



ANDHRA PRADESH



NAADU-NEDU-2022
REVISED DETAILED PROJECT REPORT

Submitted By



GOVERNMENT DEGREE COLLEGE
URAVAKONDA



SUBMITTED TO
Commissionerate of collegiate education
Vijayawada

12-05-2022

To,
The Commissioner of Collegiate Education,
Govt. of Andhra Pradesh,
VIJAYAWADA.

Respected Sir,

Sub: GDC, Uravakonda-Filled proforma Revised Naadu-Nedu Estimates
submitting-Reg

Ref: Instructions of the Commissioner, APCCE, Govt. of AP, Vijayawada on
NAADU-NEDU-Video conference held on 05-05-2022

In accordance with the instructions of the Commissioner of Collegiate Education, AP, Vijayawada, I hereby submit the revised estimates of NADU-NEDU provided by the Executive Engineer, APEWIDC, Anantapur.

This is for your kind information and favour.

Thanking you Sir


PRINCIPAL
Govt. Degree College
URAVAKONDA.

**Commissionerate of Collegiate Education
Government of Andhra Pradesh**

Proforma for submission of information on NAADU-NEDU proposal

-
1. College details and Address: **Government Degree College, Uravakonda**
 2. Name of the Principal: **Dr. G. Ramakrishna**
 3. Mobile No: **9948098811**
 4. College mail ID: gdc.uravakonda@gmail.com
 5. Name and Mobile No. of NAADU-NEDU coordinator: **Dr. K. Sudhakar 9949032049**
 6. Details about Programmes offering and student strength:

S.No	Name of the Programme	Student Strength				Student strength		
		I Yr	II yr	III yr	Total	Men	Women	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	B.A HEP	57	92	70	219	159	60	219
2	B.Com CA	60	60	50	170	116	65	181
3	B.Com Gen	59	101	59	219	149	59	208
4	B.Sc BZC	42	50	50	142	63	79	142
5	B.Sc MPC	0	17	17	34	18	16	34
6	B.Sc MPCs	34	31	24	89	56	33	89
7	B.Sc MSCs	35	40	19	94	66	28	94

7. Action Plan for Institutional Development for next 5 years:
 - To achieve a GOOD grade in forthcoming NAAC accreditation
 - Obtaining autonomous institution status within 2 years
 - To achieve increased learning outcomes of the students
 - Implementation of academic and non- academic reforms
 - Greater employability and provision for students to pursue higher studies and research
-

- Quality education through better infrastructure
 - Social responsibility, civic awareness, and self-reliance among students
 - The institution plans to sign MOUs with local industry for research, training, and employing the students.
 - To introduce new courses to make education accessible to more women students from rural areas and less privileged sections of the society.
 - Add on courses to improve the employability of the students.
 - To make the teaching-learning process more effective by introducing smart classrooms, ICT integrated teaching and trained faculty in innovative teaching methodology.
 - Improve social responsibility and awareness in the students by pushing for more collaborative interaction between agencies working with a social concern
 - To secure good rank in NIRF rankings and achieve the status of centre of excellence
 - To develop institute as a skill enhancement centre.
 - To prepare the students to face global competition in job market.
 - To develop cordial relations with other government departments for the growth of the institution.
-

8. SWOC Analysis of the College:

S: Strengths:

- Well established Govt. institution, Sufficient infrastructure
- Big Play Ground, Serene atmosphere
- Well ventilated Class Rooms
- Sufficient furniture
- Qualified and experienced faculty, 2 NSS wings
- Jawahar Knowledge Centre (JKC), MANA TV
- Computers with latest configuration in a separate computer lab with UPS facility.
- Availability of Computers with internet facility
- Good library, Seminar hall

W: Weaknesses:

- Transfers of faculty
- Few Guest and Contract faculty
- College timings not conducive for non local students
- Absence of non local students for Games and Sports
- Rural background of students
- Retention Strategies Rigidity
- Lack of Marketing
- No hostel facility

O: Opportunities:

- Scope for PG Courses
 - Going for autonomous status
 - To prepare students for competitive exams
 - Conducting PG entrance coaching
 - To conduct National Seminars
 - To host University level Games & Sports competitions.
 - To conduct youth festivals at district / state level.
 - JKC, GYM, APSSDC
-

C: Challenges

- Job opportunities
- Students of Rural areas
- Away from the town by 1Km
- Uneducated parents
- Competition from private college
- Less enthusiastic parents to send their children to college.

