

మన బడి నాడు-నేడు

Measurement Book No : 28236002205001

District Name	:	CHITTOOR
Mandal Name	:	PEDDAPANJANI
Village Name	:	PEDDAKAPPALLE
Name of the Executing Agency	:	Panchayat Raj
Name of School	:	MPUPS PEDDAKAPPALLE
U-Dise Code	:	28236002205
Technical Sanctioned Amount	:	2781492
Admin Sanctioned Amount	:	2781492
Total Expenditure	:	2012236

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Abstract

U-Dise Code : 28236002205
Technical Sanctioned Amount : 2781492
Admin Sanctioned Amount : 2781492
Total Expenditure : 2012236
MBook Number : 28236002205001

Work Code	Work type name	Estimated Cost	Value of work done
201920001468	English Labs	40000	41439
201920031806	Green Chalk Board	84964	82392
201920032178	Furniture for Students and Staff	561276	211901
201920032323	Paintings to School	201611	226730
201920032504	Major and Minor Repairs	1057998	797790
201920037056	Construction of Toilet with Running Water	267200	291857
201920038600	Providing Electrification with Fans and Tube Lights	302807	150477
201920038932	Drinking Water Supply	265636	209651
	Total	2781492	2012236

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

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Work Code : 201920001468 **Name of the Work** : English Labs
Administrative Sanction No : Proc.No: 2823020107 / MBNN / 2020-2021 **Technical Sanctioned** : 118 No
Estimate Amount (in Rs.) : 40,000/- **Work MBook Amount** : 41,439/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	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	36999	0		0
	Total					36999	1	LS	36,999

Work Code : 201920031806 **Name of the Work** : Green Chalk Board
Administrative Sanction No : Proc.No: 2823020107 / MBNN / 2020-2021 **Technical Sanctioned** : /21-22 No
Estimate Amount (in Rs.) : 84,964/- **Work MBook Amount** : 82,392/- (in Rs.)

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

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	(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	8	0	0	0	8	0		0
	Total					8	10299	Nos	82,392

Work Code : 201920032178

Name of the Work : Furniture for Students and Staff

Administrative Sanction No : Proc.No: 2823020107 / MBNN / 2020-2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 5,61,276/-

Work MBook Amount : 2,11,901/- (in Rs.)

Date of Measure ment	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 (revised 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)								
	TeacherTableIn ClassRoom	0	0	0	0	0	0		0
	Total					0	3304	Nos	0

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	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
	<p>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)</p>								
	Dual Desks For Class 4 To 6	23	0	0	0	23	0		0
	Total					23	6821.78	Nos	1,56,901

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Supply & Placing Dual desk for class VII to X ; TYPE – III The overall dimensions of desk will be W 1066mm x D 930mm x H 760 (for table top). The seating bench height shall be 452 mm. 1. Table top shall be made up of 18.0 mm thick plywood (tolerance as per IS 303) 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 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 150mm. 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 Class 7 To 10	3	0	0	0	3	0		0
Total					3	7558.63	Nos	22,676

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(Methodex Systems Pvt Ltd) 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. The desk shall be manufactured as per the specifications mentioned below: - (1) Table top shall be made up of 18.0 mm thick plywood (Tolerance as per IS 303) 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. The desk shall be Greenguard certified for low chemical emission of VOCs (Voltage Organic Compounds) and carcinogens, contributing to a healthier room environment. Valid certificate to be submitted along with the bid. Make of Plywood : Merino / Greenply / Century / Kitply. Make of Laminate & balancer : Marino / Greenlam / ASIS / Century. (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. Make for CRCA sheet – ESSAR / TATA / SAIL / JINDAL. Proposed desk should be ROHS certified from INTERTEK / UL. Valid certificate to be submitted along with the bid. (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. Raw materials of MS tubes shall be from ESSAR / TATA / SAIL / JINDAL. (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. Technical details of seat and back rest are mentioned below: (8) 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. (9) 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. (10) Leg space between top and seat shall be 110mm. (11) 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. The item shall carry a warranty period of 5 (Five) years from the date of supply (Including GST)

dual desk	0	0	0	0	0	0	0	0
Total					0	6768.38	Nos	0

(V3 Enterprises Pvt Ltd) Dual Desk Type-IV (Class VIII, IX & X) Supply & Placing Dual desk for class IX to X ; TYPE – IV

