

# మన బడి నాడు-నేడు

**Measurement Book No : 28236000301001**

District Name	:	<b>CHITTOOR</b>
Mandal Name	:	<b>PEDDAPANJANI</b>
Village Name	:	<b>PEDDAVELAGATU R</b>
Name of the Executing Agency	:	<b>Panchayat Raj</b>
Name of School	:	<b>MPPS PEDDAVELAGATU R</b>
U-Dise Code	:	<b>28236000301</b>
Technical Sanctioned Amount	:	<b>1904152</b>
Admin Sanctioned Amount	:	<b>1904152</b>
Total Expenditure	:	<b>1638865</b>

# మన బడి నాడు-నేడు

## Abstract

U-Dise Code : 28236000301  
Technical Sanctioned Amount : 1904152  
Admin Sanctioned Amount : 1904152  
Total Expenditure : 1638865  
MBook Number : 28236000301001

Work Code	Work type name	Estimated Cost	Value of work done
201920012607	English Labs	40000	44800
201920026096	Green Chalk Board	111685	108324
201920026134	Furniture for Students and Staff	284436	103827
201920026483	Providing Electrification with Fans and Tube Lights	105084	101082
201920026495	Drinking Water Supply	211688	192528
201920027102	Major and Minor Repairs	810597	770466
201920028620	Paintings to School	151083	146533
201920028656	Construction of Toilet with Running Water	189579	171305
	Total	1904152	1638865

Signature of Engineering  
Assistant

Signature of FE/AE/AEE  
U SRINIVAS

Signature of Deputy Executive Engineer  
Chereddi Naveenkumar

Signature of Executive Engineer  
Kandepu Kedareswara Rao

# మన బడి నాడు-నేడు

**Work Code** : 201920012607 **Name of the Work** : English Labs  
**Administrative Sanction No** : Proc.No2823008101/MBNN/2020-2021 **Technical Sanctioned** : 107 No  
**Estimate Amount (in Rs.)** : 40,000/- **Work MBook Amount** : 44,800/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supply of 55 inches/65 inches LCD TV or LCD projector with Screen including installation (Detailed specifications will be given later in a circular) (Excluding GST)								
	LCD TV	0	0	0	0	40000	0		0
	Total					40000	1	LS	40,000

**Work Code** : 201920026096 **Name of the Work** : Green Chalk Board  
**Administrative Sanction No** : Proc.No2823008101/MBNN/2020-2021 **Technical Sanctioned** : 107 No  
**Estimate Amount (in Rs.)** : 1,11,685/- **Work MBook Amount** : 1,08,324/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supply 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 (Excluding GST)								

## మన బడి నాడు-నేడు

	Class Room	9	0	0	0	9	0		0
	Total					9	10200	Nos	91,800
	<b>Provision for GST @ 12.00%</b>								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	16524	PERCENT AGE	16,524

<b>Work Code</b>	: 201920026134	<b>Name of the Work</b>	: Furniture for Students and Staff
<b>Administrative Sanction No</b>	: Proc.No2823008101/MBNN/2020-2021	<b>Technical Sanctioned</b>	: 107 No
<b>Estimate Amount (in Rs.)</b>	: 2,84,436/-	<b>Work MBook Amount</b>	: 1,03,827/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Almairahs (Steel) for HM Room, Staff room, Library room, Laboratory room, M.S sheet conforming to commercial quality CR- 1,Grade340 of IS 513:2008 (reaffirmed 2013)(Fifth Revision)Amdt. no.1 Sheet thickness of door in 0.8 mm (minimum) (Excluding GST)								
	Almairahs	0	0	0	0	0	0		0
	Total					0	7850	Nos	0
	Teacher Table in classroom, Table Top Material is 18 mm thick prelaminated Particle Board (Not as per IS8126) Thickness (±2 mm). One side double storage is provided and pedestals (under structure) Mild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm (Excluding GST)								
	Teacher Table	0	0	0	0	0	0		0
	Total					0	3304	Nos	0
	Teacher Chair in classroom, Library room, Laboratory room Seat and Backrest is Made of Polythene cane. (Excluding GST)								
	Teacher Chair	0	0	0	0	0	0		0
	Total					0	1050	Nos	0

## మన బడి నాడు-నేడు

Supply & Placing Dual desk for class I to III ; TYPE-I The overall dimensions of desk will be W 1066mm x D 930mm x H 628 (for table top). The seating bench height shall be 383 mm. 1. Table top shall be made up of 18.0 mm thick plywood of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish). Table top dimensions shall be W 1008.0 mm x D 380.0 mm. Edge towards bench shall be post formed with round edge. The remaining three edges must be sealed with 2mmthick PVC edge banding tape. Edge band must be trimmed on edges and corners. 2. Side frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness bolted to 25.0 mm x 50.0 mm x 1.2mm thickness tube of 890mm length by using C-clamps made up of 3.0 mm thickness sheet. 3. Seat and back rest frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness welded to MS pipe of 25.4 mm diameter x 1.2mm thickness. All 8 numbers of horizontal supports shall be made up MS tube having dimensions 25.0 mm x 25.0 mm x 1.2 mm thickness. MS tube of size 20.0 mm x 20.0 mm x 1.0 mm thickness and 100.0 mm long shall be welded to the frame to hold the horizontal supports. 4. Rectangular MS tube of dimension 50.0 mm x 25.0 mm x 1.2 mm thickness shall be closed with PPCP (Polypropylene Copolymer) cap at both the ends. Pipe diameter 25.4 mm x 1.2 mm thickness shall be closed with PPCP cap at back side and under the seat. 5. Upper modesty panel and shelf shall be made of 0.8 mm thick CRCA sheet. The dimensions for upper modesty panel shall be H 175.0 mm x W 1012.0 mm x D 23.0 mm. The dimensions of shelf shall be W 1012.0 mm X D 300.0 mm X H 23.0 mm. The shelf shall have vertical partition at the center. This partition shall be made up of square MS tube having size 25.0 mm x 25.0 mm x 1.2 mm thickness. Stiffeners of MS tube having sizes as 20.0 mm x 20.0 mm x 1.0 mm thickness shall be provided in upper modesty panel and shelf. Front fascia of upper modesty panel of desk shall have embossed design. The corners of shelf (projecting towards the seating bench) shall be rounded through corner-forming technology (without welding) to avoid injury in case of accidental impact. 6. Additional lower modesty panel having size H 150.0 mm x W 1008.0 mm X D 23.0 mm shall be made up of 0.8 mm thick CRCA sheet with designer square perforations. MS tube of size 20.0 mm x 20.0 mm x 1.2 mm thickness shall be fixed across the length at the bottom side of lower modesty panel. 7. Seat and back rest shall be made of 18mm thick plywood of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish) except backrest. Back rest shall have both sides lamination. 7.1. Seating bench dimensions shall be W 1066.0 mm X D 300.0 mm: Front side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. 7.2. Back rest dimensions shall be W 1066.0 mm x D 250.0 mm: Upper side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. 7.3. Leg space between top and seat shall be 110mm. 8. Bag/bottle hooks shall be made of MS wire having diameter of 5.0 mm. The overall size of hook shall be W 23.0 mm, D 32.0 mm and H 80.0 mm. It shall be welded on inner facia of both the vertical press-fitted steel sections. 9. The MIG / Spot welding shall be done as per technical requirement. 10. All metal components shall be powder coated in satin finish with pretreatment process. The item shall carry a warranty period of 5 (Five) years from the date of supply (Excluding GST)

