


# GENERAL ABSTRACT

Name of the Work: Construction of Building, Modernisation and Transformation of the DS Govt. Degree College Building for Women at Ongloe Town in Prakasam District Under NADU - NEDU Scheme

Sl.	Name of Component	Total Amount
1	Toilets with Running Water	
a	Repairs of Toilet Block	308616.73
2	Providing Electrification with Fans and Tube Lights	387450.24
4	Providing Furniture for Students and Staff	1231450.00
5	Providing Paintings to Entire Campus	2353303.00
6	Major and Minor Repairs to Existing Buildings	2144107.16
7	Providing CC Road - 300 Rm	1835746.00
8	Providing Green Chalk Board	312500.00
9	Construction of Compound Wall Repairs	3844642.50
	Sub Total>>>	12417815.63
10	Provision for GST @ 12%	1506529.00
11	Provision for PS Charges @ 7%	869247.00
12	Provision for Seniorage Charges @ 1%	124178.00
13	Provision for NAC Charges @ 0.10%	12418.00
14	Provision for QC charges @ 0.50%	62089.00
15	Provision for Tender Publication Charges	10000.00
16	Provision for Price Adjustment for Steel & Cement and Fluctuation of Rates and unforeseen items	97723.00
	TOTAL	15100000

  
Assistant Engineer  
APEWIDC, Addanki

  
Dy. Executive Engineer  
APEWIDC, Ongole

  
Executive Engineer  
APEWIDC, Ongole



**DETAILED CUM ABSTRACT ESTIMATE**

**Name of the work : Construction of Building, Modernisation and Transformation of the K.R.K DEGREE COLLEGE at ADDANKI(V)&(M) in BAPATLA DISTRICT( OLD PRAKASAM DT) Under NADU - NEDU**


**Scheme**


**Bath Rooms & Toilet Block REPAIRS**


Bath Rooms & Toilet Block REPAIRS										Scheme			
SNo	Description of work	No	L	B	D	Qty	Rate	Per	Amount				
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)												
	septic tank pipe line	1	x	1	10.00	0.60	0.75	4.5					
						Say	4.5	253.35	1	1140			
2	Plain Cement Concrete corresponding to M5 grade as per IS 456 equivalent to (1:5:10) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) 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 and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete for finished item of work for Foundations (APSS No. 402)												
	septic tank pipe line	1	x	1	10.00	0.60	0.10	0.6					
						Say	0.6	4076.77	1 Cum	2446			
3	Providing and fixing factory made solidWood Polymer Composite (WPC) SIZE 0.75X2.1singleextrudedDoorFramesectionofsize with encapsulation of 8MM rigid layer onall the six surfaces. The door frame willhavearebatof32MM. Door Frame section of 45x75 MM . Thetwo Vertical members are to be joinedtogetherwiththehorizontalmemberusing 8x50 MM long MS Star full threadscrews to be used with reverse rdspeedcontrolhanddrillingmachine Theredy/assembleddoorframeisfixed to												
	TOILETS	1	x	3				4.75					
								4.75	574.89	1RMT	2731		
4	Providing and fixing factory made solidWood Polymer Composite (WPC) singleextrudedDoorFramesectionofsize with encapsulation of 8MM rigid layer onall the six surfaces. The door frame willhavearebatof32MM. Door Frame section of 45x75 MM . Thetwo Vertical members are to be joinedtogetherwiththehorizontalmemberusing 8x50 MM long MS Star full threadscrews to be used with reverse dspeed control hand drilling machine. Theredy/assembleddoorframeisfixed to the wall using hold fast or boltfasteners.Aminimumof4No.sofscrows to be provided for each verticalmember & minimum 2no.s for horizontalmember. BMT-N.83.A												
	Toilet doors	1		10	4.95			49.500					
						Total	49.500	574.89	Rm	28457			
						Rm							
5	Providing and fixing28 -30 MM thicksolidWoodPolymerComposite(WPC)single extruded door shutter with 3MMtop and bottom rigid layer with an overalldensity of 750kg/Cum. It will be fixed tothe frame using 3 inch /4 inch hinges. Aminimum of 4 hinges will be required forfixingthe doorwiththe frame BMT-N.88												
	Toilet doors	1		10	0.70		1.90	13.300					
						Total	13.300	3442.53	Sqm	45786			
						Sqm							
22	Flooring with Non-skid red or white full body Ceramic floor tiles of size 300 x 300 mm and thickness between 7-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630(Parts 1to15) of any colour and finish in all shades and designs set over a base coat of CM (1:8), 12mm thick laid over flooring bed / V.R.C.C. slab, with neat cement slurry of honey like consistency spread at the rate of 3.3 Kgs of cement per Sq.m and jointed with neat white cement paste to full depth mixed with pigment of matching shade including cost and conveyance of all materials like cement, sand, water, ceramic tiles etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as mixing of cement mortar, laying, curing, lift charges etc., complete for finished item of work.(APSS No.701 & 707) in All Floors												
	Bath Rooms & Toilets	1	x	5	1.22	1.52		9.27					
	Add Extra							0.60					
								9.87	963.35	1 Sqm	9508		