9. Details of the NAADU-NEDU works proposed under 9 components: (enclose estimations given by APEWIDC)

S.No	Name of the Component	Justification for each component
1	Toilet blocks with Running Water	The present toilets blocks are not enough to cater for the needs of students as the strength has grown considerably in the last few years. Renovation and upgrading of existing toilet rooms will improve sanitation and comfort. The establishment of the new toilets blocks with running water is very much required to facilitate the students to attend their natural calls without any difficulty, particularly girl students.
2	Electrification	Electrification in the entire college was done long ago and due to seepage of water and cracks in the walls, the wiring has been damaged. Hence renovation of electrification is crucial for the college's safety, as well as ensuring the longevity of the electrical equipment of the college.
3	Drinking water supply	The present R.O. Water plant caters for the needs of the students on the ground and first floor of the old building. Therefore, another RO plant needs to be set up at the New RDT building to provide clean, safe drinking water to all students in the new building.
4	Furniture	Exciting furniture is, insufficient, old, and dilapidated for both students and staff. According to the classrooms, additional furniture is required to establish an appropriate learning environment in the college.
5	Major & Minor Works	1 To replace the shrunk ground floor in the verandah of Library and Physics departments. 2 The old building roofs in the college are having water leakage and cracks in some areas. To prevent water leakage from the roofs the Ceiling Repair works are needed in the college.

Government Degree College, Uravakonda - 515 812

		3 The present existing cycle shed is not fulfilling the needs of students and staff. Hence renovation of the existing cycle shed is very essential.
6	Painting	The painting was done long ago in the college. Because of rains and other reasons, painting was completely faded in the campus. The college needs painting to have face lift as we are going for Cycle-2 of NAAC reaccreditation.
7	Smart Boards	Required for students to acquaint with interactive learning and evaluation purposes in order to enhance the learning skills among the students
8	English Language Lab and Digital Library	NIL
9	Compound Wall	The college has 11.6 Acr of land without a compound wall. It is very necessary to build a compound wall to prevent public expropriation and occupation of college land. In addition, it is essential for the protection of the college infrastructure safe and secure.

10. Whether enclosed the estimates given by APEWIDC: **Enclosed**

11. Any other information:



PRINCIPAL
Govt. Degree College
URAVAKONDA.

Signature of the Principal

GOVERNAMENT OF ANDHRA PRADESH

A.P EDUCATION AND INFRASTRUCTURE DEVELOPMENT CORPORATION

DETAILED PROJECT REPORT

**Name of the Work: Providing Amenities to Govt. Degree College at Uravakonda (V&M) in
Ananthapuramu Dist.Under NADU – NEDU Scheme**

Estimate Cost Rs.190.00 Lakhs

Section	: URAVAKONDA
Sub-Division	: ANANTHAPURAMU
Division	: ANANTHAPURAMU
Circle	: KADAPA

**EXECUTING AGENCY
EXECUTIVE ENGINEER (APEWIDC)
ANANTHAPURAMU**


Name of the Work: Providing Amenities to Govt. Degree College at Uravakonda (V&M) in Ananthapuramu Dist.Under NADU – NEDU Scheme

GENERAL ABSTRACT


Sl. No	Description	Amount
1	Construction of Toilet with Running Water	1789864
2	Electrification (As per Sub Estimate)	1149887
3	Provision for Funiture & Computer Equipment	1309840
4	Major & Minor Repairs	1694287
5	Drinking Water Supply	494412
6	Painting to College building	2057201
7	Compound Wall & Gates (600Mts)	5779604
8	Green Chalk Boards	381500
	SubTotal :	14656594
9	SEIGNORAGE CHARGES @1% ON CIVIL WORK	146566
10	Provision for Price Adjustment of Cement & Steel	200000
11	Provision for NAC @ 0.10%	15003
12	PROVISION FOR GST@ 12%	1802180
13	PROVISION FOR PS CHARGES@ 7%	1025962
14	QC CHARGES @ 0.50%	73283
15	Provision for Consultancy charges 2%	293132
16	Provision Paper publication charges	50000
17	Provision for Unforseen items	737280

Grand Total: Rs.