class 1 to 3	13	0	0	0	13	0		0
Total					13	6768.38	Nos	87,989

## మన బడి నాడు-నేడు

**Supply & Placing Dual desk for class IV to VI ; TYPE-II** The overall dimensions of desk will be W 1066mm x D 930mm x H 688 (for table top). The seating bench height shall be 423 mm. 1. Table top shall be made up of 18.0 mm thick plywood of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish). Table top dimensions shall be W 1008.0 mm x D 380.0 mm. Edge towards bench shall be post formed with round edge. The remaining three edges must be sealed with 2mmthick PVC edge banding tape. Edge band must be trimmed on edges and corners. 2. Side frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness bolted to 25.0 mm x 50.0 mm x 1.2mm thickness tube of 890mm length by using C-clamps made up of 3.0 mm thickness sheet. 3. Seat and back rest frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness welded to MS pipe of 25.4 mm diameter x 1.2mm thickness. All 8 numbers of horizontal supports shall be made up MS tube having dimensions 25.0 mm x 25.0 mm x 1.2 mm thickness. MS tube of size 20.0 mm x 20.0 mm x 1.0 mm thickness and 100.0 mm long shall be welded to the frame to hold the horizontal supports.4. Rectangular MS tube of dimension 50.0 mm x 25.0 mm x 1.2 mm thickness shall be closed with PPCP (Poly Propylene Copolymer) cap at both the ends. Pipe diameter 25.4 mm x 1.2 mm thickness shall be closed with PPCP cap at back side and under the seat. 5. Upper modesty panel and shelf shall be made of 0.8 mm thick CRCA sheet. The dimensions for upper modesty panel shall be H 175.0 mm x W 1012.0 mm x D 23.0 mm. The dimensions of shelf shall be W 1012.0 mm X D 300.0 mm X H 23.0 mm. The shelf shall have vertical partition at the center. This partition shall be made up of square MS tube having size 25.0 mm x 25.0 mm x 1.2 mm thickness. Stiffeners of MS tube having sizes as 20.0 mm x 20.0 mm x 1.0 mm thickness shall be provided in upper modesty panel and shelf. Front fascia of upper modesty panel of desk shall have embossed design. The corners of shelf (projecting towards the seating bench) shall be rounded through corner-forming technology (without welding) to avoid injury in case of accidental impact.6 Additional lower modesty panel having size H 150.0 mm x W 1008.0 mm X D 23.0 mm shall be made up of 0.8 mm thick CRCA sheet with designer square perforations. MS tube of size 20.0 mm x 20.0 mm x 1.2 mm thickness shall be fixed across the length at the bottom side of lower modesty panel.7. Seat and back rest shall be made of 18mm thick plywood of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish) except back rest. Back rest shall have both sides lamination 7.1 Seating bench dimensions shall be W 1066.0 mm X D 300.0 mm: Front side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. 7.2 Back rest dimensions shall be W 1066.0 mm x D 250.0 mm: Upper side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. 7.3 Leg space between top and seat shall be 125mm. 8. Bag/bottle hooks shall be made of MS wire having diameter of 5.0 mm. The overall size of hook shall be W 23.0 mm, D 32.0 mm and H 80.0 mm. It shall be welded on inner facia of both the vertical press-fitted steel sections. 9. The MIG / Spot welding shall be done as per technical requirement. 10. All metal components shall be powder coated in satin finish with pretreatment process. The item shall carry a warranty period of 5 (Five) years from the date of supply (Excluding GST)

class 4 to 5	0	0	0	0	0	0		0
Total					0	6821.78	Nos	0
<b>Provision for GST @ 12.00%</b>								
Provision for GST	1	0	0	0	1	0		0
Total					1	15838.01	PERCENT AGE	15,838

# మన బడి నాడు-నేడు

**Work Code** : 201920026483      **Name of the Work** : Providing Electrification with Fans and Tube Lights  
**Administrative Sanction No** : Proc.No2823008101/MBNN/2020-2021      **Technical Sanctioned** : 107 No  
**Estimate Amount (in Rs.)** : 1,05,084/-      **Work MBook Amount** : 1,01,082/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	In Walls	1	165	0	0	165	0		0
	Total					165	71.44	mtr	11,788
	Supply and run of 2 of 36/0.3mm (2.5 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete. (Excluding GST)								
	Copper Cable for Run of Mains	1	336.7	0	0	336.7	0		0
	Total					336.7	64.93	mtr	21,862
	Wiring with 2 runs of 22/0.3mm ( 1.5 Sq.mm) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete for Light, Fan, Exhaust Fan etc., complete. (Excluding GST)								
	fan points	12	0	0	0	12	0		0
	light points	12	0	0	0	12	0		0
	Total					24	611.17	Nos	14,668
	Supply, Transportaton, and fixing of 20W, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., completes including all labour charges and conveyance of all materials etc complete with with flexible wire and connections. (Excluding GST)								
	Tube Light Set	12	0	0	0	12	0		0
	Total					12	867.5	Nos	10,410