SNo	Description of work	No	L	B	D	Qty	Rate	Per	Amount
6	Dadoing to walls with white glazed tiles 1st. quality of any size of brand as approved by Engineer - in - charge and set over a base coat of CM (1:5), 12mm thick and neat cement paste at the rate of 3.3 Kg/Sqmt. and jointed with white cement paste mixed with pigment of matching shade including cost and conveyance of all materials like cement, sand, water, tiles, etc. to site, seigniorage charges, sales and other taxes on all materials, C921 such as mixing of cement mortar, laying in position, curing, lift charges etc., complete for finished item of work (APSS No.701 & 707) in All Floors								
	Bath Rooms & Toilets A/R	1	x	10	2.80		1.15	32.2	
								32.2	551.45 Sqm
9	Cost, supply & fixing of 25mm dia GI Pipe (B class) including cost & conveyance of all materials and labour charges etc. complete.								17757
		1	x	1	40.00			40	252 RM
10	Cost, supply & fixing of NB bib cocks 300 grams of Indian Make including cost & conveyance of all materials and labour charges etc. complete.								10080
		1	x	10				10	274.66 1 No
11	Supplying and fixing of SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)								2747
	90mm dia	1	x	1	100			100	156.22 1 Rm
12	Supplying and fixing of SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)								15622
	110mm Dia	1	x	1	100			100	182.35 1 Rm
13	Supplying and fixing 580 mm x 440 mm long Orissa pan white glazed Water Closet 1st quality ISI marked confirming to IS:2556-Part-3-1981 with "P" or "S" trap Hindware / Parryware / Neycer with brick masonry seat, CC squatting plate and fixing 12.70mm dia NP Push cock 1st quality , P trap or S trap of Indian W.C. shall be encased on CC (1:2:4) 150mm alround well above the joint to stop leakage at the joint etc., 10 Litres capacity Single Flush white PVC low level flushing system parryware, slimline with internal components and short bend including cost and conveyance of all materials to site, all labour charges, sales and other taxes on all materials etc., complete for finished item of work for all floorscomplete including cost and conveyance of all materials to site, cost of CC bed, labour charges and seigniorage charges etc., complete for finished item of work.								18235
		1	x	5				5	2107.56 1 No
14	Supplying and fixing of European Water Closet of 1st quality confirming to IS: 2556-Part-2-1973 of Hindustan / Neycer or Parryware make white gllazed with 'S' trap lying and fixing best Indian make plastic seal and lid for European water closets with rubb								10538
		1	x	5				5	5256.68 1 No
15	Supply and fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings SDR 11 to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" to 2") for hot and cold water (IS 15778:2007) including cost and conveyance of all materials to site, labour charges for fixing, overheads & contractors profit complete for finished item of work at all floor levels.								26283
	22.20mm OD pipe	1	x	1	100			100	110.49 1 Rm
16	Supply and fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings SDR 11 to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" to 2") for hot and cold water (IS 15778:2007) including cost and conveyance of all materials to site, labour charges for fixing, overheads & contractors profit complete for finished item of work at all floor levels.								11049
	28.60mm OD pipe	1	x	1	40			40	155.94 1 Rm
17	Supply and Fixing of Incinerator including cost and conveyance all material and all labour charges etc. complete.								6238
		1	x	2				2	LS
									100000
								Total::	308616.7

  
Assistant Engineer  
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Assistant Engineer  
APEWIDC, Addanki  
16/05/2022

  
Dy. Executive Engineer  
APEWIDC, Ongole

  
Executive Engineer  
APEWIDC, Ongole  
16/05/22



Name of the work : Construction of Building, Modernisation and Transformation of the K.R.K DEGREE COLLEGE at ADDANKI(V)&(M) in BAPATLA DISTRICT( OLD PRAKASAM DT) Under NADU - NEDU Scheme

