0 0 1										
Total 1 Nos 4545.1				1	0		0	0	1	arthing for Class Room
Provision for SEIGNIORAGE CHARGES @ 1.00%	4,545	4545.1	Nos	1	0		0	0	1	

Total			1 Per nta	2,774
Provision for PS Charges @ 3.00%				
Total			1 Per	9,422
Provision for Quality Control Charg	ges @ 0.50%			
Total			1 Per nta	1,570
Provision for NAC Charges @ 0.1%				
Total			1 Per nta	277
Provision for GST @ 12.00%				
Total			1 Per nta	33,650

Signature of FE/AE/AEE Signature of Deputy Executive Engineer

syed fakeer GBV Ramesh