## మన బడి నాడు-నేడు

	<b>Supply and transportation of 60 W LED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass (Excluding GST)</b>							
	LED Street light Luminaire	1	0	0	0	1	0	0
	Total					1	5900 Nos	5,900
	<b>Labour charges for fixing of ceiling fan and regulator including transportation and giving connections with twin core wire etc., complete. (Excluding GST)</b>							
	Labour charges for fixing of ceiling fan	12	0	0	0	12	0	0
	Total					12	138.88 Nos	1,667
	<b>Supply and fixing SPN Distribution board with IP-42 protection (Metal Door) suitable for single phase ELCB / RCCB / DP Isolator as incomer and 10kA SP MCBs as outing going including internal connection and labour charges for surface/ flush mounting etc., complete. (Excluding GST)</b>							
	Distribution Board	1	0	0	0	1	0	0
	Total					1	4107.07 Nos	4,107
	<b>Providing independent earthing 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. (Excluding GST)</b>							
	Earthing	1	0	0	0	1	0	0
	Total					1	4421.91 Nos	4,422
	<b>(Crompton greaves) Ceiling Fans- Supply &amp; Fixing of 1200mm (48) sweep, 380 RPM at 230V with high speed, ceiling fan with air delivery of 210 (CMM) and wattage of 50 to 75W having 3 blades and double ball bearing with all standard accessories like 100% copper winding, down rod 300mm length and 19.20mm dia meter, anti-corrosion aluminium body and blades having thickness of 1.08mm with glassy powder coated paint finish ( Ivory colour ) etc., including cost and conveyance of all materials to site (of school) including loading and un-loading and fixing etc., complete for finished item of work. (Crompton / Usha / Bajaj / Havells / Orient / Khaitan / Polar / GEC / Almonard) including GST and all taxes etc., as applicable from time to time. The item shall carry a warranty period of 3 (three) years from the date of supply (Including GST)</b>							
	FANS	12	0	0	0	12	0	0
	Total					12	1440 Nos	17,280
	<b>Provision for GST @ 12.00%</b>							
	Provision for GST	1	0	0	0	1	0	0
	Total					1	8978.78 PERCENT AGE	8,979



# మన బడి నాడు-నేడు

**Work Code** : 201920026495      **Name of the Work** : Drinking Water Supply  
**Administrative Sanction No** : Proc.No2823008101/MBNN/2020-2021      **Technical Sanctioned** : 107 No  
**Estimate Amount (in Rs.)** : 2,11,688/-      **Work MBook Amount** : 1,92,528/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	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. (Excluding GST)								
	10mm HYSD bars	21.27	0	0	0	21.27	0		0
	8mm HYSD bars	228.82	0	0	0	228.82	0		0
	Total					250.09	48.41	Kgs	12,107
	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[22.20 mm dia CPVC SDR 13.50]. (Excluding GST)								
	22.20 MM OD Pipe	1	124.49	0	0	124.49	0		0
	Total					124.49	85	rmt	10,582
	Supply and erecting of 1.00 HP (25 mm x 25 mm) single phase ISI Monoblock CI body motor pump set conforming to IS 9079:2002 approved make centrifugal water pump with impeller, priming funnel cork, companion metallic flanges with bolts and nuts and mounted on a common shaft of high coefficient squirrel cage induction motor totally enclosed and fan cooled tyupe suitable to operate on 230 V single phase 50 HZ , 1440 RPM AC power supply excluding suction/delivery pipe with nuts duly grouted on existing CC foundation and bolts, spring washer of requisitie size for monoblock motor and pump (Excluding GST)								
	Erecting of 1 HP mono block mator pump set	1	0	0	0	1	0		0
	Total					1	8175	Nos	8,175

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	<b>Dadoing to walls with ISO accerdiate glazed red or white full body ceramic wall tiles of make as approved by engineer -in - charge of site not less than 300 x 450 mm / 320 mm x 400 mm set over base coat 12mm thick CM (1:3) base over coat and neat grey cement slurry of honey likr consistency spread at the rate of 3.3 kgs per sqm and jointed with white cement paste mixed with pigment of matching shade to matching shade to match the shade of tiles including cost and of all materials and water to work site, including cost of seigniorage charges on all materials and all operational incidental and labour charges such as mixing mortar fixing in postion including lift charges curing etc completed for work . (Excluding GST)</b>								
	Dadoing to Hand Wash At Taps Portion	1	3.05	0	0.4	1.22	0		0
	Total					1.22	559.44	sqm	683
	<b>Cost, supply and delivery of 75 mm diameter 6.00 kgs/cm2 test pressure Unplasticised PVC pipes suitable for potable water supplies conforming to IS 4985/200 (3rd revision) as per specifications including labour charges for laying, fixing and commissioning the PVC pipes including couplers/bends/tees etc., including fixing with necessary fittings like bends, plugsm couplers, junctions, tees etc., with solvent jointing as per standard practise including cost and conveyance of all materials to site for finished item of work at all floor levels. (Excluding GST)</b>								
	kitchen to hand & soak pit	1	30.2	0	0	30.2	0		0
	Total					30.2	262	rmt	7,912
	<b>Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors for 400 Grams (Excluding GST)</b>								
	NP bib taps of size 12.70mm for 400 Grams	13	0	0	0	13	0		0
	Total					13	351.76	Nos	4,573
	<b>Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work[20mm PPR Ball valve] (Excluding GST)</b>								
	Water Supply Line	2	0	0	0	2	0		0
	Total					2	207	Nos	414
	<b>Earth work excavation and depositing on bank with initial lead of 10m and initial lift of 3m in Loamy &amp; Clayey Soils like BC Soils, Red Earth &amp; 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 &amp; P, labour charges etc., complete for finished item of work including seignerage charges excluding dewatering charges etc., complete for Foundation of Building.(APSS No. 308) (Excluding GST)</b>								
	soak pit	1	1.4	1.4	2.43	4.76	0		0
	soak pits	1	1.2	1.2	2.43	3.5	0		0
	sump	1	2.5	2.2	2.5	13.75	0		0
	Total					22.01	152.88	cum	3,365

## మన బడి నాడు-నేడు

	<b>VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 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 including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[BEAMS] (Excluding GST)</b>								
	for beams	2	2.5	0.23	0.23	0.26	0		0
	Short Beams	2	1.9	0.23	0.23	0.2	0		0
	Total					0.46	7425.33	cum	3,416
	<b>VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 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 including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick First Floor] (Excluding GST)</b>								
	ohsr bottom slab	1	2.65	2.55	0.15	1.01	0		0
	ohsr slab	1	2.35	2.18	0.15	0.77	0		0
	Total					1.78	7567.45	cum	13,470