Name of the work : Sub Estimate - Providing Electrification


S. NO.	Description of Work					Quantity	Unit	Rate (Rs.)	Amount (Rs.)
								in fig.	
	CONDUIT PIPE								
2	Supply and Fixing of 25mm outer dia heavy (1.80mm thickness) grade, FRLS with IS:9537 part 3 regid PVC pipe (ISI mark) concealed in wall with all required accessories including masonry work for light, fan , common and separate plug point including all labour charges etc., complete. Makes :Precision/Universal& Marudhar/VIP								
	Wall Pipe					100			
						100	RM	ONE RM	99.40
	9940								
	WIRING								
4	Supply and fixing of 16A 3 pin wall plug socket with 6A switch control on a common switch board with earth continuity including wire leads, earth connections along with all labour charges etc., complete.								
		1	x	1		30			
						30	NOS	EACH	1144.10
									34323
5	Supply and fixing of 6A 3 pin wall plug socket with 6A switch control on a common switch board with earth continuity including wire leads, earth connections along with all labour charges etc., complete. Makes : Anchor / Gold Medal Olive /Million Zoom								
		1	x	1		15			
						15	NOS	EACH	262.88
									3943
	RUN OF MAINS								





6	Supply and run of 1 of 2.5 sq.mm (phase neutral and earth) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable in existing MS conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards. Makes: Gloster/ Polycab / Bonton / V-Guard / GM / Million / HPL / Goldmedal / Finecab / Fortune Art / Kundancab/Sudhakar/Orbit / Standard /Tamra/Anchor								
		1	x	1		200			
						200	RM	ONE RM	38.33 7666
7	Supply and run of 2 of 2.5 sq.mm FRLS PVC insulated flexible copper cable and one run of 1.0 sq.mm flexible copper wire for earthing in existing PVC/ MS conduit pipe for circuit mains including labour charges (phase neutral and earth) etc., complete as required for switch board circuit mains. Makes of Wires : Polycab / Havells / SunCab / Fortune Art / Paragon / HPL / L&T / Power flex / RPG / Anchor / Bonton								
		1	x	1		500			
						500	RM	ONE RM	76.53 38265
	LIGHT FITTINGS								
8	Supply, Transportaton, and fixing of 36/40W box type tube light fitting with 28Watt electronic ballast with all accessories with 40Watt tube and operating voltage 90 to 350 Volts, power factor 0.98 and harmonics shall be as per IS specifications including all labour charges and conveyance of all materials etc complete with with flexible wire and connections. <b>Makes:</b> <b>Bajaj/Crompton/Trinic or its equivalent.</b>								
	Ground & First	1	x	20		20			
	Toilets	1	x	4		4			
	all	1	x	30		30			
						54	NOS	EACH	1101.99 59507
9	Supply and fixing of batten holder / slanting holder in lieu of ceiling rose of light point complete with all connections and all labour charges with 40W bulb (for new installation). Makes : Gold Medal /Million/ Vimal								
	In Rooms	1	x	20		20			
	Toilets	1	x	5		5			
						25	NOS	EACH	91.18 2279
10	Supply of 1200 mm (48") sweep ISI mark ceiling Fan as per IS 374-1979 and operating on 230V, A.C 50 Hz.Ceiling fan with 3 Blades and double ball bearings with all standard accessories. Makes: Crompton / Bajaj Kassels 50 / Usha Atom								
	In Rooms	1	x	1		40			
						40		EACH	2665.41 106616
11	Supply and erecting Electronic type regulator for ceiling fans 1200 mm sweep complete erected on existing board.Make : Anchor Penta Cherry / Gold Medal Olive / Million Zoom								
		1	x	1		40			
						40	NOS	EACH	456.73 18269



12	Labour charges for Fixing of Ceiling fan and regulator including transportation and giving connections with twin core wire etc., complete.								
	In Rooms	1	x	1	40		EACH	179.29	7172
	EARTHING								
18	Supply & Fixing of Indicators including cost and conveyance of all material and labour charges etc complete. ELEC-8.1.30								
		1	x	1	20	No	Nos	88	1760
21	SPN 8 way D.B with IP-43, 40A DP Isolator - 1 No for incomer, 10kA-6-32A SP MCBs - 6 Nos for outgoing.								
	In Rooms	1	x	1	4	NO	EACH	4072.50	16290
22	Supply and transportation of 60W LED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having System efficacy > 95 lm/W and junction temprature < 70°C, with Ingrees protection IP65, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution , THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE MAKE : Wipro / Philips (Green line) / GEventure / Crompton(Hawk) / Baijai (Edge+) / Halonix(Lumos - Super) / ELEC-3.8.23								
		1	x	1	15				
					15	NOS	EACH	5428.00	81420
TOTAL:									387450

  
 Assistant Engineer  
 APEWIDC, Addanki

  
 Executive Engineer  
 APEWIDC, Ongole


  
 Executive Engineer  
 APEWIDC, Ongole



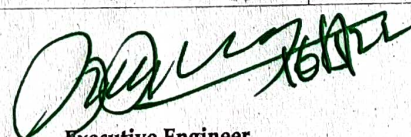
# **DETAILED CUM ABSTRACT ESTIMATE**

**Name of the work : Construction of Building, Modernisation and Transformation of the K.R.K DEGREE COLLEGE at ADDANKI(V)&(M) in BAPATLA DISTRICT( OLD PRAKASAM DT) Under NADU - NEDU Scheme**

