

మన బడి నాడు-నేడు

Measurement Book No : 28236000201001

District Name	:	CHITTOOR
Mandal Name	:	PEDDAPANJANI
Village Name	:	KARASANAPALLE
Name of the Executing Agency	:	Panchayat Raj
Name of School	:	MPPS KARASANAPALLE
U-Dise Code	:	28236000201
Technical Sanctioned Amount	:	1412407
Admin Sanctioned Amount	:	1412407
Total Expenditure	:	975820

మన బడి నాడు-నేడు

Abstract

U-Dise Code : 28236000201
Technical Sanctioned Amount : 1412407
Admin Sanctioned Amount : 1412407
Total Expenditure : 975820
MBook Number : 28236000201001

Work Code	Work type name	Estimated Cost	Value of work done
201920012604	English Labs	40000	44800
201920034965	Green Chalk Board	41237	41196
201920034985	Furniture for Students and Staff	161805	0
201920035094	Drinking Water Supply	89841	67235
201920038630	Paintings to School	90873	74573
201920038907	Major and Minor Repairs	709478	498577
201920039262	Construction of Toilet with Running Water	279173	249439
	Total	1412407	975820

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 : 201920012604 **Name of the Work** : English Labs
Administrative Sanction No : Proc.No: 2823020101 / MBNN / 2020-2021 **Technical Sanctioned** : 101 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 : 201920034965 **Name of the Work** : Green Chalk Board
Administrative Sanction No : Proc.No: 2823020101 / MBNN / 2020-2021 **Technical Sanctioned** : /21-22 No
Estimate Amount (in Rs.) : 41,237/- **Work MBook Amount** : 41,196/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				

మన బడి నాడు-నేడు

	(Prince Board India) Green Chalk Boards - Supply and fixing of ceramic steel / Porcelain enamel Steel Green Chalk Boards of size 2400mmx 1200mm with vitreous enamel steel sheet thickness 0.3mm to 0.40mm with Ceramic steel (Belgium make)/ Porcelain enamel steel 0.3mm to 0.4mm (Japan make) engraving on surface (having vitreous enamelled coating both sides) 0.095mm thick top surface coating and back surface coating thickness of 0.03mm, supported with 9mm thick MDF Board (make : Greenlam / Merino / Century / Kitply / Greenply / ASIS of ISI standards and water proofing) for back support and it backing with 0.25mm thick galvanized iron sheet (make : TATA / JSW / Sail / Vizag Steel), fixed with anodized aluminium frame 20mm wide and 1.2mm thick and board shall be given additional support on all four sides with Aluminium J-Clamps (8 Nos.).Cost includes production cost for complete finished item of work, conveyance of all materials to work site, all labour charges like loading, unloading, Fixing, GST and all other taxes, charges and Rates etc., as applicable from time to time. The item shall carry a Warranty period of 7 (Seven) years from the date of Supply (Including GST)								
	Green chalk boards at class room and varandah	4	0	0	0	4	0		0
	Total					4	10299	Nos	41,196

Work Code	: 201920034985	Name of the Work	: Furniture for Students and Staff
Administrative Sanction No	: Proc.No: 2823020101 / MBNN / 2020-2021	Technical Sanctioned	: /21-22 No
Estimate Amount (in Rs.)	: 1,61,805/-	Work MBook Amount	: 0/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Staff Room Tables Assembled and Ready to Use and one side Triple storage is provided The overall dimensions should be of size 1200mm X 600mm X 750mm. Table Top material is made of 25mm thickness Flat single layer MDF board of Grade SBG II andthickness ±3mm of IS 12406 Latest (Excluding GST)								
	staff room tables	0	0	0	0	0	0		0
	Total					0	8650	Nos	0
	Staff Room Chairs/ Visitors Chairs Pedestal Base is with ABS Plasstic with ABS/Nylon Twin Caster wheels Minimum 5 Nos, of 50 mm Size and Arm Material is Propylene, seat material is PU Foam covered with Fabric. (Excluding GST)								
	staff room chairs	0	0	0	0	0	0		0
	Total					0	3000	Nos	0

మన బడి నాడు-నేడు

	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
	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)								
	Dual desks	0	0	0	0	0	0		0
	Total					0	6768.38	Nos	0

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)

Dual desks	0	0	0	0	0	0	0		0
Total					0	6821.78	Nos		0

Work Code : 201920035094

Name of the Work : Drinking Water Supply

మన బడి నాడు-నేడు

Administrative Sanction No

: Proc.No: 2823020101 / MBNN /
2020-2021

Technical Sanctioned : /21-22
No

Estimate Amount (in Rs.)