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(Color Blue of Greenlam or Equivalent or any other colour/s decided by the Govt.) The overall dimensions of desk will be W 1066mm x D 930mm x H 780mm (for table top). The seating bench height shall be 452 mm. The desk shall be manufactured as per the specifications mentioned below: - (1) Table top shall be made up of 18.0 mm thick plywood (tolerance as per IS 303) 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. The desk shall be Greenguard certified for low chemical emission of VOCs (Voltage Organic Compounds) and carcinogens, contributing to a healthier room environment. Valid certificate to be submitted along with the bid. Make of Plywood : Merino / Greenply / Century / Kitply. Make of Laminate & balancer : Marino / Greenlam / ASIS / Century. (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. Make for CRCA sheet – ESSAR / TATA / SAIL / JINDAL. Proposed desk should be RoHS certified from Intertek/UL. Valid certificate to be submitted along with the bid. (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. Raw materials of MS tubes shall be from ESSAR / TATA / SAIL / JINDAL. (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 (projectingtowards the seating bench) shall be rounded through corner-formingtechnology (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. (8) Technical details of seat and back rest are mentioned below: (9) 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. (10) 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. (11) Leg space between top and seat shall be 150mm. (12) 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. (13) The MIG / Spot welding shall be done as per technical requirement. (14) All metal components shall be powder coated in satin finish with pretreatment process. Powder coating shall be tested and certified on following parameters from NABL Accredited/ Government Laboratory, Valid certificates / test reports to be submitted along with the bid. (15) Adhesion test: EN ISO 2409 (2 mm). The item shall carry a warranty period of 5 (Five) years from the date of supply (Including GST)

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	Dual Desks 7 to 10	0	0	0	0	0	0		0
	Total					0	8828.84	Nos	0
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	32323.83	PERCENT AGE	32,324

Work Code : 201920032323

Name of the Work : Paintings to School

Administrative Sanction No : Proc.No: 2823020107 / MBNN / 2020-2021

**Technical Sanctioned : /21-22
No**

Estimate Amount (in Rs.) : 2,01,611/-

**Work MBook Amount : 2,26,730/-
(in Rs.)**

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

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<p>(Berger Paints India) Painting to walls with two coats of acrylic emulsion paint weather proof water based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter / Interior 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 / scrubbing the surface to remove old paint / lime surface any other adhesives / all loose powdered materials with mechanical devices (optimum pressure) like automatic sandar and mechanical scrubber or manually (where ever mechanical scrubbing not possible) as per technical specification / conditions and including Bio wash / Jet wash / repairs to cracks upto 5mm with acrylic paste / dampness / patches to restore the wall surface apply primer and acrylic emulsion exterior grade / interior grade of the company manufactured as per the given specifications, in two coats. 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 including all 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 & paint coloring Total 3 (three) coats:1. Primary Coat 2. Emulsion paint 2(two coats) Exterior (1) Exterior Emulsion should satisfy following parameters : - Dry film thickness for primary coat (Barrier coat) = 70 – 80 Microns, Dry film thickness for emulsion 2 coats = 50 – 60 Microns, Sheen levels at 60 degree GH = > 18 as measured in white, Water resistance = passes> 48 Hrs as per ASTM D870 – 15, Flame spread resistance = Passes as per BS 476 – PART-7 –1997 : Rating Class-I, Resistance to Alkali= Efflorescence Test (Water Permeability test as per SS-500-2002), Durability against colour, flaking, cracking, chalking and weathering = 7 Years warranty on colour & film integrity. Surface drying type = 30 minutes, Spread area = 50 – 60 sqft, Adhesive capacity = Pull of adhesion > 1.5 Mpa, Temperature stability = QUVA > 1000 hours, Dust Repellent = Natural weather exposure for 3 months – No visual difference initially and after cleaning (Including GST)</p>								
for all external walls	1	1098.11	3.8	1	1098.11	0		0
for Dummy columns	1	15.2	0	1	0	0		0
For OHSR tank	1	10.67	0	1	0	0		0
new toilet block deduction	6	0.67	1.25	0	0	0		0
new toilet locks	0	3.58	2.47	0	0	0		0
Total					1098.11	85.02	Sqm	93,361

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(Berger Paints India) Painting to walls with two coats of acrylic emulsion paint weather proof water based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter / Interior 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 / scrubbing the surface to remove old paint / lime surface any other adhesives / all loose powdered materials with mechanical devices (optimum pressure) like automatic sandar and mechanical scrubber or manually (where ever mechanical scrubbing not possible) as per technical specification / conditions and including Bio wash / Jet wash / repairs to cracks upto 5mm with acrylic paste / dampness / patches to restore the wall surface apply primer and acrylic emulsion exterior grade / interior grade of the company manufactured as per the given specifications, in two coats. 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 including all 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 & paint coloring Total 3 (three) coats:1. Primary Coat 2. Emulsion paint 2(two coats) Interior (2) Interior Emulsion should satisfy following parameters : - Dry film thickness for primary coat = 15 – 20 Microns Dry film thickness for emulsion 2 coats = 45 – 50 Microns, Scrub cycles = Minimum 300 cycles as per ASTM D 3450, Washability = Minimum 14000 cycles, Sheen levels at 60 degree GH = <5 units, Resistance to Alkali= Passes the test as per IS 15489 – 2004, Durability against colour, flaking, cracking, chalking and weathering = 7 Years warranty on colour & film integrity., Surface drying type = 30 minutes, Spread area = 120 – 130 sqft per liter, Temperature stability = Passes the test as per IS 15489: 2004. (Including GST)									
For all internal walls	1	836.03	3.6	1	836.03	0			0
Total					836.03	87.03	Sqm		72,760
(Berger Paints India) Doors & 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 & 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)									
Doors	0	0	0	0	0	0			0
kitchendoor	0	0	0	0	0	0			0
Overall	1	20.6	0	1	20.6	0			0
windows	0	0	0	0	0	0			0
Total					20.6	96.02	Sqm		1,978