FURNITURE							Estimate Cost::		
							1231450		
SNo	Description of work	No	L	B	D	Qty	Rate	Per	Amount
1	Providing supplying and placing dual desk in class. The overall dimensions of desk will be W 1066mm x D 930mm x H 760/452mm having the following specifications. Side frame structure: Made of prime quality CRCA pressed from section 165mm x 25mm x 1mm thick welded to 25mm x 50mm x 1.2mm thick CRCA tube 890mm length. Seat and back side frame structure also made of prime quality CRCA pressed also made of prime quality CRCA pressed from section 165mm x 25mm x 1mm thick welded to 25.4mm diameter x 1.2mm thick all 8 nos. horizontal supports are 25mm x 25mm x 1.2mm thick shall be of CRCA tube 4 nos CRC tube size 20 x 20 x 1 mm thick insert for full height in Big pillar. Rectangular tube 50 x 25 x 1.2mm thick should be closed with PPCP cap both sides and pipe dia. 25.4 x 1.2mm thick should be closed with metal (Back Side) and other side (Under the seat) PPCP cap. Front panel cum tray shall be made of prime quality 0.8mm thick CRCA sheet of H 150mm x W 1012mm x D 300mm with middle partition and side stiffeners of MS CRCA tube size 19mm x 19mm x 1mm thick. One vertical	1	x	50			50.00		
					Say	50.00	6930.00	1 No	346500
1	Staff Room Tables Assembled and Ready to Use and one side Triple storage is provided The overall dimensions should be of size 1200mm X 600mm X 750mm. Table Top material is made of 25mm thickness Flat single layer MDF board of Grade SBG II and thickness ±3mm of IS 12406 Latest	1	x	10			10.00		
					Say	10.00	8650.00	1 No	86500
1	Staff Room Chairs/ Visitors Chairs Pedestal Base is with ABS Plastic with ABS/Nylon Twin Caster wheels Minimum 5 Nos, of 50 mm Size and Arm Material is Propylene, seat material is PU Foam covered with Fabric.								
	Staff Room Chairs	1	x	15			15.00		
	Visitor Chairs	1	x	10			10.00		
					Say	25.00	8650.00	1 No	216250
1	Almairahs (Steel) for HM Room, Staff room, Library room, Laboratory room, M.S sheet conforming to commercial quality CR-1, Grade 340 of IS 513:2008 (reaffirmed 2013) (Fifth Revision) Amdt. no.1 Sheet thickness of door in 0.8 mm (minimum)	1	x	14			14.00		
					Say	14.00	7850.00	1 No	109900
2	MS Racks for HM Room, Staff room, Library room, Laboratory room Material is with 0.8 mm Thick MS Sheet Conforming to Commercial Quality CR-1, Grade 340 of IS 513. size Rolled steel angle posts of 40 X 40 X 3 mm	1	x	10			10.00		
					Say	10.00	3740.00	1 No	37400
3	Reading Table in Library room Table Top Material is 20 mm thick MDF Board of grade SBG II conforming to IS12406 laminated with minimum 0.6 mm thick on Top side of type S, P or F having index 3.23 conforming to IS 2046 and minimum 0.5 mm thick balancing laminate on the other side and one side single storage is provided and under structure is with Mild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm.	1	x	5			5.00		
					Say	5.00	2600.00	1 No	13000
4	Computer Table of MDF board of grade SBG II of IS 12406/Latest Gable end and Modesty panel material is with Flat single layer pre-laminated MDF board conforming to having designation PLMDF-23 of IS 14587/Latest. The overall dimensions should be of size 1370mm X 760mm X 760mm.	1	x	30			30.00		
					Say	30.00	2400.00	1 No	72000
5	Computer Chair Pedestal Base is with Chrome finish with 5 wheels and Arm Material covered with propylene and seat material with PU Foam covered with Fabric.	1	x	50			50.00		
					Say	50.00	4998.00	1 No	249900
6	for new computers	1	x	5				LS	100000
<b>TOTAL:</b>									<b>1231450</b>