## మన బడి నాడు-నేడు

<p>(Innovative Aqua Systems Pvt Ltd) Drinking water System Type-I A)Drinking water system for schools with TDS reduction required to 150-400 ppm from source water having TDS 400 to 3000ppm:Type- I Supplying and fixing of Drinking water system with the set Design, Drawing and Specifications, Cost includes loading, Transportation, supply, unloading charges etc., Erection, Commissioning, Testing including TDS range of the Purified water at the school premises, and all incidental charges, including GST etc., all other taxes and charges for complete finished item of work, with a warranty period of 05(five) years and further extendable AMC for a period of 05(five) years on mutually agreed terms and conditions.Tank overall dimensions:645.8mmx531.4mmx 1576.4mm (with leg) A] Raw water tank (40 liters capacity):Clear size:224mmx475mmx420mm, (2) Pure water tank (60 liters capacity): Clear size: 336mmx475mmx420mm, Tanks made up of 1.20mm thick SS sheet 304 grade, openable Top Lid with hinge made up of 1.20mm thick SS sheet 304 grade, (3) Tank Frame: The overall Tank frame shall be made with SS tube of size 25 mm x 25 mm x 3 mm thickness with all verticals and horizontals and also stiffeners at bottom of raw water tank &amp; pure water tank including bottom supporting sheet of 3 mm thick, Openable Top cover of 01mm thickness with strong hinge :Top dimension size of tank SS 304 grade (645.8 mm x 531.4mmx50mm), Locking system for Lid: With SS hinges and pad lock for 01mm thick, SS 304 grade top cover of the above water tank, The entire body except back door made up of 01 mm thick SS 304 grade, Embossing letters on Tank:Nadu -Nedu2020, (B)Sink: 4 Nos. of heavy-duty taps connected to SS pipes from pure water tank to foot pedestal and foot pedestal to taps, 02 nos of taps on front side and 01 tap each on other two sides. There will not be any tap on the back side of tank, Sink all three possible sides shall be closed with perforated (05mm dia.holes) SS 304 grade sheet of 1.0 mm thick, Taps shall be fixed at height of 380mm from bottom sink., Sink bottom shall be made with two layers i.e., one shall be fixed and another one is open able for easy maintenance., (C)Tank Rear side door: , Back Door shall be provided in single sheet 304 grade sheet of 1.20mm thickness to the full height of tank with required stiffeners, hinges and locking arrangements., (D) Electrical Input, Electrical input with Lock &amp; Key/Socket and pin type joint. Wires, No pipes shall be allowed to hang on to this unit. A separate electrical cord connecting water tank unit with wall mount electrical board., (E)Inlet &amp; Outlet Pipes: Inlet water couple point shall be made to connect from outer source as couple end joint type as to easily removable mode or any other detachable mode, (F)Water Treatment unit with membrane filter(pore size 0.001 microns)UV System (with all necessary connections) shall Fitted in a cabin of the unit. Provision to add filters in future as per requirement to reduce the turbidity TDS to make it potable., UV system with 100 LPH, 300 GPD PUMP: DC Pump - 12 - 24W and booster pump for TDS membrane filter, TDS Membrane filters(Green Membrane Technology with membrane pore size of 0.001 microns):01(one)number of Membranes are to be used in series., 1) 100 gpd size 2112-15 LPH Average purified drinking water output of 100-140 liters per hourat TDS of 150 to 400 ppm, based on feed water TDS(from 200-3000 ppm). Micron (Mud) filter-01. Socket - 01 No., Battery-12V-7ah-optimum rating., Activated Carbon Filter -, One TDS meter., The entire tank should be covered with SS sheet of 1.0 mm thick of 304 grade, all-round 03 sides of tank unit including off-sets etc., and the Back door shall be made up of 1.20mm thick SS 304 grade complete with stiffeners of 12mm x 12mm x 1.5mm thickness. Top and Back panel shall be openable with locking system. SS 304 grade sheets shall be of approved brands, 4 Nos. of 150mm height legs should be provided, Pedal push heavy duty taps shall be provided., etc., complete. (Including GST)</p>									
RO Purifier	1	0	0	0	1	0			0
Total					1	70200	Nos		70,200
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. (Excluding GST)									
for hand wash	3	0.5	0.23	0.6	0.21	0			0

## మన బడి నాడు-నేడు

	for sump	2	2.4	0.1	2.13	1.02	0		0
	for sump	2	2.1	0.1	2.13	0.89	0		0
	hand wash brick	1	3.05	0.1	0.5	0.15	0		0
	Total					2.27	5126.88	cum	11,638
	<b>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.[Brick masonry in CM (1:8) in First Floor] (Excluding GST)</b>								
	columns for ohsr	4	1.26	0.23	0.62	0.72	0		0
	walls to ohsr	2	2.35	0.1	1	0.47	0		0
	walls to ohsr	2	1.7	0.1	1	0.34	0		0
	Total					1.53	5393.32	cum	8,252
	<b>Flooring with Non-skid red or white full body Ceramic floor tiles, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm &amp; jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work (Excluding GST)</b>								
	for hand wash	1	3.05	0.7	0	2.13	0		0
	for hand wash	1	1.2	0.34	0	0.41	0		0
	for hand wash	2	0.9	0.35	0	0.63	0		0
	Total					3.17	716.81	sqm	2,272
	<b>Plain Cement Concrete 1:1.5:3 Nominal mix with concrete mixer equivalent to (1:1.5:3) using 20mm size (SS5) hard blasted granite machine crushed metal (Coarse aggregate) from approved quarry, using a minimum quantity of 400 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 centering, shuttering, machine mixing, laying concrete, lift charges, curing etc., complete for finished item of work for steps[For First Floor] (Excluding GST)</b>								
	for sump	1	2.4	2.1	0.18	0.91	0		0
	Total					0.91	5424.56	cum	4,936
	<b>Plastering with CM (1:5) Single Coat, 12mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)</b>								
	for hand wash	3	1.33	0.6	0	2.39	0		0
	for hand wash	1	3.1	0.4	0	1.24	0		0
	for ohsr columns	4	2.6	0.65	0	6.76	0		0
	for sump	2	2.4	2.08	0	9.98	0		0
	for sump	2	2.1	2.08	0	8.74	0		0