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(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)									
fullpanelled doors & Windows	0	0	0	0	0	0	0		0
gates	0	0	0	0	0	0	0		0
half panelleddoors	0	0	0	0	0	0	0		0
Overall	1	133.51	0	1	133.51	0			0
Ventilators & Windows	0	0	0	0	0	0	0		0
Total					133.51	90.01	Sqm		12,017
(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 all the roomsinternalceiling	7	7.8	6.7	0	365.82	0			0
vareandha ceiling	5	6.3	5.39	0	169.78	0			0
Total					535.6	87.03	Sqm		46,613

Work Code : 201920032504

Name of the Work : Major and Minor Repairs

Administrative Sanction No : Proc.No: 2823020107 / MBNN / 2020-2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 10,57,998/-

Work MBook Amount : 7,97,790/- (in Rs.)

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Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	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 & contractor profit etc., complete [Brick masonry] (Excluding GST)								
	compound wall	1	3	0.23	1.3	0.9	0		0
	Total					0.9	262.08	cum	236
	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 & contractor profit etc., complete [Kadapa slabs or shahabad stone slabs on sand bed] (Excluding GST)								
	at 1 st class room	1	9.1	4.8	0	43.68	0		0
	at 1 st class room varandah	1	9.6	2.59	0	24.86	0		0
	for RBK	1	9.05	3.6	0	32.58	0		0
	Total					101.12	6.6	Sqm	667
	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 & contractor profit etc., complete [Old cement mortar plaster] (Excluding GST)								
	plaetring removal	3	1.5	1	0	4.5	0		0
	Total					4.5	5.5	Sqm	25
	Plain Cement Concrete (1:5:10) M5 grade using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work (Excluding GST)								
	for brick work around trees	0	0	0	0	0	0		0
	for septic tank	0	0	0	0	0	0		0
	p.c.c	0	0	0	0	0	0		0
	p.c.c	0	0	0	0	0	0		0
	Total					0	3235.36	cum	0
	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)								

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	RR masnory for stage	1	4.05	0.45	0.75	1.37	0		0
	Stage	2	3.35	0.45	0.75	2.26	0		0
	Total					3.63	3330.42	cum	12,089
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 septic tank inner walls	0	0	0	0	0	0		0
	Total					0	236.91	sqm	0
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)									
	1. besides toilet block compound walls	1	7.35	0.1	0.62	0.46	0		0
	2.beside toilet block compound walls	1	0.75	0.1	1.79	0.13	0		0
	at 2nd class room	1	2.88	0.23	0.93	0.62	0		0
	at 2nd class room	1	1.7	0.23	0.93	0.36	0		0
	at first class room	1	2.26	0.1	0.78	0.18	0		0
	at first class room	1	1.92	0.1	0.78	0.15	0		0
	at first class room	1	1.9	0.1	0.78	0.15	0		0
	at first class room	1	2.27	0.1	0.78	0.18	0		0
	at hand wash	1	1.42	0.1	1.75	0.25	0		0
	at hand wash	1	1.75	0.1	1.7	0.3	0		0
	besides toilet block compound walls	1	0.23	0.23	0.6	0.03	0		0
	besides toilet block compound walls	1	4.25	0.1	0.6	0.26	0		0
	compound walls	1	3	0.23	1.3	0.9	0		0
	dumping yard pit side walls	2	2.1	0.15	1.07	0.67	0		0
	dumping yard pit side walls	2	1.1	0.15	1.07	0.35	0		0
	for hand wash	1	3.45	0.1	0.75	0.26	0		0
	for hand wash	1	0.5	0.1	0.75	0.04	0		0
	kitchen shed	1	3.5	0.23	0.7	0.56	0		0
	kitchen shed	1	3.1	0.23	1.6	1.14	0		0
	kitchen shed	1	3.5	0.23	0.9	0.72	0		0