  
Assistant Engineer  
APEWIDC, Addanki

  
Executive Engineer  
APEWIDC, Ongole

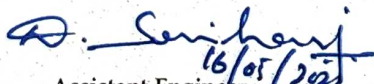
  
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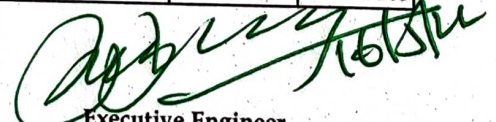
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SNo	Description of work	PAINTINGS				Est.Cost		42.35	Lakhs
		No	L	B	D	Qty	Units	Rate/ Per	Amount
1	Painting to New walls with two coats of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in All Floors INTERNAL								
	old building								
	external walls	1	x	2	40.00	3.50	280.00		
	inter wals	1	x	4	40.00	3.50	560.00		
	external walls	1	x	4	18.00	3.50	252.00		
	inter wals	1	x	4	18.00	3.50	252.00		
	partision walls both sides	1	x	32	7.00	3.50	784.00		
	sunshades bith sides	1	x	4	40.00	0.50	80.00		
	sunshades bith sides	1	x	4	18.00	0.50	36.00		
	GF front	1	x	2	100.80	4.50	907.20		
	FF front	1	x	2	100.80	4.00	806.40		
	verandha elevation	1	x	2	100.80	3.00	604.80		
	compound wall both sides im LW	1	x	4	400.00	1.50	2400.00		
	compound wall both sides im SW	1	x	4	200.00	1.50	1200.00		
	compound wall both sides on top	1	x	1	1200.00	0.23	276.00		
	ceiling	2	x	1	100.80	1.74	175.39		
	beams	1	x	56	1.74	1.00	97.44		
						8711.23	Sqm	183.50	1598511
							1	Sqm	
2	Painting to New wood work with two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade over base coat Primer with Luppam finishing after thoroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, sales & other taxes, all operational, incidental and labour charges etc., complete for finished item of work.(3 coats) (APSS No. 1201 & 1212).in All Floors								
	Windows	2	x	52.00	1.20	1.38	172.22		
	Windows	2	x	25.00	1.50	1.35	101.25		
	doors	2	x	10.00	1.20	2.1	50.40		
	doors	2	x	18.00	1.20	2.1	90.72		
	doors	2	x	27.00	1.20	2.1	136.08		
	Windows1	12	x	100.00	1.20	2.1	3024.00		
						3574.67	Sqm	211.15	754792
							1	Sqm	
									2353303

  
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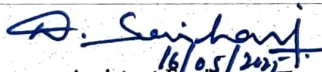
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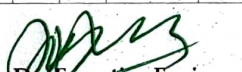
Name of the work : Construction of Building, Modernisation and Transformation of the K.R.K DEGREE COLLEGE at ADDANKI(V)&(M) in BAPATLA DISTRICT( OLD PRAKASAM DT) Under NADU - NEDU Scheme