: 89,841/-

Work MBook Amount : 67,235/-
(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)								
	For hand wash basin	3	0.46	0.25	0.3	0.1	0		0
	For pipe line from sump to bath room	1	11	0.4	0.6	2.64	0		0
	Total					2.74	267.54	cum	733
	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)								
	For hand wash basin	1	1.17	3	0.1	0.35	0		0
	Total					0.35	3084.49	cum	1,080
	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)								
	12mm HYSD bars	49	0	0	0	49	0		0
	8mm HYSD bars	111	0	0	0	111	0		0
	Total					160	48.41	Kgs	7,746
	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

మన బడి నాడు-నేడు

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)									
For hand wash basin	3	0.71	0	0.65	1.38	0			0
For hand wash basin	1	2.4	0	0.2	0.48	0			0
For hand wash basin	2	0.45	0	0.25	0.23	0			0
Total					2.09	558.36	sqm		1,167
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)									
NP bib taps of size 12.70mm for 400 Grams	4	0	0	0	4	0			0
Total					4	351.76	Nos		1,407
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.[COLUMNS First Floor] (Excluding GST)									
For over head tank	1	0.23	0.23	0.65	0.03	0			0
Total					0.03	8113.81	cum		243
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 First Floor] (Excluding GST)									
For over head tank	2	3	0.2	0.23	0.28	0			0
For over head tank	2	1	0.2	0.23	0.09	0			0
Total					0.37	7455.1	cum		2,758

మన బడి నాడు-నేడు

	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)								
	Deduct opening	1	0.6	0.6	0.1	0.04	0		0
	For over head tank Top slab	1	1.55	3	0.1	0.47	0		0
	Total					0.51	7482.76	cum	3,816
	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 200mm thick First Floor] (Excluding GST)								
	Over head tank below slab	1	1.85	3.32	0.13	0.8	0		0
	Total					0.8	6307.1	cum	5,046
	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)								
	Hand wash basin at top side	2	0.35	0.1	0.2	0.01	0		0
	Hand wash basin below brick work	3	0.46	0.25	0.65	0.22	0		0
	Hand wash basin left and right	1	2.3	0.1	0.2	0.05	0		0
	Total					0.28	5108.62	cum	1,430
	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)								
	Brick work for Columns side of ohsr	3	0.47	0.38	0.65	0.35	0		0
	Brick work for side column	0	0	0	0	0	0		0
	Ohsr brick work above beams	2	3	0.23	1.25	1.73	0		0
	Ohsr brick work above beams	2	1	0.23	1.25	0.58	0		0

మన బడి నాడు-నేడు

	Total					2.66	5375.06	cum	14,298
	Plastering with CM 2 coats, 20mm thick, base coat in CM (1:6), 16mm thick and top coat in CM (1:4), 4mm thick with Dubara sponze finishing including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								
	For over head tank all around out side	1	8.86	1.26	0	11.16	0		0
	Hand wash basin	1	2.3	0	0.2	0.46	0		0
	Hand wash basin	2	0.35	0	0.25	0.17	0		0
	Hand wash basin	2	0.35	0	0.25	0.17	0		0
	Total					11.96	313.43	sqm	3,749
	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)								
	From ohsr to all required connection for drinking water	1	11	0	0	11	0		0
	Total					11	71.44	mtr	786
	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)								
	For sump and ohsr doors	25	0	0	0	25	0		0
	Total					25	70.08	Kgs	1,752
	Plastering with CM(1:4) Prop: 12mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work Over Brick Masonry. (APSS 901,906) (Excluding GST)								
	Ohsr inside	1	8	0	1.26	10.08	0		0
	Total					10.08	231.33	sqm	2,332
	Supply and fixing of 110mm dia ISI mark PVC rain water spouts of 4 Kg/cm2 pressure including Cost of necessary pvc bends, shoes and M.S.clamps and all other accessories and fixing in position including cost and conveyance of all materials to site , seigniorage charges sales and other taxes on all materials, all operational, incidental and labour cahrges such as fixing in alignment etc., complete for finished item of work.(APSS NO1328) in All Floors (Excluding GST)								
	At septik tank	1	3	0	0	3	0		0
	Total					3	553.33	rmt	1,660
	Supply and Fixing of 20A, 2 in one socket with 20A switch control modular type with MS flush boxes with front cover plate including all labour charges etc., complete (Excluding GST)								