19000000


Asst. Engineer
APEWIDC, Uravakonda

Executive Engineer
APEWIDC, Ananthapuramu


Dy. Executive Engineer,
APEWIDC, Ananthapuramu

DETAILED ESTIMATE

Name of the Work: Providing Amenities to Govt. Degree College at Uravakonda (V&M) in Ananthapuramu Dist.Under NADU – NEDU Scheme

Sl No:	Description of Item	No.s			Measurements			Qty	Unit	Rate /Per	Amount
					L	B	D				
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)										
	For footings	4	x	2	1.25	1.25	1.2	15			
		6	x	2	1.15	1.15	1.2	19			
	For Basement	2	x	4	1.57	0.6	0.6	4.52			
		2	x	4	1.62	0.6	0.6	4.67			
	For Steps	1	x	2	1.2	1.2	0.3	0.86			
	Ramp	1	x	2	4.6	0.60	0.3	2.76			
								46.9	1	Cum	202.65
											9494
2	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)										
	For footings	4	x	2	1.25	1.25	0.1	1.25			
		6	x	2	1.15	1.15	0.1	1.59			
								2.84	1	Cum	3775.05
											10721
3	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)										
	under plinth beam	2	x	2	2.9	0.45	0.1	0.52			
		3	x	2	2.22	0.45	0.1	0.6			
		6	x	2	1.24	0.45	0.1	0.67			
	For steps	1	x	2	1.2	1.2	0.1	0.29			
		1	x	2	4.6	0.6	0.1	0.55			
	Under flooring	4	x	2	3.12	2.44	0.1	6.09			
								8.72	1	cum	3639.58
											31737
4	Vibrated Reinforced Cement Concrete M 20 Nominal 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 380 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, plinth , pedestals(below plinth)(APSS No. 402 & 403)										

	Footings	4	x	2	1.1	1.1	0.23	2.23				
		6	x	2	1	1.1	0.23	3.04				
								5.27	1 cum	8765.85	46196	
	Pedestals	4	x	2	0.38	0.45	0.6	0.82				
		6	x	2	0.38	0.38	0.6	1.04				
								1.86	1 cum	9264.65	17232	
5	Vibrated Reinforced Cement Concrete M 25 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 380 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 Steel scaffolding pipes, jack Props, wallers, Foot plates, brackets, steel Centering Plates, 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, plinth, pedestals (below plinth) (APSS No. 402 & 403)											
	a) Columns	4	x	2	0.23	0.3	3.45	1.9				
		6	x	2	0.23	0.3	3.45	2.86				
								4.76	1 cum	10588.70	50402	
	b) Plinth Beam	2	x	2	11.8	0.23	0.23	2.49				
		5	x	2	3.12	0.23	0.23	1.65				
		1	x	2	11.3	0.23	0.23	1.2				
		8	x	2	1.45	0.23	0.23	1.23				
	c) Roof beams	2	x	2	11.8	0.23	0.23	2.49		11151.75	73267	
		5	x	2	3.12	0.23	0.23	1.65				
	Roof slab 120mm	1	x	2	12.4	4.18		4.14	1 cum	9072.20	37559	
								104	1 sqm	1074.75	111237	
6	Random Rubble stone masonry, in CM (1:8) prop: (Cement: Sand) using Hard blasted Granite stones from approved quarry including cost and conveyance of all materials like Granite stones, cement, sand, water, etc., to site including seigniorage charges, sales & other taxes on all materials, all operational, incidental, and labour charges such as cutting stones to required size and shape, mixing of cement mortar, constructing masonry, curing etc., complete for finished item of work for foundation and basement (APSS No. 601 & 615)											
		1	x	2	29.5	0.45	0.9	23.9	1 cum	3395.00	81174	
7	Brick Masonry in superstructure with CM (1:8) prop: using fly ash 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).											
	wall	4	x	4	2.54	0.23	2.7	24.7				
	wall	2	x	2	3.12	0.23	2.7	7.58				
	Deduct door	1	x	2	0.9	0.23	2.1	-0.4				
								31.8	1 Cum	6332.70	201633	
8	Reinforced Fly Ash Brick Masonry 10cm thick for partition walls in CM (1:4) prop: Fly Bricks of size 290x100x140mm with compressive of 50 Kgs / Sqcm from approved source and placing 2nos. of 6mm dia MS bars embedded in every 3rd layer with free ends of reinforcement keyed into mortar joints of the main brick work wherever applicable including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, 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., but excluding cost and conveyance of steel and its fabrication charges complete for finished item of work. (APSS No. 501 & 509)											
	walls	1	x	2	9.48		2.2	41.7				
		7	x	2	1.52		2.2	46.8				
		1	x	2	1.5		2.2	6.6				
	Deduction door	8	x	2	0.75		2.1	-13				
								82.5	1 sqm	736.30	60767	