MAJOR & MINOR REPAIRS										Estimate Cost::		2144107
SNo	Description of work	No	L	B	D	Qty	Rate	Per	Amount			
2	Plain Cement Concrete corresponding to M5 grade as per IS 456 equivalent to (1:5:10) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) 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 and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete for finished item of work for Foundations and Flooring Bed (APSS No. 402)											
	for cycle stand	1	x	1	20.00	6.00	0.10	12.00				
						Say	12.00	4076.77	Cum			48921
2	Flooring with Soluble salt porcelain vitrified tiles screen printed and polished of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712,IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs set over a base coat of CM (1:8), 12mm thick (joints of stone must be flushed) over C.C. bed already laid or R.C.C. roof slab only after it is properly cured, cleaned, moistened and where necessary treated with neat grey cement slurry of honey like consistency spread at 3.3 kgs of cement for 1 sqm. and jointed with neat cement paste to full depth, including cost and conveyance of all materials like cement, sand, water, flooring stones etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as dressing of flooring stones to the required sizes, mixing of											
	Physics lab	1	x	1	7.00	5.20		36.40				
	Physics lab 2	1	x	1	5.50	5.10		28.05				
	span physics lab 2	1	x	1	2.50	3.50		8.75				
	library	1	x	1	10.00	6.00		60.00				
	store room	1	x	1	6.90	6.00		41.40				
	coridor	1	x	1	17.90	2.80		50.12				
						Say	224.72	1016.80	Sqm			228495
3	Providing Skirting with Soluble salt porcelain vitrified tiles screen printed and polished of size 600 x 600 mm and thickness between 8-10 mm 1st quality of any size of brand as approved by Engineer - in - charge and set over a base coat of CM (1:5), 12mm thick and neat cement paste at the rate of 3.3 Kg/Sqmt. and jointed with white cement paste mixed with pigment of matching shade including cost and conveyance of all materials like cement, sand, water, tiles, etc. to site, seigniorage charges, sales and other taxes on all materials such as mixing of cement mortar, laying in position, curing, lift charges etc., complete for finished item of work (APSS No 701 & 707) in All Floors											
	Physics lab	1	x	1	24.40	0.10		2.44				
	Physics lab 2	1	x	1	21.20	0.10		2.12				
	span physics lab 2	1	x	1	12.00	0.10		1.20				
	library	1	x	1	32.00	0.10		3.20				
	store room	1	x	1	25.80	0.10		2.58				
	coridor	1	x	1	41.40	0.10		4.14				
						Say	15.68	1013.60	Sqm			15893
4	Plastering 12mm thick in two coats with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, finishing, curing, etc., complete for Even Surfaces of Wall for finished item of work. (APSS 901,903 & 904)											
	long walls	1	x	4	40.00	3.50		560.00				
	short walls	1	x	18	7.00	3.50		441.00				
						Say	1,001.00	478.20	Sqm			478678
6	Brick Masonry in superstructure with CM (1:8) prop: using second class bricks from approved source having minimum crushing strength of 40 Kg/Sqcm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing cement mortar, constructing masonry, scaffolding charges, lift charges, curing, etc., complete for finished item of work. (APSS No. 501 & 504).											
	science building parapet wall	1	x	1	58.13	0.115	0.60	4.01				
	truff walls	1	x	2	300.00	0.115	0.45	31.05				
								35.06	6897.55	Cum		241835
	Supply of Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.47 mm thickness, Coating : Alu-Zinc coating AZ 150 GSM. Tensile Strength : 550 MPA. Paint coatig : Regular Modified Polyester painting: Painting Thickness (Top) : 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length : Maximum 12 Meters with Regular Range Colours.											
	for dias	1	x	1	10.10	6.90		69.69				
	for cycle stand	1	x	1	20.00	8.00		160.00				
	staircase	1	x	1	9.00	3.50		31.50				
	stair case	1	x	1	8.00	3.00		24.00				
								285.19	411.00	Sqm		117213
	Flooring with 16 to 18mm thick high polished granite stone slabs of black colour approved by the engineer-in-charge laid over RCC slab or bed already laid and set over base coat of CM (1:8) 20mm thick including neat cement, slurry of honey like consistency spread at the rate of 3.30kg per sqm and jointed with neat white cement paste mixed with pigment of matching shade to ful all materials to work site depth including cost and conveyance of and all materials to work site and operational, incidental labour and lift charges and seigniorage charges etc., complete for finished item of work for platform in kitchen/diniing (SS 701 & special).											
	old building	1	x	1	10.00	2.50		25.00				
	class rooms	1	x	1	5.00	2.00		10.00				
								35.00	3829.35	Sqm		134027
	Providing impervious coat over RCC roof slab to required slopes with CM (1:3) prop. 20mm thick (average) mixed with water proofing compound manufactured by reputed manufacturers as approved by Engineer-in-charge at 1Kg/bag of cement, laid over roof slab when it is green, finished smooth with a floating coat of neat cement and thread lining at regular intervals of 45cmx45cm including cost and conveyance of all materials like cement, sand, water proofing compound, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, laying, rounding off at junctions of wall and slab, rendering smooth with thread lining, curing, lift charges, etc., complete for finished item of work (APSS No. 901 & 903).											
	old building roof	1	x	1	40.00	18.00		720.00				
								720.00	507.55	Sqm		365436



Providing High Yield Strength Deformed (HYSD) steel bars (Fe 500 grade as per IS 1786-1985) of 8mm to 40mm diameters, cutting, bending, to required sizes and shapes placing in position with cover blocks of approved size and binding wire of 20SWG, forming grills for reinforcement work as per approved Designs and drawings including cost and conveyance of bars from approved sources to site of work, including cost and conveyance of binding wire, cover blocks, chairs, overlaps, spacers, dowels, wastage etc., and all operational, incidental, and labour charges such as cutting, bending, placing in position, tying etc., and sales & other taxes, on cost of all materials complete for finished item of work (APSS No.126) in all floors.										
roof	1	x	1				0.60			
							0.60	87559.85	KG	52536
Supplying and fixing Gyp Board Suspended regular single layer false ceiling (GS-MFSC-4.1) using 12.5 mm thick Gyp Board conforming to IS 2095 : 1993 fixing to Gyp steel GI perimeter channels of size 20 mm x 27 mm x 30 mm(web) of 0.55 mm thick along the perimeter of ceiling screw fixed to brick work/ partition at 610 mm c/c and suspending the frame work using Intermediate channels (45 mm x 15mm x 15mm x 0.9 mm) from soffit at 1220 mm c/c with ceiling angle (25 mm x 10 mm x 0.55 mm) fixed with GI Cleat and steel expansion fasteners & connecting clip to the ceiling channels (with knurled web of 51.5 mm x 26 mm x 10.5 mm x 0.55 mm) fixed in direction perpendicular to the intermediate channel at 457 mm c/c and fixing the 12.5 mm tapered edge Gypboard with 25 mm drywall screws at 230 mm c/c & jointing and finishing using joint compound and paper tape to have a flush look including filling the tapered & square edges with jointing compound, two coats of drywall topcoat including overheads and contractor profit etc., complete for finished item of work										
for naac room	1	x	1	9.00	5.90		53.10			
							53.10	913.00	Sqm	48480
Door shutter of Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 35 mm thick conforming to IS:2202 commercial ply with internal lipping on all sides including cost and conveyance to site of door frame, flush shutter, including ISI marked aluminium fixtures. 1 No. aldorp 250mm long, 1 No tower bolt of 300mm x 12mm dia, 2 Nos 125mm long handles, 1 No. rubber bush including labour charges for fixing the frame in position. fixing the shutter to the frame etc., complete for finished item of work as per APSS 1Q01 & 1Q02. (The vertical frame of door shall be embedded in flooring for depth of not less than 10mm) (1200mm x 2100mm).										
for old building	1	x	6	1.20	2.10		15.12			
							15.12	4798.20	Sqm	72549
for new window and window repairs										
windows	1	x	30							300000
7 Supply and Fixing MS GILLS including Labour Charges for fixing complete including cost and conveyance of all materials to site, sales and other taxes, all labour charges etc., complete for finished item of work										
Staircase Grills	1	x	2				200.00			
for new block	1	x	1				100.00			
old building	1	x	1				100.00			
						Say	400.00	100.11	KGS	40044
									TOTAL	2144107