మన బడి నాడు-నేడు

	For operation of motor	1	0	0	0	1	0		0
	Total					1	439.34	Nos	439
	Supplying and fixing of 90 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 & 1326) (Excluding GST)								
	For air pipes and drinknig water pipes	1	10	0	0	10	0		0
	Total					10	141.49	rmt	1,415
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	7203.78	PERCENT AGE	7,204

Work Code : 201920038630

Name of the Work : Paintings to School

Administrative Sanction No : Proc.No: 2823020101 / MBNN / 2020-2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 90,873/-

Work MBook Amount : 74,573/- (in Rs.)

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 Doors - Block1	0	0.95	1	2.1	0	0		0
	Deduct Windows - Block1	0	1.36	1	1.26	0	0		0
	Verandah dwarf wall - Block1	0	0	1	3.1	0	0		0

మన బడి నాడు-నేడు

	Verandah Long Walls - Block1	0	0	1	3.1	0	0		0
	Total					0	8.78	sqm	0
	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)								
	Deduction of toilet and windows	2	0.88	0	1.02	-1.8	0		0
	For back side of toilet	1	21.56	0	3.1	66.84	0		0
	for compound wall	1	17	0	1	17	0		0
	For kitchen room	1	13.16	0	3.1	40.8	0		0
	For New toilet block	1	6.9	0.5	0	3.45	0		0
	Total					126.29	121.78	sqm	15,380
	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)								
	Back side of toilet	1	5.95	0	1	5.95	0		0
	Deductions of external walls	0	6.97	0	0	0	0		0
	for compound wall	1	46.64	0	1	46.64	0		0
	For kitchen external	1	13.26	0	3.1	41.11	0		0
	For over head tank	1	8.92	0	1.2	10.7	0		0
	For Toilet external	1	13.46	0	3.1	41.73	0		0
	Total					146.13	219.04	sqm	32,008
	Painting to walls with a base coat of approved cement primer grade I 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 for internal walls in Ground Floor. (Excluding GST)								
	Deduction inside	1	11.14	0	1	11.14	0		0

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	for compound wall	1	0	0	0	0	0		0
	For Room inside all around	1	21.86	0	3.1	67.77	0		0
	For Varandah all around	1	18.16	0	3.1	56.3	0		0
	Total					135.21	49.31	sqm	6,667
	Painting to walls with a base coat of approved cement primer grade II 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 for external walls in Ground Floor. (Excluding GST)								
	Deduction for windows and grills	1	11.14	0	1	11.14	0		0
	For class room and Varandah	1	27.86	0	3.3	91.94	0		0
	Total					103.08	53.25	sqm	5,489
	Painting to Iron work with Red Oxide primer thoroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, all operational, incidental and labour charges etc., complete for finished item of work. (Excluding GST)								
	For windows and grills	1	30.38	0	1	30.38	0		0
	Total					30.38	43.62	sqm	1,325
	Painting to Iron work with Two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade thoroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, all operational, incidental and labour charges etc., complete for finished item of work. (Excluding GST)								
	For Grills of windows and doors	0	0	0	0	0	0		0
	Total					0	79.99	sqm	0
	Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawings and Technical Specification Clause 1701 MoRD/ 801 MoRTH (Excluding GST)								
	Writing Letters	0	400	0	0	0	0		0
	Total					0	1.12	cm	0
	(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 & paint Coloring (Including GST)								

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	For Grills of windows,doorsand ventilators	1	30.38	0	1	30.38	0		0
	Total					30.38	90.01	Sqm	2,735
	(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)								
	for room ,varnadah,kitchen and toilet	1	94.86	0	1	94.86	0		0
	Total					94.86	38.63	Sqm	3,664
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	7304.32	PERCENT AGE	7,304

Work Code : 201920038907

Name of the Work : Major and Minor Repairs

Administrative Sanction No : Proc.No: 2823020101 / MBNN / 2020-2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 7,09,478/-

Work MBook Amount : 4,98,577/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	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 & contractors profit complete for finished item of work[Not exceeding 3 sqm] (Excluding GST)								