9	Ornamental Plastering 12mm thick in two coats with base coat of 8mm thick in CM (1:5) and top coat of 4mm thick in CM (1:3) 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)	1	x	2	11.3		3.12	70.6			
		2	x	2	12.4		0.3	14.9			
		2	x	2	3.58		0.3	4.3			
								89.8	1 sqm	408.76	36706
10	Plastering with CM(1:3) 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. (APSS 901,906)										
	Internal walls	2	x	2	11.3		3	136			
	Internal walls	2	x	2	3.12		3	37.4			
	Partitions	2	x	2	9.78		2.2	86.1			
	Partitions	1	x	4	3.12		2.2	27.5			
	Partitions	6	x	4	1.5		2.2	79.2			
	Deduction door	0.5	x	2	0.9		2.1	1.89			
		8	x	2	0.75		2.1	25.2			
								339	1 sqm	393.25	133276
11	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)										
	walls	2	x	2	11.8		3.75	177			
	walls	2	x	2	3.58		3.75	53.7			
								230	1 sqm	393.25	90605
12	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).										
	Over roof	1	x	2	12.4	4.18		104	1 sqm	440.40	45581
13	Providing and fixing factory made solid Wood Polymer Composite (WPC) single extruded Door Frame section of size with encapsulation of 8MM rigid layer on all the six surfaces. The door frame will have a rebate of 32MM Door Frame section of 45x75 MM. The two Vertical members are to be joined together with the horizontal member using 8x50 MM long MS Star full threadscrews to be used with reverse forward speed control hand drilling machine. The ready/assembled door frame is fixed to the wall using hold fast or bolt fasteners. A minimum of 4 No. of screws to be provided for each vertical member & minimum 2 no.s for horizontal member.	1	x	2	6			12			
		8	x	2	4.95			79.2			
								45.6	1 m	574.90	26215
14	Providing and fixing 28 -30 MM thick solid Wood Polymer Composite (WPC) single extruded door shutter with 3MM top and bottom rigid layer with an overall density of 750kg/Cum. It will be fixed to the frame using 3 inch /4 inch hinges. A minimum of 4 hinges will be required for fixing the door with the frame	1	x	2	0.9		2.1	3.78			
		8	x	2	0.75		2.1	25.2			
								14.5	1 sqm	3442.55	49883