  
Assistant Engineer  
APEWIDC, Addanki

  
Executive Engineer  
APEWIDC, Ongole

  
Executive Engineer  
APEWIDC, Ongole



**SUB ESTIMATE- INTERNAL ROADS**

**Name of the work : Construction of Building, Modernisation and Transformation of the K.R.K DEGREE COLLEGE at ADDANKI(V)&(M) in BAPATLA DISTRICT( OLD PRAKASAM DT) Under NADU - NEDU Scheme**

<b>BALANCE OF CC ROAD</b>											
SNo	Description of work	No	L	B	D	Qty	Rate	Per	Length	490.00	m
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).										
	Internal Road	1	x	1	300.00	5.00	0.15	225.00			
								225.00	253.35	1 Cum	57004
								Cum			
2	Filling with Gravel In basements with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational & incidental charges, labour charges, seignorage charges, hire and opertaional charges of T & P etc., complete for finished item of work. (APSS NO. 309 & 310)										
	Base course	1	x	1	300.00	5.00	0.15	225.00			
	Top Layer	1	x	1	300.00	5.00	0.10	150.00			
								375.00	449.55	1 Cum	168581
								Cum			
3	Supply of Rough stone boulders of 225mm size including cost and conveyance of all material and labour charges for spreading etc, complete.										
	Solling course	1	x	1	300.00	5.00	0.23	345.00			
								345.00	683.66	1 Cum	235863
								Cum			
4	Rolling with 12 Tonnes Roller over GSB including Watering ,hire charges of T & P etc complete										
	Base course	1	x	1	300.00	5.00		1500.00			
	Solling course	1	x	1	300.00	5.00		1500.00			
								3000.00	120.00	1 Sqm	360000
								Sqm			
5	Plain Cement Concrete corresponding to M7.5 grade as per IS 456 equivalent to (1:4:8) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) 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 and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete for finished item of work for Foundations (APSS No. 402)										
	CC Road Pavement	1	x	1	300.00	3.75	0.075	84.38			
								84.38	4212.25	1 Cum	355430
								Cum			
6	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 (APSS No. 402)										
	CC Road Pavement	1	x	1	300.00	3.75	0.10	112.50			
								112.50	5856.60	1 Cum	658868
								Cum			
								Sub - Total		1835746	

*A. Sathish*  
16/05/2022  
Assistant Engineer  
APEWIDC, Addanki

*[Signature]*  
Dy. Executive Engineer  
APEWIDC, Ongole


*[Signature]*  
Executive Engineer  
APEWIDC, Ongole



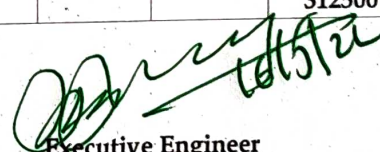
## DETAILED CUM ABSTRACT ESTIMATE

**Name of the work : Construction of Building, Modernisation and Transformation of the K.R.K DEGREE COLLEGE at ADDANKI(V)&(M) in BAPATLA DISTRICT( OLD PRAKASAM DT) Under NADU - NEDU Scheme**

SNo	Description of work	No	L	B	D	Qty	Units	Rate/ Per	Amount
1	Suppy and Fixing / Erection of e-3 ceramic magnetic Green Chalk Board of size 8 X 4 (2.4x1.2m) with vitrious enamil coated sheet made up of 0.3 to 0.4 mm thick steel sheet having 0.095 mm thick on top and 0.03 mm min on the back supported with 9mm thick MDF board having bulk density of 750 kg/cum and laminated with 0.25 mm thick electro galvanised steel sheet at the back. Both the top and backing sheet shall be properly fixed with MDF board using suitable adhesive to avoid any moisture absorption. Fixed in deluxe quality aluminium channels conforming to ISI standards including cost, transportation and all labour charges for fixing etc complete for finished item of work								
	Green Chalk Boards	1	x	25					
						25.00			
						25.00	No	12500.00	312500
									312500