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	paver block path side walls	1	11.3	0.23	0.15	0.39	0		0
	paver block path side walls	1	13.7	0.23	0.15	0.47	0		0
	paver block path way side walls	1	7.4	0.23	0.15	0.26	0		0
	paver block path way side walls	1	4.4	0.23	0.15	0.15	0		0
	paver block path way side walls	1	16.3	0.23	0.15	0.56	0		0
	paver block path way side walls	1	10	0.23	0.15	0.35	0		0
	paver block path way side walls	1	5.6	0.23	0.15	0.19	0		0
	paver block path way side walls	1	6.2	0.23	0.15	0.21	0		0
	paver block path way side walls	1	19	0.23	0.15	0.66	0		0
	paver block path ways side walls	1	6.2	0.23	0.15	0.21	0		0
	tree gaurds 3 nos	0.88	1	1	1	0.88	0		0
	Total					12.04	5180.09	cum	62,368
Brick masonry in CM (1:6) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Basement. (Excluding GST)									
	At 2nd class room	0	0	0	0	0	0		0
	At 2nd class room	0	0	0	0	0	0		0
	At first class room	0	0	0	0	0	0		0
	At first class room	0	0	0	0	0	0		0
	At first class room	0	0	0	0	0	0		0
	At first class room	0	0	0	0	0	0		0
	At hand wash	0	0	0	0	0	0		0
	At hand wash	0	0	0	0	0	0		0
	Besides toilet block compound walls	0	0	0	0	0	0		0
	brick work at drinking waterunit	0	0	0	0	0	0		0
	brick work at fencing	0	0	0	0	0	0		0

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brick work at toilet block abovecompoundwall	0	0	0	0	0	0	0		0
brick work attoilet block abovecompoundwall	0	0	0	0	0	0	0		0
brick work behind dias	0	0	0	0	0	0	0		0
brick work for dust bin	0	0	0	0	0	0	0		0
BRICK WORK FOR PATHWAYS	0	0	0	0	0	0	0		0
brick workat rain water harvesting	0	0	0	0	0	0	0		0
brickworkat kitchenshed	0	0	0	0	0	0	0		0
Compound walls	0	0	0	0	0	0	0		0
Compound walls	0	0	0	0	0	0	0		0
Compound walls	0	0	0	0	0	0	0		0
Compound walls	0	0	0	0	0	0	0		0
for around trees	0	0	0	0	0	0	0		0
For hand wash	0	0	0	0	0	0	0		0
For hand wash	0	0	0	0	0	0	0		0
For septic tank	0	0	0	0	0	0	0		0
Kitchen shed	0	0	0	0	0	0	0		0
Kitchen shed	0	0	0	0	0	0	0		0
Kitchen shed	0	0	0	0	0	0	0		0
partion wallbehindtoiletblock	0	0	0	0	0	0	0		0
partition wall behindtoilet block	0	0	0	0	0	0	0		0
rbk offside room varandah wall	0	0	0	0	0	0	0		0
rbk opposite room varandahwall construction	0	0	0	0	0	0	0		0
toiletblock at compoundwall	0	0	0	0	0	0	0		0
Total						0	4837.61	cum	0
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)									

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	for septic tank	0	0	0	0	0	0		0
	For gate Columns	0	0	0	0	0	0		0
	Total					0	48.41	Kgs	0
	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)								
	Dummy columns	3	0.23	0.23	0.3	0.05	0		0
	Dummy columns two storeyed building	4	0.23	0.3	0.5	0.14	0		0
	for gate columns	2	0.3	0.23	2.25	0.31	0		0
	Total					0.5	8179.73	cum	4,090
	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 septic tank	0	0	0	0	0	0		0
	manhole	0	0	0	0	0	0		0
	Total					0	7416	cum	0
	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 [2nd Class Bricks and RR Masonary]. (Excluding GST)								
	2nd class room	2	2.88	0	0.93	5.36	0		0
	2nd class room	2	1.7	0	0.93	3.16	0		0
	At first class room	2	2.26	0	0.78	3.53	0		0
	At first class room	2	1.92	0	0.78	3	0		0
	At first class room	2	1.9	0	0.78	2.96	0		0
	At first class room	2	2.27	0	0.78	3.54	0		0
	At hand wash	2	1.42	0	1.75	4.97	0		0
	At hand wash	2	1.75	0	1.7	5.95	0		0
	Besides toilet	2	0.75	0	1.79	2.69	0		0