15	Dadoing to walls with glazed red or white full body ceramic wall tiles of size 300 x 450 mm / 320 mm x 400 mm and thickness 6 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 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											
	WCS allround	1	x	2	9.28		1.8	33.4				
	WCS allround	7	x	2	5.48		1.8	138				
	Column allround	1	x	2	23		1.8	82.7				
	Deduction door	8	x	2	0.75		-1.8	-22				
		1	x	2	0.9		1.8	-1.6				
								231	1 sqm		516.15	119205
16	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											
		1	x	2	3.12		1.52	9.48				
		2	x	7	1.52		1.22	26				
	Corridor	1	x	2	9.97		1.5	29.9				
	Under door	2	x	8	0.75		0.15	1.8				
		2	x	1	0.9		0.15	0.27				
	Steps	2	x	1	1.8		1.2	4.32				
	Roof	2	x	1	4.6		1.2	11				
								82.8	1 sqm		853.65	70665
17	Filling with useful available excavated earth (excluding rock) in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyence of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS NO. 309 & 310)											
		2	x	1				4.67	1 cum		28.98	135
18	Filling with Gravel in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyence of water to the work site and all operational, incidental, labour charges, seigniorage charges, hire charges of T & P etc., complete for finished item of work. (APSS NO. 309 & 310)											
	For Basement	2	x	1	10.9	2.9	0.45	28.4				
		2	x	1	11.1	3.12	0.15	10.4				
								19.4	1 cum		406.45	7881
19	Supplying and fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of white glazed with 'S' trap, supplying and fixing best Indian make plastic seat and lid for European water closets with rubber or plastic Buffers as per IS 2548-1996 and 10 litres capacity single flush PVC low level cistern with internal components and fixed using required size of nails and screws, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 12mm PVC connections with brass union nuts CP coated including cost and conveyance of all materials to site, overheads & contractors profit etc., complete for finished item of work for all floors.											
		2	x	2				2				
								2	1 No		5133.00	10266

[illegible]

[illegible]

Septic Tank												
35	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 seigniorage charges excluding dewatering charges etc., complete for Foundation of Building.(APSS No. 308)											
		1	x	1	5.6	3.2	2.4	43	1	cum	202.65	8716
36	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)											
		1	x	1	5.6	3.2	0.1	1.79	1	cum	3639.58	6515
37	Random Rubble stone masonry, in CM (1:8) prop: (Cement: Sand) using Hard blasted Granite stones from approved quarry including cost and conveyance of all materials like Granite stones, cement, sand, water, etc., to site including seigniorage charges, sales & other taxes on all materials, all operational, incidental, and labour charges such as cutting stones to required size and shape, mixing of cement mortar, constructing masonry, curing etc., complete for finished item of work for foundation and basement (APSS No. 601 & 615)											
	walls	2	x	1	5.45	0.45	2.75	13.5				
		2	x	1	2.13	0.45	2.75	5.27				
								18.8	1	cum	3395.00	63690
38	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).											
	walls	2	x	1	5.45	2.75		30				
	walls	2	x	1	2.13	2.75		11.7				
	Bottom	1	x	1	4.5	2.13		9.59				
	Over slab	1	x	1	5.45	3.05		16.6				
	Sides	1	x	1	17	0.6		10.2				
								78.1	1	sqm	440.40	34400
39	Vibrated Reinforced Cement Concrete M 20 Design Mix (by Mixer) using 20mm size (SS5) hard granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 380 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 Steel scaffolding pipes, jack Props, wallers, Foot plates, brackets, steel Centering Plates, 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 (APSS No. 402 & 403) For coloumns , Lintels, Water tanks, Rcc walls in building											
		1	x	1	5.45	3.05	0.12	1.99	1	cum	10588.70	21072

[illegible]

Sub - Estimate

Name of the Work: Providing Amenities to Govt. Degree College at Uravakonda (V&M) in Ananthapuramu Dist.Under NADU - NEDU Scheme

PROVIDING ELECTRIFICATION(Old Rooms)