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	Dismantling doors and windows	4	0	0	0	4	0		0
	Total					4	154.75	Nos	619
	Plastering with CM(1:4) Prop: 12mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work Over Brick Masonry. (APSS 901,906) (Excluding GST)								
	For back side toilet east and west	2	4.85	0	1.52	14.74	0		0
	For back side toilet south side	1	6.8	0	1.52	10.34	0		0
	For Grills placing at varanadah	1	4.25	0	1.2	5.1	0		0
	For kitchen all around	1	13	0	1.22	15.86	0		0
	For pathway tiles supported walls	1	47.4	0	0.32	15.17	0		0
	Total					61.21	231.33	sqm	14,160
	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)								
	at kitchen	2	3.96	0.23	1.1	2	0		0
	at kitchen	2	3	0.23	1.2	1.66	0		0
	At kitchen all around	1	0	0	0	0	0		0
	Brick work at varandah	1	4.2	0.23	1	0.97	0		0
	Deduct column portion	1	0.25	0.23	1	-0.06	0		0
	For back side toilet all around	1	0	0	0	0	0		0
	For parking tiles side supported walls	1	21	0.1	0.1	0.21	0		0
	Total					4.78	5108.62	cum	24,419
	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)								
	Class Room-10mm HYSD bars	20	0	0	0	20	0		0
	Class Room-12mm HYSD bars	70	0	0	0	70	0		0

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	Class Room-8mm HYSD bars	225	0	0	0	225	0		0
	Total					315	48.41	Kgs	15,249
	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 125mm thick] (Excluding GST)								
	For kitchen slab	1	5.25	4.15	0.13	2.83	0		0
	Total					2.83	7136.64	cum	20,197
	Plastering with CM 2 coats, 20mm thick, base coat in CM (1:6), 16mm thick and top coat in CM (1:4), 4mm thick with Dubara sponze finishing including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								
	at varandah with out columns	2	4	0	1	8	0		0
	Black board chipping and plastering	1	8.2	1.25	0	10.25	0		0
	For back side of toilet	0	0	0	0	0	0		0
	For Grills placing at varanadah	1	4.25	0	1.05	4.46	0		0
	For kitchen out side	1	13.64	0	1.83	24.96	0		0
	Total					47.67	313.43	sqm	14,941
	Providing impervious coat 1:1.5:3 mix using 6mm chips with 4 mm thick welded mesh of size (2x3) using 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, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete 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 (Excluding GST)								
	Class Room-Slab1	1	9.15	7.1	1	64.97	0		0
	Total					64.97	1461.59	sqm	94,960
	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)								

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	For Doors and windows	225	0	0	0	225	0		0
	Grills for front varandah	200	0	0	0	200	0		0
	Total					425	70.08	Kgs	29,784
	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 & 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)								
	At kitchen	1	3	3.5	0	10.5	0		0
	At Varanadah 1	1	3	6.08	0	18.24	0		0
	Room 1	1	4.8	6.08	0	29.18	0		0
	Total					57.92	1792.35	sqm	1,03,813
	Supply & 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 & all other taxes & all labour charges etc. complete for fixing sheets in position. (Excluding GST)								
	At Back side of toilet	0	0	0	0	0	0		0
	At hand wash basin	0	0	0	0	0	0		0
	Total					0	466.91	sqm	0
	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)								
	At Back side of toilet and hand wash basin	1	0	0	0	0	0		0
	Total					0	428.4	rmt	0
	Supply and fixing of 25mm dia 2.2mm thick P.V.C. pipe (ISI Mark) concealed in Roof Slabs with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	At Roof slab of toilet and and kitchen	1	10.5	0	0	10.5	0		0
	Total					10.5	66.86	mtr	702
	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)								
	For class room and kitchen	1	21	0	0	21	0		0
	Total					21	71.44	mtr	1,500

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	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)								
	Class Room - Block1	1	225	0	0	225	0		0
	Kitchen	1	25	0	0	25	0		0
	Total					250	18.62	mtr	4,655
	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)								
	Class Room - From DB to SB Room1	1	74	0	0	74	0		0
	Class Room - From DB to SB Room2	1	63	0	0	63	0		0
	Total					137	64.93	mtr	8,895
	Supply and run of 2 of 56/0.3mm (4 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete. (Excluding GST)								
	Toilet Block - From TPN to SPN1	1	25	0	0	25	0		0
	Total					25	90.74	mtr	2,269
	Supply and fixing of 6A/10A modular 3 pin socket with 6A modular switch with 3 modular metal box with cover frame on a common board with earth continuity including wire leads, earth connections along with all labour charges etc., complete.switches (Excluding GST)								
	6A 3 pin Sockets for Class Room	4	0	0	0	4	0		0
	Total					4	284.35	Nos	1,137
	Supply and Fixing of 16A/6A, 2 in one socket with 16A switch control modular type with MS flush boxes with front cover plate including all labour charges etc., complete (Excluding GST)								
	Class Room - 16A 3 Pin Socket	1	0	0	0	1	0		0
	Total					1	434.34	Nos	434
	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)								
	Class Room - Tube Light Set	4	0	0	0	4	0		0
	Kitchen - Tube Light Set	4	0	0	0	4	0		0