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Besides toilet	2	4.25	0	0.6	5.1	0		0
Besides toilet	2	0.23	0	0.6	0.28	0		0
Besides toilet	4	0.05	0	0.6	0.12	0		0
Besides toilet block compound walls	2	7.35	0	0.62	9.11	0		0
Compound wall	2	3	0	1.3	7.8	0		0
dumping yard pit external	2	2.1	0	1.07	4.49	0		0
dumping yard pit external	2	1.4	0	1.07	3	0		0
dumping yard pit internal	2	1.1	0	1.07	2.35	0		0
dumping yard pit internal	2	1.8	0	1.07	3.85	0		0
for brick walls around trees	0	0	0	0	0	0		0
for gate columns	0	0	0	0	0	0		0
For gate columns	4	0.3	0	2.25	2.7	0		0
For hand wash	1	3.45	0	0.75	2.59	0		0
For hand wash	1	0.5	0	0.75	0.38	0		0
Kitchen shed	2	3.5	0	0.7	4.9	0		0
Kitchen shed	2	3.1	0	1.6	9.92	0		0
Kitchen shed	2	3.5	0	0.9	6.3	0		0
paver block side walls	2	13.7	0	0.1	2.74	0		0
paver block side walls	1	13.7	0.23	0	3.15	0		0
paver block side walls	2	7.4	0	0.1	1.48	0		0
paver block side walls	1	7.4	0.23	0	1.7	0		0
paver block side walls	2	4.4	0	0.1	0.88	0		0
paver block side walls	1	4.4	0.23	0	1.01	0		0
paver block side walls	2	16.3	0	0.1	3.26	0		0
paver block side walls	1	16.3	0.23	0	3.75	0		0
paver block side walls	2	10	0	0.1	2	0		0
paver block side walls	1	10	0.23	0	2.3	0		0
paver block side walls	2	5.6	0	0.1	1.12	0		0
paver block side walls	1	5.6	0.23	0	1.29	0		0
paver block side walls	2	6.2	0	0.1	1.24	0		0
paver block side walls	1	6.2	0.23	0	1.43	0		0

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	paver block side walls	2	6.2	0	0.1	1.24	0		0
	paver block side walls	1	6.2	0.23	0	1.43	0		0
	paver block sides walls	1	19	0.23	0	4.37	0		0
	paver block wall sides	2	11.3	0	0.1	2.26	0		0
	paver block wall sides	1	11.3	0.23	0	2.6	0		0
	paver block wall sides	2	19	0	0.1	3.8	0		0
	Tree Gaurds	1	8.48	1	0	8.48	0		0
	Total					149.58	319.16	sqm	47,740
Providing Impervious coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with 1kg of water proof compound per bag of cement laid over roof when it is green including cost and conveyance of all materials all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc., complete for finished item of work. (Excluding GST)									
	deduct dummy columns	4	0.23	0.3	0	-0.28	0		0
	deduct dummy columns	3	0.23	0.23	0	-0.16	0		0
	FF In Two storeyed building	1	9.4	7.4	0	69.56	0		0
	FF in two storeyed building	1	2.6	2.9	0	7.54	0		0
	Total					76.66	341.35	sqm	26,168
Supplying, fitting and placing MS griled 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 2 nd class room grileed doors	50	0	0	0	50	0		0
	for gate back side	124.78	0	0	0	124.78	0		0
	for gate in front sides	290	0	0	0	290	0		0
	for granite hand wash door	40	0	0	0	40	0		0
	for kitchen shed door	78.67	0	0	0	78.67	0		0
	for second class room grills	150	0	0	0	150	0		0
	for windows at two storeyed building in GF	183.6	0	0	0	183.6	0		0
	Total					917.05	70.08	Kgs	64,267

మన బడి నాడు-నేడు

	Flooring with polished black Kadapa stones of 15 mm thick set over base coat of CM (1:8) over already laid CC bed/ RCC Roof slab, including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm and jointed with neat cement to full depth including cost of all materials like cement, sand and water and flooring stones etc., complete including labour charges for dressing of flooring stones etc., complete for finished item of work. (Excluding GST)								
	for septic tank partition walls	0	0	0	0	0	0		0
	Total					0	731.76	sqm	0
	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)								
	1st class room inside	1	9.1	4.8	0	43.68	0		0
	1st class room inside skirting	1	25.4	0	0.1	2.54	0		0
	1st class room varandah	1	9.6	2.59	0	24.86	0		0
	1st class room varandah skirting	1	32	0	0.1	3.2	0		0
	deduct varandah columns	2	0.37	0.37	0	-0.27	0		0
	deduct varandah columns	3	0.27	0.42	0	-0.34	0		0
	for hand wash	1	3.68	0.55	0	2.02	0		0
	for hand wash	1	3.68	0.8	0	2.94	0		0
	for hand wash	1	0.5	0.8	0	0.4	0		0
	for RBK	1	9.05	3.6	0	32.58	0		0
	for RBK skirting	1	25.3	0	0.1	2.53	0		0
	Total					114.14	2087.37	sqm	2,38,252
	RCM facia 50mm thick in CM(1:3) for drop walls, fins with rabbit wire mesh & nomianl reinforcement as directred by Engineer-in-charge with dubara sponge finishing, including cost and conveyance of all materials to site, operational & incidental, cost and conveyance of cement, wire mesh, water to work site, centering, scaffolding and form work, lift charges etc., complete for finished item of work but excluding cost of steel and its fabrication charges for finished item of work[RCM facia 50mm thick in CM(1:3) for drop walls in First Floor] (Excluding GST)								
	for FF in Two storeyed Building	1	8.65	0.5	0	4.33	0		0
	Total					4.33	1906.68	sqm	8,256