Sl.No	Description	No.			Measurements			Qty	Rate	Per		Amount
					L	B	D					
1	2	3	4	5	6	7	8	9	10			
1	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 / GoldMedal / Million plast / GM / Sudhakar / Anchor/ Polyline/ Polycab/ Orbit/AKG											
	GF in Walls	1	x	1	200	-	-	200				
								200	106.95	1	Rmt	21390
2	Wiring with 2 runs of 14/0.3mm (1.0 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable in existing pipe with 6A / 10A 1 Way 1 Module Modular Switch control with 6 Module Hot Dip Galvanized modular type Metal Box covered with 6 Modular Cover Frame, 3 Plate Jumbo Ceiling Rose including all labour charges etc., complete for light, bell, fan and exhaust fan points in Non-Residential Buildings.Copper wire make: Gloster/ Polycab / Bonton / V-Guard / GM / Million / HPL / Goldmedal / Finecab / Fortune Art / Kundan cab/Sudhakar/Orbit/Standard/Tamra/Anchor. Modular Switch, Socket, Metal box & Cover frame Make:Legrand Arteor / Schneider Zen celo/ Crabtree Murano / GM-Zenova/Goldmedal (i-Push).Ceiling Rose Make:Anchor / Gold Medal Olive / Million Zoom											
	GF	1	x	1	300	-	-	300				
								300	777.65	1	Each	233295
3	Supply and fixing of 6A / 10A 3/2 Pin 2 Module Modular Socket with shutter with 6A / 10A 1 Way 1 Module Modular Switch control on a Common switch board with with 3 Module Hot Dip Galvanized Modular Metal Box covered with 3 Modular Cover Frame with earth continuity including wire leads, earth connections along with all labour charges etc., complete.Modular Switch, Socket, Metal box & Cover frame Make:GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge.											
	GF	1	x	50	-	-	-	50				
								50	278.41	1	Each	13920
4	Supply and Fixing of 16A 2 Module Modular Socket with shutter and 16A / 20A 1 Way 1 Module Modular Switch duly recessed in wall with 3 Module Hot Dip Galvanized Modular Metal Box size covered with 3 Modular Cover Frame including earth connections and all labour charges etc., complete.[Power plug] Modular Switch,socket,metal box & Cover frame Make:GM Four-Five /Legrand Arteor/ Schneider Zen celo / MK Blenge.											
	GF	1	x	30	-	-	-	30				
								30	574.44	1	Each	17233
5	Supply and run of 1 of 14/0.3mm (1.5 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable in existing pipe for earth continuity including all labour charges etc., complete. Makes:Gloster/ Polycab / Bonton / V-Guard / GM / Million / HPL / Goldmedal / Finecab / Fortune Art / Kundan cab/Sudhakar/Orbit/Standard/Tamra/Anchor											
	GF	1	x	1	600	-	-	600				
								600	32.20	1	Rmt	19320

6	Fixing of LED street light luminary with 1.0 Mtr., 25mm Nominal Bore Medium grade G.I.Pipe bracket and anti tilting MS flat etc., including giving connections and labour charges etc., complete.												
	For out side	1	x	10		-	-	10					
								10	764.70	1	Nos		7647
7	Supply and Fixing of batten holder/angle holder on existing block with 13W CFL lamp and all labour charges etc., complete. In lieu of ceiling rose.Makes: Anchor / Gold Medal Olive / Million Zoom. 13W CFL lamp Make;Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Surya / HPL / Halonix.												
	Toilets	1	x	80	-	-	-	80					
								80	151.34	1	Nos		12107
8	Providing Enhancement of Trasformer 25KV with All Power lines and Etc										1	Nos	100000
9	Supply, Transportaton, and fixing of 4-28W 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. Makes: Bajaj/Crompton/Trinic or its equivalent.												
		1	X	125				125	1135.40	1	Nos		141925
10	Supply and Transportation of 48" (1200mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings, power input not more than 50W , air delivery more than 200 cubic meter/min but without Regulator. Makes : Crompton / Bajaj Kassels 50 / Usha atom												
		1	X	100				100	2639.28	1	Nos		263928
11	Labour charges for fixing of ceiling fan with regulator including transportation, 3 core wire leads etc complete												
		1	X	100				100	203.30	1			20330
12	Supply of Modular type Electronic fan regulator hum free step type socket size in the existing switch board.												
		1	X	100				100	456.73	1			45673
13	Supply and run of 2 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 ligting circuits including labour charges etc., complete as required for switch boards. Makes of wires:- Finolex / RR kabel / Havells / APAR E-beam / KEI / Polycab / Bonton / V-Guard / GM / Million / HPL / Goldmedal / Finecab / Vimal / Fortune Art / Gloster / Kundan cab/Sudhakar												
		1	X	1	800			800	88.45	1			70760
14	Supply and 2 runs of 4.0 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 conduit pipe for run of mains including labour charges etc., complete as required including labour charges for 16A sockets. Makes of wires:- Finolex / RR kabel / Havells / APAR E-beam / KEI / Polycab / Bonton / V-Guard / GM / Million / HPL / Goldmedal / Finecab / Vimal / Fortune Art / Gloster / Kundan cab/Sudhakar												
		1	X	1	400			400	134.30	1			53720