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	Toilet Block - Tube Light Set	2	0	0	0	2	0		0
	Total					10	867.5	Nos	8,675
	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)								
	at open place all around school building	3	0	0	0	3	0		0
	Total					3	5900	Nos	17,700
	Supply of 1200mm (48) Sweep 230V, A.C 50 Hz Ceiling Fan with 3 blades and double ball bearings with all standard accseeries. (Excluding GST)								
	Ceiling Fan for Class Rooms	6	0	0	0	6	0		0
	Total					6	2020	Nos	12,120
	Labour charges for fixing of ceiling fan and regulator including transportation and giving connections with twin core wire etc., complete. (Excluding GST)								
	ceiling fans labour charges	6	0	0	0	6	0		0
	Total					6	138.88	Nos	833
	Supply of fresh air exhaust fan of light duty 250V A.C 50 Hz., 225mm (9) 1350R.P.M. Metallic body plastic blades, wire mesh, etc., complete. Makes: Crompton / Almounard / Havells Turbo Force. (Excluding GST)								
	ceiling fans	0	0	0	0	0	0		0
	Total					0	1302.9	Nos	0
	Supply and fixing TPN Distribution board with IP-42 protection (Metal Door) suitable for 3 phase ELCB / RCCB / FP Isolator as incomer and 10kA SP MCBs as outing going including internal connection and labour charges for surface / flush mounting etc., complete. (Excluding GST)								
	TPN Distribution box	0	0	0	0	0	0		0
	Total					0	6947.07	Nos	0
	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)								
	spn distribution box	1	0	0	0	1	0		0
	Total					1	4107.07	Nos	4,107
	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 & 1326) (Excluding GST)								
	for sanitary connections	1	3	0	0	3	0		0

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	Total					3	169.13	rmt	507
	Supply of precast concrete blocks for paving of M-30 grade and thickness not less than 60 mm for Non-traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturers specification, 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)								
	For pathway tiles	1	15.5	3	0	46.5	0		0
	For pathway tiles for kitchen	2	8	3	0	48	0		0
	Total					94.5	671.76	Sqmt	63,481
	Drinking water system for schools having source water TDS below 400 ppm : 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 : 643.8mmx529.4mmx 1612.2mm (including top cover and leg). Raw water tank (40 liters capacity) : Outer size : 226.4 mm x 477.4 mm x 421.2mm. Pure water tank (60 liters capacity): Outer size : 338.4 mmx 477.4 mm x 421.2mm mm. Tank Frame : The overall Tank frame shall be made with stainless steel tube of size 25 mm x 25 mm x 1.6 mm thickness with all verticals and horizontals and also stiffeners at bottom of raw water tank & 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 (643.8 mm x 529.4mmx37mm). Sink: 4 Nos. of heavy-duty taps connected to stainless steel flexible pipes from pure water tank to foot pedestal and foot pedestal to taps. Taps shall be fixed at height of 380mm from bottom sink. Water Treatment unit with UV System (with all necessary connections) : UV system with 100 LPH (Make: ALFA / Sukruth / Nexus); Dual Media Filter; (Mud) Micron filter-01. (Make: MMP / Pratham Ionflow/Global absorbent); DC Pump - 12 - 24W; booster pump 0.5 hp; Socket - 01 No; Battery-12V-7ah [one(01)- in number with all CHARGEABLE ACEESSORIES; optimum rating. One TDS meter. The entire tank should be covered with stainless steel 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. 4 Nos. of 150mm height legs should be provided. Pedal push heavy duty taps shall be provided; All the pipes used are SS 304 Except the Drain pipe from dispenser , which can be UPVC of 40mm dia. (Excluding GST)								
	Ro palnt	0	0	0	0	0	0		0
	Total					0	65373	Nos	0
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0

