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ABSTRACT ESTIMATE

Work ID : 201920040629 Name of the Work : Major and Minor Repairs
U-DISE Code : 28145200502 School Name : MPPS UPPUDI
Estimate Amount (in Rs.) : 4,14,138/-

Sl.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 seignorage charges excluding dewatering charges etc., complete for Foundation of Building.(APSS No. 308)	42.64	152.88	cum	6,519
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	24.87	3632.98	cum	90,352
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	8.32	4974.38	cum	41,387

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)	29.52	237.79	sqm	7,020
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.	7.45	5632.28	cum	41,960
6	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.	17.56	5289.80	cum	92,889
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 conveyance 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 conveyance 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 finished 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 conveyance of all materials to site all Labour charges such as Fixing of Door Frame and shutter Fixing in position , with fixtures etc., complete for finished 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 conveyance 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 finished item 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/cm ² 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 charges 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	4547.63	Nos	4,548

15	Provision for SEIGNIORAGE CHARGES @ 1.00%	1	3533.75	Percentage	3,534
16	Provision for PS Charges @ 3.00%	1	12004.01	Percentage	12,004
17	Provision for Quality Control Charges @ 0.50%	1	2000.67	Percentage	2,001
18	Provision for NAC Charges @ 0.1%	1	353.38	Percentage	353
19	Provision for GST @ 12.00%	1	42871.46	Percentage	42,871
	Total	-	-		4,14,138

DETAILED ESTIMATE

Work ID : 201920040629 Name of the Work : Major and Minor Repairs
 U-DISE Code : 28145200502 School Name : MPPS UPPUDI
 Estimate Amount (in Rs.) : 4,14,138/-

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 seignorage 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	30	1.8	0.3	16.2			
Rachcha Bandas around existing trees	1	8.2	5.2	0.6	25.58			
Total					42.64	cum	152.88	6,519
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								
Flag Post	1	1.2	1.2	0.1	0.14			
Footpath	1	30	1.8	0.3	16.2			
Rachcha Bands around existing trees	1	8.2	5.2	0.2	8.53			
Total					24.87	cum	3632.98	90,352
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			
Footpath	1	30	1.8	0.15	8.1			
Total					8.32	cum	4974.38	41,387

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)

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	2.4	0	5.76			
Kitchen Shed-Short Wall2	1	2.4	2.4	0	5.76			
Total					29.52	sqm	237.79	7,020

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.

Compound Wall-Wall1	1	18	0.23	1.8	7.45			
Total					7.45	cum	5632.28	41,960

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	5289.8	92,889

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.

Class Room-8mm HYSD bars	100	0	0	0	100			
Total					100	Kgs	48.41	4,841

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 conveyance 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]

Class Room - Door	1	0	0	0	1			
Kitchen Shed - Door	1	0	0	0	1			
Total					2	Nos	10937.07	21,874

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 conveyance 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]								
Class Room - Door	2	0	0	0	2			
Total					2	Nos	9131.9	18,264
Supply and Fixing of UPVC Door Size 1.22x2.13 mtrs including cost and conveyance 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.								
Class Room - Door	1	0	0	0	1			
Total					1	sqm	8217	8,217
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								
Class Room	1	1	1	0	1			
Total					1	Nos	10000	10,000
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 conveyance 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 item of work.								
Window1	1	0.92	1.35	0	1.24			
Window2	1	0.92	1.35	0	1.24			
Window3	1	0.92	1.35	0	1.24			
Total					3.72	sqm	1033.52	3,845
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								
Class Room - Block1	1	3	0	0	3			
Total					3	rmt	553.33	1,660
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.								
Earthing for Class Room	1	0	0	0	1			
Total					1	Nos	4547.63	4,548
Provision for SEIGNIORAGE CHARGES @ 1.00%								

Total					1	Perce ntage	3533.75	3,534
Provision for PS Charges @ 3.00%								
Total					1	Perce ntage	12004.01	12,004
Provision for Quality Control Charges @ 0.50%								
Total					1	Perce ntage	2000.67	2,001
Provision for NAC Charges @ 0.1%								
Total					1	Perce ntage	353.38	353
Provision for GST @ 12.00%								
Total					1	Perce ntage	42871.46	42,871

Signature of FE/AE/AEE

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Signature of Deputy Executive Engineer

GBV Ramesh