[illegible]

Executive Engineer,
APEWIDC, Ananthapuramu

DETAILED CUM ABSTRACT ESTIMATE

**Name of the Work: Providing Amenities to Govt. Degree College at Uravakonda (V&M) in Ananthapuramu
Dist.Under NADU – NEDU Scheme**

	Major & Minor Repairs										
SNo	Description of work	No			L	B	D	Qty	Rate	Per	Amount
								Kgs			
1	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 Patch works	4	x	4	9.00	0.23	0.45	14.90	6332.70	1Cum	94357
								Sqm			
2	RCC Precasted Templates of 0.45mts width 50mm thick										
	For Expansin Joints	4	x	4	9	0.45	0.05	3.24	10687.45	1Cum	34627
								Sqm			
3	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)										
a	GROUND FLOOR										
	For Patch works						Say	150.000	393.25	1Sqm	58987.5
								Sqm			
4	Supply and Ms Grills for Ventilator										
a	GROUND FLOOR										
	For Ms Grills	1	x	1	1000			1000.00			
							Say	500	90.99	1Kgs	45495.95
								Sqm			
5	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, moistered and where necessary treated with neat grey cement slurry of honey like consistency spred 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 cement mortar, laying, jointing, curing, lift charges etc., complete for finished item of work.(APSS No.703 & 701)										
		1	x	3	20.00	7.00		420.00	904.90	Sqm	380058

Name of the work:- Rennovation of Class Rooms & Labs to Govt.Degree College at Uravakonda (V&M) IN ANANTHAPURAMU DISTRICT.

[illegible]

DETAILED ESTIMATE

Name of the Work: Providing Amenities to Govt. Degree College at Uravakonda (V&M) in Ananthapuramu
Dist.Under NADU – NEDU Scheme

[illegible]

Executive Engineer
APEWIDC, Ananthapuramu

Estimate for Compound Wall

Name of the Work: Providing Amenities to Govt. Degree College at Uravakonda (V&M) in Ananthapuramu Dist.Under NADU – NEDU Scheme