## మన బడి నాడు-నేడు

	for wall inside	2	1.92	1.05	0	4.03	0		0
	for wall inside	2	2.14	1.05	0	4.49	0		0
	Total					37.63	108.86	sqm	4,096
	<b>Plastering with CM (1:5), 20mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)</b>								
	for ohsr outise walls	2	2.18	0	1.2	5.23	0		0
	for ohsr outside walls	2	2.4	0	1.2	5.76	0		0
	Total					10.99	243.23	sqm	2,673
	<b>VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 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 including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick] (Excluding GST)</b>								
	Handwash Slab	1	2.73	0.5	0.12	0.16	0		0
	sump bottom slab	1	2	1.7	0.15	0.51	0		0
	sump top slab	1	2.4	2.1	0.15	0.76	0		0
	Total					1.43	7452.98	cum	10,658
	<b>Differential Cost of Cement (Including GST)</b>								
	<b>Differential Cost of Steel (Including GST)</b>								
	<b>Provision for GST @ 12.00%</b>								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	13106.59	PERCENT AGE	13,107

<b>Work Code</b>	: 201920027102	<b>Name of the Work</b>	: Major and Minor Repairs
<b>Administrative Sanction No</b>	: Proc.No2823008101/MBNN/2020-2021	<b>Technical Sanctioned</b>	: 107 No
<b>Estimate Amount (in Rs.)</b>	: 8,10,597/-	<b>Work MBook Amount</b>	: 7,70,466/- (in Rs.)

Date of Measure ment	Description of Item	Measurement upto date	Total Quantity	Rate	Units	Total Value of work done
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## మన బడి నాడు-నేడు

	No	L	B	D				
<b>Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads &amp; contractor profit etc., complete [Unreinforced cement concrete up to 15cm thickness] (Excluding GST)</b>								
class room insde	3	6.7	6.7	0.05	6.73	0		0
Varandah 1	1	6.7	3.3	0.05	1.11	0		0
Varandah 2	1	14.85	2.2	0.05	1.63	0		0
Total					9.47	1024.8	cum	9,705
<b>Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads &amp; contractor profit etc., complete [Old cement mortar plaster] (Excluding GST)</b>								
black boards	4	2.3	0	1.3	11.96	0		0
window sunshade	7	1.7	0	0.6	7.14	0		0
Total					19.1	5.5	Sqm	105
<b>Dismantling doors , windows and clear storey windows, Ventilators etc., ( wood or steel ) shutters including Chowkhats , architraves,hold fasts and other attachments etc., and stacking them within 100m lead including labour charge etc., and overheads &amp; contractors profit complete for finished item of work[Not exceeding 3 sqm] (Excluding GST)</b>								
door	3	0	0	0	3	0		0
window	5	0	0	0	5	0		0
Total					8	154.75	Nos	1,238
<b>Rectification of cracks in plastering using fosroc materials including the cost of groove cutting along the crack, neat cleaning, applying SBR fosroc liquid along the groove and applying two coats of P.S. powder fosroc compound as crack filler including cost and conveyance of all materials and labour charges etc., complete (Excluding GST)</b>								
wall cracks	1	140	0	0	140	0		0
Total					140	38	rmt	5,320
<b>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 &amp; 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) (Excluding GST)</b>								
parking tiles brick work	1	13	0	0.4	5.2	0		0
varandah 1 brick work	1	5	0	1.9	9.5	0		0
Total					14.7	232.76	sqm	3,422
<b>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. (Excluding GST)</b>								

## మన బడి నాడు-నేడు

	parking tiles brick work	1	13	0.12	0.25	0.37	0		0
	varandah 1	1	5	0.12	0.9	0.52	0		0
	Total					0.89	5126.88	cum	4,563
	<b>Masonry work in CM (1:8) prop with Flyash Cement solid blocks of size 290 x 225 x 140 mm for manufacturing of flyash solid blocks using flyash of 50 Kgs / Sqcm including cost and conveyance of all materials, labour charges, scaffolding and curing etc., complete with a compressive strength not less than 50 kg/sqm for walls for Superstructure walls. (Excluding GST)</b>								
	Deduction Of Ventilator	1	0.6	0.15	0.6	-0.05	0		0
	Extra Bathroom	1	2.4	0.15	1.72	0.62	0		0
	extra bathroom	1	2.45	0.15	1.83	0.67	0		0
	kitchen top & bathroom top	1	11.5	0.15	0.24	0.41	0		0
	Total					1.65	5108.51	cum	8,429
	<b>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. (Excluding GST)</b>								
	slab for room 1& 2	331.5	0	0	0	331.5	0		0
	Total					331.5	48.41	Kgs	16,048
	<b>VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 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 including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 100mm thick] (Excluding GST)</b>								
	slab	1	9	15	0.1	13.5	0		0
	Total					13.5	7887.33	cum	1,06,479
	<b>VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 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 including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick] (Excluding GST)</b>								
	Back side of Room 1	1	6.7	1	0.1	0.67	0		0
	Beside Of Room 3	1	6.8	0.65	0.1	0.44	0		0
	Infront Of Gate	1	3.65	3.2	0.1	1.17	0		0
	Infront Of New Toilet	1	10.5	1.3	0.1	1.37	0		0
	Total					3.65	7452.98	cum	27,203