  
Assistant Engineer  
APEWIDC, Addanki

  
Dy. Exe. Engineer  
APEWIDC, Ongole

  
Executive Engineer  
APEWIDC, Ongole

**DETAILED CUM ABSTRACT ESTIMATE**

Name of the Work: Construction of Building, Modernisation and Transformation of the KRK Govt. Degree College Building at Addanki (V & M) in Prakasam District Under NADU - NEDU Scheme

COMPOUND WALL									
SNo	Description of work	No	L	B	D	Qty	Rate	Per	Amount
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)								
	Footings	1 x 133	0.90	0.90	0.90	96.96			
	Basement	1 x 1	400.00	0.38	0.10	15.20			
	Deduct Footing	1 x 133	0.90	0.90	0.10	-10.77			
						101.39	253.35	Cum	25687
2	Plain Cement Concrete corresponding to M5 grade as per IS 456 equivalent to (1:5:10) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) 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 and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete for finished item of work for Foundations and Flooring Bed (APSS No. 402)								
	Footings	1 x 133	0.90	0.90	0.10	10.77			
	Basement	1 x 1	400.00	0.38	0.10	15.2			
	Deduct Columns	1 x 133	0.23	0.23	0.10	-0.7			
						25.27	4076.77	Cum	103020
3	Vibrated Reinforced Cement Concrete M 20 Design Mix ( by weigh batching ) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work for foundation, (APSS No. 402 & 403) For Columns								
	Columns	1 x 133	0.23	0.23	2.40	16.89			
						16.89	12326.30	Cum	208191
4	Vibrated Reinforced Cement Concrete M 20 Design Mix ( by weigh batching ) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work for foundation, (APSS No. 402 & 403) For Plinth Beam								
		1 x 1	400	0.23	0.30	27.6			
	Deduct Columns	1 x 133	0.23	0.23	0.30	-2.11			
						25.49	12326.30	Cum	314197
5	Brick Masonry in Basement with CM (1:6) prop: using Fly ASH Bricks of size 290x225x140mm with compressive of 50 Kgs / Sqcm from approved source including cost and conveyance of all materials like cement, sand, fly ash bricks, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing cement mortar, constructing masonry, scaffolding charges, lift charges, curing, etc., complete for finished item of work. for basement (APSS No. 501 & 504).								
	For around compound wall	1 x 1	400	0.23	0.60	55.2			
	Deduct Columns	1 x 133	0.23	0.23	0.60	-4.22			
						50.98	6897.55	Cum	351637
6	Brick Masonry in superstructure with CM (1:8) prop: using second class bricks from approved source having minimum crushing strength of 40 Kg/Sqcm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing cement mortar, constructing masonry, scaffolding charges, lift charges, curing, etc., complete for finished item of work. (APSS No. 501 & 504).								
	For around compound wall	1 x 1	400	0.23	1.50	138			
	Deduct Columns	1 x 133	0.23	0.23	1.50	-10.55			
						127.45	6897.55	Cum	879093



7	Plastering 12mm thick in two coats with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, finishing, curing, etc., complete for Even Surfaces of Wall for finished item of work. (APSS 901,903 & 904)									
	Compound Wall alround	1	x	1	400		4.0	1600		
								1600	478.20 Sqm	765120
9	Painting to New Iron work with two coats of ready mixed Synthetic Enamel paints in all shades Grade - I having VOC for Gate	1	x	1	3.85		3.85	14.82		
							Say	14.82	119.10 Sqm	1765
10	Providing High Yield Strength Deformed (HYSD) steel bars (Fe 415 grade as per IS 1786-1985) of 8mm to 40mm diameters,	1	x	1				12.000	87559.85 Mt	1050718
11	Cost and supply and fixing of MS Iron grills desihn and grills cum doors with 25mm x 6mm angle and the grils and 10mm Gate	1	x	1				350	100.11 Kgs	35038.5
12	Supplying and fixing of galvanised steel barbed wire (IS: 278-1962 Type -1) weighing 9.38 kg per 100 meteres (min) straining,									
	Horizontals	1	x	5	400.00			2000.00		
	Verticals	2	x	133	1.50			399.00		
							Say	2399.00	12.21 Sqm	29290
12	Supply & Fixing of 50x50x6mm MS Angular Grill including cost and conveyance all materials and labour charges for	1	x	133	1.50			199.50		
					199.50	4.050	Kg/m	807.98		
							Say	807.98	100.11 Kg	80886
									Total :	3844642.5

*D. Santhosh*  
16/05/2018  
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