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	Total					1	53419	PERCENT AGE	53,419
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Work Code	: 201920039262	Name of the Work	: Construction of Toilet with Running Water
Administrative Sanction No	: Proc.No: 2823020101 / MBNN / 2020-2021	Technical Sanctioned	: /21-22 No
Estimate Amount (in Rs.)	: 2,79,173/-	Work MBook Amount	: 2,49,439/- (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)								
	For footings	4	1.3	1.3	1.5	10.14	0		0
	For RR masonry	2	3.3	0.5	0.6	1.98	0		0
	For RR MASONARY	2	4.3	0.5	0.6	2.58	0		0
	Septic Tank	1	2.5	1.7	1.5	6.38	0		0
	Total					21.08	267.54	cum	5,640
	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)								
	For Footings	4	1.25	1.25	0.15	0.94	0		0
	For Septic tank	1	2.5	1.7	0.15	0.64	0		0
	Others, if any	0	1.5	1.5	0.15	0	0		0
	RR masonry	2	4.2	0.45	0.1	0.38	0		0
	RR masonry	2	3.2	0.45	0.1	0.29	0		0
	Total					2.25	3084.49	cum	6,940

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	Random Rubble stone masonry in CM (1:6) using hard variety of Granite stones from approved quarry including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for foundation and basement. (Excluding GST)								
	For Toilet east and west	2	3.1	0.45	0.55	1.53	0		0
	Room alround (below GL & above GL)	2	4.1	0.45	0.55	2.03	0		0
	Total					3.56	3131.21	cum	11,147
	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.[FOOTINGS] (Excluding GST)								
	For Toilet footings	4	1.2	1.2	0.24	1.38	0		0
	Total					1.38	6391.38	cum	8,820
	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.[COLUMNS] (Excluding GST)								
	For Columns of toilet	4	5.4	0.23	0.23	1.14	0		0
	Total					1.14	7900.38	cum	9,006
	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)								
	East and West of toilet	2	2.64	0.23	0.23	0.28	0		0
	Left , Right and Middle	3	3.65	0.23	0.23	0.58	0		0
	Total					0.86	8383.38	cum	7,210
	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)								

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	For Roof Beams	2	2.64	0.23	0.23	0.28	0		0
	For Roof Beams	3	3.65	0.23	0.23	0.58	0		0
	Total					0.86	7340.64	cum	6,313
	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)								
	back side of toilet inside	3	1.05	0.1	0.4	0.13	0		0
	Back side of toilet out side	1	0.75	0.1	1.75	0.13	0		0
	Back side of toilet out side	1	2	0.1	0.45	0.09	0		0
	Back side of toilet outside	2	1.6	0.1	0.8	0.26	0		0
	Deduct basins	0	0	0	0	0	0		0
	Deduct columns	4	0.23	0.23	3	-0.63	0		0
	Deduct Toilet Doors	2	0.75	0.23	2.1	-0.72	0		0
	Deduct Ventilaters	2	0.6	0.23	0.6	-0.17	0		0
	Front and back of toilet block	2	2.7	0.23	2.77	3.44	0		0
	inside back side of toilet	2	0.6	0.1	0.5	0.06	0		0
	inside back side of toilet	1	0.35	0.1	0.4	0.01	0		0
	inside back side toilet	2	0.65	0.1	0.7	0.09	0		0
	Left , Right and Middle	3	3.65	0.23	2.77	6.98	0		0
	Steps 3	3	0.3	0.23	0.72	0.15	0		0
	Steps1	1	0.15	0.23	0.72	0.02	0		0
	Steps2	2	0.2	0.23	0.72	0.07	0		0
	Total					9.91	5108.62	cum	50,626
	Ornamental Ceiling plastering with CM (1:3), 12mm thick including cost and conveyance of all materials and all labour charges etc., complete. (Excluding GST)								
	Toilets portion	0	0	0	0	0	0		0
	Total					0	250.16	sqm	0
	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 & 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)								
	deduct basins	2	0.4	0	0.55	-0.44	0		0
	For Steps	6	0.2	0	0.72	0.86	0		0