మన బడి నాడు-నేడు

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, moistened and where necessary treated with neat grey cement slurry of honey like consistency spread at 3.3 kgs of cement for 1 sqm. and jointed with neat cement paste to full depth, including cost and conveyance of all materials like cement, sand, water, flooring stones etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as dressing of flooring stones to the required sizes, mixing of cement mortar, laying, jointing, curing, lift charges etc., complete for finished item of work. (Excluding GST)									
back wide to temple	1	6.4	1.5	0	9.6	0			0
besides panchayat office	1	12.2	1.5	0	18.3	0			0
left hand side to kitchen	1	3.3	1.55	0	5.12	0			0
oppo to kitchen	1	4.4	3.27	0	14.39	0			0
opposite to stage	1	5.7	1.5	0	8.55	0			0
paver blocks	1	4.9	1.38	0	6.76	0			0
paver blocks	1	9.48	1.15	0	10.9	0			0
paver blocks	1	3.7	0.95	0	3.52	0			0
paver blocks	1	8.15	1.98	0	16.14	0			0
paver blocks	1	10.87	1.27	0	13.8	0			0
paver blocks	1	7.1	0.85	0	6.03	0			0
paver blocks	1	6.8	1.6	0	10.88	0			0
Total					123.99	777.69	sqm		96,426
Supplying and fixing of High polished Granite 16 to 18 mm thick up to 8 00 (2.43M) black and regular colour in Single piece with the edges flat nosed and set over a base coat of CM (1:3), 12mm thick, and fixing in position with neat cement paste including cost and conveyance of all materials like cement, sand, water, stones etc. to site, sales and other taxes on all materials, all operational, incidental and labour charges such as dressing of stones to the required sizes, mixing of cement mortar, fixing in position, curing, lift charges etc., complete for finished item of work for Treads of 0.30 Mt wide (Excluding GST)									
2nd class room	1	7.3	0.3	0	2.19	0			0
2nd class room	1	4.75	0.25	0	1.19	0			0
2nd class room	1	2.6	0.3	0	0.78	0			0
for two storeyed building	22	0.97	0.3	0	6.4	0			0
mid landing	1	2.25	0.9	0	2.02	0			0
Total					12.58	1820.2	sqm		22,898

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Supplying and fixing of High polished Granite 16 to 18 mm thick up to 8 00 (2.43M) black and regular colour in Single piece with the edges flat nosed and set over a base coat of CM (1:3), 12mm thick, and fixing in position with neat cement paste including cost and conveyance of all materials like cement, sand, water, stones etc. to site, sales and other taxes on all materials, all operational, incidental and labour charges such as dressing of stones to the required sizes, mixing of cement mortar, fixing in position, curing, lift charges etc., complete for finished item of work for Raisers of 0.15 Meters height (Excluding GST)									
2nd class room	2	2.6	0	0.15	0.78	0			0
2nd class room	1	7.3	0	0.18	1.31	0			0
stage	1	3.8	0	0.4	1.52	0			0
two storeyed building	21	0.97	0	0.15	3.06	0			0
Total					6.67	1830.43	sqm		12,209
Plain Cement Concrete (1:5:10) M5 grade using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work for Dummy Columns (Excluding GST)									
for dummy columns over FF in big building	3	0.23	0.23	0.3	0.05	0			0
for dummy columns over roof	4	0.23	0.3	0.5	0.14	0			0
Total					0.19	5230.36	cum		994
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 (Excluding GST)									
around cistern & Sump	1	3	2.99	0.15	1.35	0			0
deduct dw cistern	1	1.15	1.15	0.15	-0.2	0			0
Dumping yard pit	1	2.4	1.5	0.1	0.36	0			0
Total					1.51	5481	cum		8,276
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)									