## మన బడి నాడు-నేడు

	<b>Plastering with CM 2 coats, 12mm thick, base coat in CM (1:5), 8mm thick and top coat in CM (1:3), 4mm thick with water proof Compound manufactured by reputed manufacturers as approved by engineering incharge at 1kg per 1 bag of cement including sponze finishing and cost and conveyance of all materials and all labour charges etc., complete for external walls [Flyash Bricks]. (Excluding GST)</b>								
	kitchen top and bathroom top	1	12	0	0.5	6	0		0
	wall	1	4.85	0	2.4	11.64	0		0
	Total					17.64	304.92	sqm	5,379
	<b>Supply and Fixing of Medium teak wood fully pannelled windows of size 1.52 x 1.22 mm with frame size 85 x 90 mm and shutter frame of size 75mm x 32mm thick for each shutter and panet with 12mm thick prelamated partical board (6 shutters: 3 at bottom and 3 at top) including all fixtures such as 12 Nos 75mm aluminium but hinges for six shutter, 6No.s of 100 mm Aluminium towe bolts, 75mm door handles 3 Nos, 4 No.s MS Z hold fasts, 12 No.s 10mm sq. bars placed harozonially, 6 No.s of window appliances, 6 No.s of rubber bushes including all materials and all labour charges for wrought and put up etc., complete for finished item of work. (Excluding GST)</b>								
	new wooden windows	1	0	0	0	1	0		0
	Total					1	7585.06	Nos	7,585
	<b>Supplying, fitting and placing MS grilled door, windows, gate including fabrication charges and all incidental charges etc, cost and conveyance of all materials and all labour charges etc., complete. (make of materials - TATA, Jindal, Sail, Visakha) (Excluding GST)</b>								
	grills	270	0	0	0	270	0		0
	Total					270	70.08	Kgs	18,922
	<b>Providing skirting to internal walls to 15 cm height/ risers of steps with vitrified tiles length equal to flooring stones set over base coat of CM (1:5) 12 mm thick with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointed with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., complete for finished item of work. (Excluding GST)</b>								
	all rooms	1	111	0	0.1	11.1	0		0
	Total					11.1	756.59	sqm	8,398
	<b>Flooring with high polished granite 16 to 18 mm thick slabs other than black set over base coat of cement mortar (1:8), 20 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm &amp; jointed neatly with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like cement, sand water and tilesetc., complete, including seigniorage charges, labour charges for dressing of tilesetc., complete for finished item of work, but excluding the cost of conveyance of all materials (Excluding GST)</b>								
	for rooms	3	6.7	6.7	0	134.67	0		0
	Step At Kitchen	1	0.9	0.45	0	0.41	0		0
	Step At Room 2	1	3.1	0.4	0	1.24	0		0
	Varandah 1	1	6.7	3.3	0	22.11	0		0

## మన బడి నాడు-నేడు

	Varandah 2	1	14.85	2.2	0	32.67	0		0
	Total					191.1	1997.38	sqm	3,81,699
	<b>Flooring with Non-skid red or white full body Ceramic floor tiles, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm &amp; jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work (Excluding GST)</b>								
	At Old Toilet Doors	2	0.7	0.3	0	0.42	0		0
	extra bathroom	1	2.35	3.05	0	7.17	0		0
	Infront Of Old Bath Room	1	4.8	0.15	0	0.72	0		0
	Infront Of Old Bath room	1	0.87	0.15	0	0.13	0		0
	Infront Of Old Bathroom	1	3.4	0.15	0	0.51	0		0
	infront of old bathroom	1	4.8	0.85	0	4.08	0		0
	Total					13.03	716.81	sqm	9,340
	<b>Dadoing to walls with ISO accerdiate glazed red or white full body ceramic wall tiles of make as approved by engineer -in - charge of site not less than 300 x 450 mm / 320 mm x 400 mm set over base coat 12mm thick CM (1:3) base over coat and neat grey cement slurry of honey likr consistency spread at the rate of 3.3 kgs per sqm and jointed with white cement paste mixed with pigment of matching shade to matching shade to match the shade of tiles including cost and of all materials and water to work site, including cost of seigniorage charges on all materials and all operational incidental and labour charges such as mixing mortar fixing in postion including lift charges curing etc completed for work . (Excluding GST)</b>								
	extra bathroom	1	7.73	0	1.46	11.29	0		0
	Total					11.29	559.44	sqm	6,316
	<b>Flooring with precast concrete blocks for paving of M-40 grade and thickness not less than 80 mm for Non-traffic areas conforming to IS 15658:2006 only after it is properly cured, cleaned, moistered and where necessary treated with neat grey cement slurry of honey like consistency spred at3.3 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. (Excluding GST)</b>								
	Deduction of Manhole at Sump	1	0.6	0.6	0	-0.36	0		0
	Deduction Of Step At Kitchen	1	0.6	0.4	0	-0.24	0		0
	infront of room 1	1	10.7	3.6	0	38.52	0		0
	infront of room 2& 3	1	9.45	1.35	0	12.76	0		0
	Total					50.68	774.49	sqm	39,251

## మన బడి నాడు-నేడు

	<b>Supply &amp; fixing pre-painted galvalium trepezoidal profile roofing sheets with 0.47mm thickness,coating Alu-zinc coating AZ 150 GSM. Tensile strength : 550 MPA,paint coating : Regular modified polyster painting. Thickness (top) 18-20 microns,(bottom) 5-7microns including C/C of all materials like sheets, J bolts, bitumen washers etc. with or without ridge with sales &amp; all other taxes &amp; all labour charges etc. complete for fixing sheets in position. (Excluding GST)</b>								
	Top Of Extra Toilet	1	3.6	2.75	0	9.9	0		0
	Top Of Kitchen Shed	1	4.1	3.85	0	15.78	0		0
	Total					25.68	466.91	sqm	11,990
	<b>Supply and Fixing MS Purlins 50mm dia 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 (Excluding GST)</b>								
	GI Pipes	6	2.5	0	0	15	0		0
	Total					15	428.4	rmt	6,426
	<b>Supply and Fixing MS Sheet 18 guage 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 (1sqm=9.8 kgs) (Excluding GST)</b>								
	kitchen top & extra bath room top	85	0	0	0	85	0		0
	Total					85	118.8	kgs	10,098
	<b>Differential Cost of Cement (Including GST)</b>								
	<b>Differential Cost of Steel (Including GST)</b>								
	<b>Provision for GST @ 12.00%</b>								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	82549.93	PERCENT AGE	82,550

**Work Code : 201920028620**

**Name of the Work : Paintings to School**

**Administrative Sanction No : Proc.No2823008101/MBNN/2020-2021**

**Technical Sanctioned : 107 No**

**Estimate Amount (in Rs.) : 1,51,083/-**

**Work MBook Amount : 1,46,533/- (in Rs.)**

## మన బడి నాడు-నేడు

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Removing White wash or Colour wash by steel wire brushing and/or scraping; sand papering and preparing the wall surface smooth including necessary repairs to scratches complete. (Excluding GST)								
	Deduct Black boards - Block1	4	2.3	1	1.3	-11.96	0		0
	Deduct Doors - Block1	4	1.2	1	2.1	-10.08	0		0
	Deduct Windows - Block1	11	1.5	1	1.4	-23.1	0		0
	external walls	1	115	0	3.3	379.5	0		0
	internal walls	1	155	0	3.2	496	0		0
	Total					830.36	8.78	sqm	7,291
	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 Ground Floor INTERNAL Make : Asian, Burger, Nerolac (Excluding GST)								
	for bathroom walls inside	4	2.3	0	0.8	7.36	0		0
	for bathroom walls inside	4	0.9	0	0.8	2.88	0		0
	Total					10.24	121.78	sqm	1,247
	Painting to New walls with two coats of acrylic emulsion paint weather proof waterbased, modified acrylic with silicon additives exterior grade 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 Ground Floor EXTERNAL (Excluding GST)								
	for ohsr coulms	4	1.33	0	0.6	3.19	0		0
	for ohsr walls	2	2.4	0	1.2	5.76	0		0
	for ohsr walls	2	2.18	0	1.2	5.23	0		0
	new outside bathroom walls	1	10	0	2.5	25	0		0
	Total					39.18	219.04	sqm	8,582