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	Remaining portion	0	0	0	0	0	0		0
	Remaining portion in toilet	2	0.5	0	1.32	1.32	0		0
	Toilet inside	2	0.48	0	0.4	0.38	0		0
	Toilets inside	2	0.5	0.4	1	0.4	0		0
	Total					2.52	715.72	sqm	1,804
	Dadoing to walls with ISO accerdiatate 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)								
	Door up side	1	0.75	0	0.18	0.14	0		0
	For Toilet Block 1 and 2	2	7.72	0	2.05	31.65	0		0
	On surface of partition walls	0	0.16	0	0.48	0	0		0
	Partition walls	2	0.48	0	1.15	1.1	0		0
	Total					32.89	558.36	sqm	18,364
	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)								
	Ventilators	20	0	0	0	20	0		0
	Total					20	70.08	Kgs	1,402
	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 (Excluding GST)								
	WPC doors for both boys and girls	2	0.73	0	2.04	2.98	0		0
	Total					2.98	3030	sqm	9,029
	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	18	0	0	0	18	0		0
	12mm HYSD bars	310	0	0	0	310	0		0
	8mm HYSD bars	235	0	0	0	235	0		0
	Total					563	48.41	Kgs	27,255

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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 & 1326) (Excluding GST)									
Rain Water Pipes	0	0	0	0	0	0			0
Sanitary Connections	1	4	0	0	4	0			0
Total					4	169.13	rmt		677
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)									
Hand Wash	1	2	0	0	2	0			0
Toilet Tap Connections	1	10	0	0	10	0			0
Total					12	85	rmt		1,020
Supplying and fixing of European Water Closet of 1st quality confirming to IS: 2556-Part-2-1973 of Hindustan / Neycer or Parryware make white gllazed with S trap lying and fixing best Indian make plastic seal and lid for European water closets with rubb, 10 Litres capacity Single Flush white PVC low level flushing system parryware, slimline with internal components and short bend including cost and conveyance of all materials to site, all labour charges, sales and other taxes on all materials etc., complete for finished item of work for all floors. (Excluding GST)									
EWC for Toilet	1	0	0	0	1	0			0
Total					1	2469	Nos		2,469
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)									
NP bib taps of size 12.70mm for Toilet	1	0	0	0	1	0			0
NP bib taps of size 12.70mm for Washing Cistern	1	0	0	0	1	0			0
Total					2	351.76	Nos		704
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 125mm thick] (Excluding GST)									

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	Toilet work	1	4.57	4.92	0.13	2.81	0		0
	Total					2.81	7136.64	cum	20,054
	Labour charges only for fixing European Water Closet with P or S trap as per standard practice (BMW- D.15) (Excluding GST)								
	European water closet	1	0	0	0	1	0		0
	Total					1	264	Nos	264
	Labour charges only Fixing Orissa pan W.C with P or S Trap (BMW-D.06) (Excluding GST)								
	Orissa pan	1	0	0	0	1	0		0
	Total					1	377	Nos	377
	Labour charges only for fixing Indian make Flat Back Wash Hand Basin with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting Pillar Taps complete with standard CI brackets including wooden block (BMW-D.28) (Excluding GST)								
	Hand wash basin	3	0	0	0	3	0		0
	Total					3	319	Nos	957
	(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 & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	Urinal bowls	2	0	0	0	2	0		0
	Total					2	2277.07	Nos	4,554
	(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 & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	Hand wash basin	3	0	0	0	3	0		0
	Total					3	1478.17	Nos	4,435
	(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: 510 x 400 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 & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	Orissa pan	1	0	0	0	1	0		0
	Total					1	1185	Nos	1,185

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	Plastering with CM 2 coats, 20mm thick, base coat in CM (1:6), 16mm thick and top coat in CM (1:4), 4mm thick with Dubara sponze finishing including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								
	back side of toilet	5.95	1	0	1	5.95	0		0
	Deduct doors	2	0.75	0	2.1	-3.15	0		0
	Front and back	2	3.13	0	3	18.78	0		0
	Left, Right and Middle	2	3.6	0	3	21.6	0		0
	Steps	7	0.72	0	0.2	1.01	0		0
	Total					44.19	313.43	sqm	13,850
	Plastering with CM(1:4) Prop: 12mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work Over Brick Masonry. (APSS 901,906) (Excluding GST)								
	Back side of toilet	0	0	0	0	0	0		0
	Inside walls	2	1.22	0	3	7.32	0		0
	Inside walls	2	2.12	0	3	12.72	0		0
	Inside walls	2	3.14	0	3	18.84	0		0
	Partition walls	2	1.15	1.33	0	3.06	0		0
	Total					41.94	231.33	sqm	9,702
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	25635.59	PERCENT AGE	25,636

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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