మన బడి నాడు-నేడు

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)									
for class room (RBK Now)	2	9.6	2.94	0	56.45	0			0
for kitchen shed	1	3.45	4.15	0	14.32	0			0
Total					70.77	466.91	sqm		33,043
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)									
for frames	0	0	0	0	0	0			0
for purlins	0	0	0	0	0	0			0
Total					0	428.4	rmt		0
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)									
for kitchen shed Door	0	0	0	0	0	0			0
for windows of two storeyed building	0	0	0	0	0	0			0
Total					0	118.8	kgs		0
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 septic tank	0	0	0	0	0	0			0
Total					0	267.54	cum		0
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)									
around toilet blocks	1	7.48	0.88	0.05	0.33	0			0
around toilet blocks	1	4.5	0.75	0.05	0.17	0			0
around toilet blocks	1	2.7	0.93	0.05	0.13	0			0
around toilet blocks	1	4.4	1	0.05	0.22	0			0
around toilet blocks	1	2.5	0.88	0.05	0.11	0			0
around toilet blocks	1	5.45	0.85	0.05	0.23	0			0

మన బడి నాడు-నేడు

at 1 st class room varandah	1	9.6	2.59	0.15	3.73	0		0
at 1st class room	1	9.1	4.8	0.15	6.55	0		0
at panchayat office	1	9	4.9	0.05	2.21	0		0
at RBK	1	9.05	3.6	0.15	4.89	0		0
drinking water deduction	1	1.3	1.3	0.05	-0.08	0		0
dumping yard pit	1	2.4	1.5	0.05	0.18	0		0
opposite 1st class	1	8.1	0.8	0.05	0.32	0		0
opposite 2nd class	1	3.8	0.85	0.05	0.16	0		0
opposite to 1st class	1	4.8	0.8	0.05	0.19	0		0
opposite to 1st class	1	3.68	0.8	0.05	0.15	0		0
opposite to 2 nd class	1	2.18	0.8	0.05	0.09	0		0
opposite to 2nd class	1	1.79	0.8	0.05	0.07	0		0
opposite to 2nd class	1	3.7	2.2	0.1	0.81	0		0
pave blocks walls	1	19	0.3	0.05	0.29	0		0
paver block walls	1	7.4	0.3	0.05	0.11	0		0
paver block walls	1	4.4	0.3	0.05	0.07	0		0
paver block walls	1	16.3	0.3	0.05	0.24	0		0
paver block walls	1	10	0.3	0.05	0.15	0		0
paver block walls	1	5.6	0.3	0.05	0.08	0		0
paver block walls	1	6.2	0.3	0.05	0.09	0		0
paver blocks path ways side walls	1	11.3	0.3	0.05	0.17	0		0
paver blockwalls	1	13.7	0.3	0.05	0.21	0		0
paver blocxk walls	1	6.2	0.3	0.05	0.09	0		0
sump deduction	1	2.45	2.79	0.05	-0.34	0		0
tree gaurds	1	0.47	1	1	0.47	0		0
Total					22.09	3363.85	cum	74,307
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	85477.47	PERCENT AGE	85,477

మన బడి నాడు-నేడు

Work Code	: 201920037056	Name of the Work	: Construction of Toilet with Running Water
Administrative Sanction No	: Proc.No: 2823020107 / MBNN / 2020-2021	Technical Sanctioned	: /21-22 No
Estimate Amount (in Rs.)	: 2,67,200/-	Work MBook Amount	: 2,91,857/- (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)								
	east west & internal walls	3	2.7	0.6	0.18	0.87	0		0
	south side wall	1	5.78	0.6	0.3	1.04	0		0
	Total					1.91	267.54	cum	511
	Earth work excavation and depositing on bank with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work including seignorage charges excluding dewatering charges etc., complete for Foundation of Building.(APSS No. 308) (Excluding GST)								
	septic tank	1	3	1.8	1.35	7.29	0		0
	Total					7.29	152.88	cum	1,115
	Earth work excavation for foundations for buildings in hard rock (requiring blasting) and depositing on bank for all lifts and with an initial lead of 10m and up to 3m depth including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308) (Excluding GST)								
	south side wall	0	0	0	0	0	0		0
	Total					0	662.08	cum	0
	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)								

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	for RR massonary in east,west and internal	3	2.7	0.6	0.15	0.73	0		0
	for RR massonary in north and south sides	2	5.78	0.6	0.15	1.04	0		0
	in boys and girls toilet	2	2.27	2.99	0.1	1.36	0		0
	Total					3.13	3363.85	cum	10,529
	Filling with useful available excavated earth (excluding rock) in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work.[Earth filling (Ordinary soil)] (Excluding GST)								
	deduct RR massonary	0	0	0	0	-1.94	0		0
	total excavated earth	0	0	0	0	9.18	0		0
	Total					7.24	29.54	cum	214
	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)								
	east,west and internal walls	3	2.7	0.45	0.23	0.84	0		0
	north side	1	5.55	0.45	0.15	0.37	0		0
	south side	1	5.55	0.45	0.3	0.75	0		0
	Total					1.96	3330.42	cum	6,528
	Gravel Filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work. (Excluding GST)								
	in boys and girls toilets	2	2.27	2.99	0.3	4.07	0		0
	Total					4.07	378.5	cum	1,540
	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,west and internal plinth beams	3	3.08	0.23	0.23	0.49	0		0
	north and south plinth beams	2	5.38	0.23	0.23	0.57	0		0