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	<b>Painting to walls with Two coats of acrylic emulsion paint with silicon additives having VOC less than 50 grams/ liter of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item of work as per SS911 for internal walls in Ground Floor. (Excluding GST)</b>								
	deduct black boards	4	2.3	1.3	0	-11.96	0		0
	deduct doors	4	1.2	2.1	0	-10.08	0		0
	deduct windows	11	1.5	1.4	0	-23.1	0		0
	internal walls	1	155	0	3.2	496	0		0
	Total					450.86	73.69	sqm	33,224
	<b>Painting to walls with Two coats of acrylic emulsion paint weather proof water-based with silicon additives having VOC less than 50 grams/ liter of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item of work as per SS911 for external walls in Ground Floor. (Excluding GST)</b>								
	compound walls	2	50	0	1.5	150	0		0
	external walls	1	115	0	3.3	379.5	0		0
	Total					529.5	115.99	sqm	61,417
	<b>(Berger Paints India) Doors &amp; Windows with wood primer, enamel (in case of Wooden Doors) : -Specification:- Painting to wood work with two coats of ready mixed Synthetic Enamel paints in all shades Grade - I Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools/equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and excluding taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company with a warranty period of 7 Years for entire painting &amp; Paint Coloring Total 3 (three) coats:1. Primary Coat 2. Ready mixed Synthetic Enamel paint 2(two coats) Interior / Exterior Requirements for Enamel, Synthetic, Exterior (a) under coating (b) Finishing (Including GST)</b>								
	wooden doors & windows	1	80	0	1	80	0		0
	Total					80	96.02	Sqm	7,682
	<b>(Berger Paints India) Grills and Gates (iron Doors, Windows, Gates, Grills etc.) with primary coat of Red oxide : - Specification :- Painting to Iron work with two coats of ready mixed Synthetic Enamel paints in all shades Grade – I Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools/equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and excluding taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company Total 3 (three) coats:1. Primary Coat of Red oxide 2. Ready mixed Synthetic Enamel paint 2(two coats) Interior / Exterior Requirements for Enamel, Synthetic, Exterior (a) under coating (b) Finishing with a warranty period of 7 Years for entire painting &amp; paint Coloring (Including GST)</b>								

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	iron doors & windows	1	65	0	1	65	0		0
	Total					65	90.01	Sqm	5,851
	(Berger Paints India) Painting to Old walls with Single coat of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade making single coat 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, , 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 for INTERNAL WALLS. (make: Berger /Asian) Colour code: Sugericing (NN Crem) -3P0237 Ceiling: white (Including GST)								
	ceiling	3	6.8	6.8	0	138.72	0		0
	toilets	4	2.1	1.2	0	10.08	0		0
	varandah 1	1	6.8	3.6	0	24.48	0		0
	varandah 2	1	14.7	2	0	29.4	0		0
	Total					202.68	38.63	Sqm	7,830
	<b>Provision for GST @ 12.00%</b>								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	13411.22	PERCENT AGE	13,411

<b>Work Code</b>	: 201920028656	<b>Name of the Work</b>	: Construction of Toilet with Running Water
<b>Administrative Sanction No</b>	: Proc.No2823008101/MBNN/2020 -2021	<b>Technical Sanctioned</b>	: 107 No
<b>Estimate Amount (in Rs.)</b>	: 1,89,579/-	<b>Work MBook Amount</b>	: 1,71,305/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work. [Ordinary Soil - Manual means - Upto 3m depth] (Excluding GST)								
	Earth work	1	2.55	0.8	0.8	1.63	0		0

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	Earth work	3	1.8	0.8	0.8	3.46	0		0
	Total					5.09	267.54	cum	1,362
	<b>Plain Cement Concrete (1:4:8) 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 (Excluding GST)</b>								
	Long Walls	1	2.55	0.6	0.1	0.15	0		0
	Short Walls	3	1.8	0.6	0.1	0.32	0		0
	Total					0.47	3169.18	cum	1,490
	<b>VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 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 including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[PLINTH BEAMS] (Excluding GST)</b>								
	VRCC	1	2.55	0.23	0.23	0.13	0		0
	VRCC	3	1.8	0.23	0.23	0.29	0		0
	Total					0.42	8468.07	cum	3,557
	<b>VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 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 including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick] (Excluding GST)</b>								
	Roof slab area( with 0.30m around projection)	1	2.85	2.2	0.15	0.94	0		0
	Total					0.94	7452.98	cum	7,006
	<b>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. (Excluding GST)</b>								
	Toilet Partition walls	1	2.55	0.23	2.28	1.34	0		0
	Toilet walls	2	1.48	0.23	2.28	1.55	0		0
	Total					2.89	5126.88	cum	14,817
	<b>Plastering with CM (1:5) Single Coat, 12mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)</b>								
	front & back side all new toilet	2	0.9	0	2.28	4.1	0		0