Sl. No	Description	No's			Measurements			Qty	Rate/Unit	Amount
					L	B	D			
1	Earth work excavation for foundations (Mechanical Means) for buildings in ordinary soils and depositing on bank for all lifts and with an initial lead of 10m and up to 3m depth including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., and overheads & contractors profit complete for finished item of work excluding dewatering charges etc. as per SS 20 B (APSS 308)									
	For Footings									
	Around of Compound wall	1	X	200	1.05	1.05	1.2	264.6		
	Add extra							1.73		
								266.33	202.65	53972
								Cum	Cum	
2	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 and Flooring Bed (APSS No. 402)									
	For Footings									
	Around of Compound wall	1	X	200	1.05	1.05	0.1	22.05		
	Add extra							3.05		
								25.1	3775.05	94754
								Cum	Cum	
3	Random Rubble stone masonry, in CM (1:8) prop: (Cement: Sand) using Hard blasted Granite stones from approved quarry including cost and conveyance of all materials like Granite stones, cement, sand, water, etc., to site including seigniorage charges, sales & other taxes on all materials, all operational, incidental, and labour charges such as cutting stones to required size and shape, mixing of cement mortar, constructing masonry, curing etc., complete for finished item of work for foundation and basement (APSS No. 601 & 615)									
	Compound wall Bet Columns	1	X	1	600	0.45	0.6	162		
	(-) Deduction for Columns	1	X	200	0.23	0.23	0.6	6.35		
								168.35	3395.00	571548
4	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SSS) 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 Cashewing Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering, machine of 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, plinth pedestals (below plinth) (APSS NO. 402 & 403) .for footing.									
	Around of Compound wall	1	X	200	0.9	0.9	0.23	37.26		
	Add extra							0.96		
								38.22	8765.85	335031
5	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SSS) 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 Cashewing Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering, machine of 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, plinth pedestals (below plinth) (APSS NO. 402 & 403) .for columns									
A	COLUMNS									
	Columns Upto Plinth Beam total	1	X	200	0.23	0.23	2.9	30.68		
	Columns Above plinth							1.19		
								31.87	10588.70	337462

6	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 Cashewing Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering, machine of 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 plinth beam .									
	Alround Compound wall	1	X	1	600.00	0.23	0.23	31.74		
	Add extra							0.24		
								31.98	11151.75	356633
								Cum	Cum	
7	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)									
	Alround Compound wall	1	X	1	600.00	0.23	1.8	248.4		
	(-) Deduction for Coloums	1	X	200	0.23	0.23	1.8	19.04		
								267.44	6332.70	1693617
8	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, seigniorge charges, sales & other taxes on all materials, all opertional, incidental charges and labour charges such as mixing mortar, scaffolding charges, lift charges, including cutting of Grooves wherver necessary as directed by Engineer - in - charges, finishing, curing, etc., complete for Even Surface of Wall for finished item of work. (APSS NO. 903&904) for Ground floor .									
	Alround Compound wall	1	X	2	600.00	2		2400		
	top	1	X	1	600.00		0.23	138		
	Add Extra							21.34		
								2559.34	393.25	1006460
10	Providing High Yeld Strength Deformed (HYSD) steel bars (Fe 415 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 as size and binding wire of 20SWG, forming grils 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 Ground floor .									
	Footings				38.22	60		2.293		
	Coluns				31.87	100		3.187		
	Plinth beam				31.98	100		3.198		
	Add extra							0.59		
								9.268	76099.90	705294
								MT	MT	
11	Painting to New walls with two coats of Plastic Emulsion paint 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. 912) in All Floors									
	Plastering Qty							2559.34	213.15	545523
12	Provision for Entrance of Compound Wall Gate									
	At Entrance	1	x	1	300.00			300	90.99	27298
	Total							Kgs	1 Kg	

[illegible]

Name of the Work: Providing Amenities to Govt. Degree College at Uravakonda (V&M) in Ananthapuramu Dist.Under NADU – NEDU Scheme

GREEN CHALK BOARDS									
SNo	Description of work	No	L	B	D	Qty	Rate	Per	Amount
1	2	3	4	5	6	7	8	9	10
1	Supplying and Fixing of 0.30 Ceramic Magntic Green Chalk board of size 10'x 4' with virtual enamelcoated sheet made up of 0.30to 0.40m thick stell steet havibg 0.095mm thick on top and 0.03mm thick on back surface wuth 9mm thick MDF board having bulk density of 750kgs/cum and laminaed with 0.25mm thick electo Galvanised sheet of the back both the top and backing sheet shall be properly fixed with MDF board using suitable chnnelsetc Complete.								
1	Green Chalk Boards	25				30.00			
2	Display Boards	5				5.00			
						35.00	10900.00	1no	381500
						Total			381500

Asst. Engineer
APEWIDC, Uravakonda

Dy. Executive Engineer Executive Engineer
APEWIDC, Ananthapuramu APEWIDC, Ananthapuramu