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	Inside Toilets allround	2	1.48	1	2.28	6.75	0		0
	left side & right side wall new toilet	2	2.55	0	2.28	11.63	0		0
	Total					22.48	108.86	sqm	2,447
	<b>Flooring with Non-skid red or white full body Ceramic floor tiles, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm &amp; jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work (Excluding GST)</b>								
	Indian wc	1	0.5	0	0.4	-0.2	0		0
	Toilets inside	2	0.84	1	2.24	3.76	0		0
	Total					3.56	716.81	sqm	2,552
	<b>Dadoing to walls with ISO accerdiate glazed red or white full body ceramic wall tiles of make as approved by engineer -in - charge of site not less than 300 x 450 mm / 320 mm x 400 mm set over base coat 12mm thick CM (1:3) base over coat and neat grey cement slurry of honey likr consistency spread at the rate of 3.3 kgs per sqm and jointed with white cement paste mixed with pigment of matching shade to matching shade to match the shade of tiles including cost and of all materials and water to work site, including cost of seigniorage charges on all materials and all operational incidental and labour charges such as mixing mortar fixing in postion including lift charges curing etc completed for work . (Excluding GST)</b>								
	Inside Toilets Allround	4	0.8	1	1.46	4.67	0		0
	side wall	2	1.48	0	1.46	4.32	0		0
	side walls	2	2.24	0	1.46	6.54	0		0
	Total					15.53	559.44	sqm	8,688
	<b>Supplying, fitting and placing MS grilled door, windows, gate including fabrication charges and all incidental charges etc, cost and conveyance of all materials and all labour charges etc., complete. (make of materials - TATA, Jindal, Sail, Visakha) (Excluding GST)</b>								
	Toilet gate	25	0	0	0	25	0		0
	Total					25	70.08	Kgs	1,752
	<b>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 &amp; 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 Ground Floor INTERNAL Make : Asian, Burger, Nerolac (Excluding GST)</b>								
	Inside Toilets allround	0	0	0	0	0	0		0
	Toilet walls inside	0	0	0	0	0	0		0



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	ventilators	0	0	0	0	0	0		0
	Total					0	121.78	sqm	0
	<b>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. (Excluding GST)</b>								
	12mm HYSD bars	21.64	0	0	0	21.64	0		0
	8mm HYSD bars	49.02	0	0	0	49.02	0		0
	Total					70.66	48.41	Kgs	3,421
	<b>Supplying and fixing of 75 mm 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 &amp; 1326) (Excluding GST)</b>								
	Toilet to Soak pits	1	84.37	0	0	84.37	0		0
	Total					84.37	89.1	rmt	7,517
	<b>Supplying and fixing of 110 mm 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 &amp; 1326) (Excluding GST)</b>								
	Sanitary Connections	1	30.5	0	0	30.5	0		0
	Total					30.5	169.13	rmt	5,158
	<b>Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)</b>								
	In Walls	1	30	0	0	30	0		0
	Total					30	71.44	mtr	2,143
	<b>Supply and run of 2 of 36/0.3mm (2.5 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete. (Excluding GST)</b>								
	Main Board to Switch Board	2	12	0	0	24	0		0
	Total					24	64.93	mtr	1,558
	<b>Supply and run of 1 of 14/0.3mm (1.0 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for earth continuity including all labour charges etc., complete. (Excluding GST)</b>								
	Earthing Wire	2	13	0	0	26	0		0
	Total					26	18.62	mtr	484

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	<b>(CERA Sanitaryware Ltd) Supply of 1st quality floor mounted Single piece EWC suit with ceramic material with range of sizes : 510-695 x 295-385 x 520-795 mm with S trap for Ground floor and P trap for First floor Toilets with dual flush with all internal parts of dual flush cistern, ultra solid soft close seat cover with fittings of approved make with rubber buffer and cap all of approved make etc. complete for finished item in all respects: White Coloured, cost and conveyance of all materials and all labour charges like loading, unloading &amp; stacking etc., to school site including GST and all taxes etc., as applicable from time to time excluding installation. Similar or Nearer to the Shape as indicated in the given Photo with slight / qualified modifications in Length, Breath, Depth. (Including GST)</b>								
	EUROPEAN WC	1	0	0	0	1	0		0
	Total					1	7600	Nos	7,600
	<b>(CERA Sanitaryware Ltd) Supply of Orissa Pan white glazed W.C 1st quality conforming to IS:2556-Part-3-1981 with P or S trap: 580 x 440 mm Long including cost and conveyance of all materials : White Coloured including cost and conveyance of all materials and all labour charges like loading, unloading &amp; stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)</b>								
	INDAIN WC	1	0	0	0	1	0		0
	Total					1	1336.05	Nos	1,336
	<b>(CERA Sanitaryware Ltd) Supplying white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with internal flushing rim fixed with screws complete Indian make conforming to IS:2556 – 1995 including cost and conveyance of all materials and all labour charges like loading , unloading &amp; stacking etc., to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)</b>								
	SMALL URINAL BOWLS	2	0	0	0	2	0		0
	Total					2	712.72	Nos	1,425
	<b>(CERA Sanitaryware Ltd) Supplying of white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete. Indian make : 590 x 375 x 390 mm including cost and conveyance of all materials and all labour charges like loading, unloading &amp; stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)</b>								
	big urinal bowls	2	0	0	0	2	0		0
	Total					2	2277.07	Nos	4,554
	<b>(CERA Sanitaryware Ltd) Supply of Ceramic square glossy finish hand wash basin wall mount / hung. 1st quality conforming to IS: 2556-Part-4:1972 with waste fittings like rubber plug , chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore chromium plated Pillar tap of 1st Quality Indian make 400 gms Seiko / Senior / Nice / Esso or equivalent complete of white colour and approved make with standard CI brackets including wooden block : 550 x 400mm – Double C.P.Pillar Cock including cost and conveyance of all materials and all labour charges like loading, Unloading &amp; stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)</b>								
	wash basins	4	0	0	0	4	0		0
	Total					4	1478.17	Nos	5,913

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	<b>Plastering with CM 2 coats, 12mm thick, base coat in CM (1:5), 8mm thick and top coat in CM (1:3), 4mm thick with sponze finishing including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)</b>								
	outside side new toilet	1	4.3	0	2.35	10.11	0		0
	Total					10.11	307.14	sqm	3,105
	<b>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. (Excluding GST)</b>								
	New Toilet doors	2	1.2	0	2.1	5.04	0		0
	old Toilet doors	2	0.75	0	2.1	3.15	0		0
	Total					8.19	8217	sqm	67,297
	<b>Differential Cost of Cement (Including GST)</b>								
	<b>Differential Cost of Steel (Including GST)</b>								
	<b>Provision for GST @ 12.00%</b>								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	16122.48	PERCENT AGE	16,122

**Signature of Engineering Assistant**

**Signature of FE/AE/AEE**

**U SRINIVAS**

**Signature of Deputy Executive Engineer**

**Chereddi Naveenkumar**

**Signature of Executive Engineer**

**Kandepu Kedareshwara Rao**