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	Total					1.06	8662.74	cum	9,183
	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)								
	septic tank slab	1	2.6	1.4	0.1	0.36	0		0
	toilet slab	1	5.95	4.14	0.12	2.96	0		0
	Total					3.32	7647.65	cum	25,390
	Providing Impervious coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with 1kg of water proof compound per bag of cement laid over roof when it is green including cost and conveyance of all materials all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc., complete for finished item of work. (Excluding GST)								
	toilet block	1	5.95	4.14	0	24.63	0		0
	Total					24.63	341.35	sqm	8,407
	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)								
	deduct doors	2	0.9	0.23	2.15	-0.89	0		0
	deduct ventilators	2	0.9	0.23	0.33	-0.14	0		0
	deduct ventilators	2	0.6	0.23	0.6	-0.17	0		0
	internal walls in girls and boys toilets	2	0.77	0.1	1.9	0.29	0		0
	internal walls in girls and boys toilets	2	1.08	0.1	1.9	0.41	0		0
	septic tank east and west side walls	2	2.6	0.23	1.2	1.44	0		0
	septic tank north and south walls	2	0.94	0.23	1.2	0.52	0		0
	toilet block external wall	3	3.02	0.23	2.42	5.04	0		0
	toilet block external wall	2	5.38	0.23	2.42	5.99	0		0
	Total					12.49	5180.09	cum	64,699
	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 [2nd Class Bricks and RR Masonary]. (Excluding GST)								

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	deduct doors	1	0.9	0	2.15	-1.94	0		0
	deduct ventilators	1	0.9	0	0.33	-0.3	0		0
	deduct ventilators	1	0.6	0	0.6	-0.36	0		0
	east and west sides	2	3.5	0	2.42	16.94	0		0
	north and south sides	2	5.38	0	2.42	26.04	0		0
	Total					40.38	319.16	sqm	12,888
	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)								
	boys toilets north and south sides	2	2.3	0	2.3	10.58	0		0
	boys toilets east and west sides	2	3.02	0	2.3	13.89	0		0
	deduct doors	1	0.9	0	2.1	-1.89	0		0
	deduct junctions	4	0.14	0	1.9	-1.06	0		0
	deduct ventilators	1	0.9	0	0.33	-0.3	0		0
	deduct ventilators	1	0.6	0	0.6	-0.36	0		0
	girls toilet north and south sides	2	2.3	0	2.3	10.58	0		0
	girls toilets east and west sides	2	3.02	0	2.3	13.89	0		0
	in boys and girls toilet partition walls	4	0.77	0	1.9	5.85	0		0
	in boys and girls toilets partition walls	4	1.08	0	1.9	8.21	0		0
	septic tank inside plastering for east west walls	2	0.94	0	1.2	2.26	0		0
	septic tank internal plastering north and south walls	2	2.6	0	1.2	6.24	0		0
	Total					67.89	113.05	sqm	7,675
	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)								

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	both boys and girls toilet	2	2.27	2.99	0	13.57	0		0
	deduct OWC	2	0.4	0.55	0	-0.44	0		0
	Total					13.13	719.97	sqm	9,453
	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)								
	boys toilet	1	1.83	0	1.5	2.75	0		0
	boys toilet	1	1.06	0	1.5	1.59	0		0
	boys toilet	1	1.08	0	1.5	1.62	0		0
	boys toilet	1	0.31	0	1.5	0.46	0		0
	boys toilet	1	0.79	0	1.5	1.19	0		0
	boys toilet	1	0.3	0	1.5	0.45	0		0
	boys toilet	1	1.07	0	1.5	1.6	0		0
	boys toilet	1	1.04	0	1.5	1.56	0		0
	boys toilet	1	2.99	0	1.5	4.49	0		0
	boys toilet	1	2.27	0	1.5	3.41	0		0
	boys toilet	1	0.23	0	1.5	0.35	0		0
	girls toilet	1	2.27	0	1.5	3.41	0		0
	girls toilet	1	2.99	0	1.5	4.49	0		0
	girls toilet	1	1.04	0	1.5	1.56	0		0
	girls toilet	1	1.07	0	1.5	1.6	0		0
	girls toilet	1	0.31	0	1.5	0.46	0		0
	girls toilet	1	0.78	0	1.5	1.17	0		0
	girls toilet	1	0.3	0	1.5	0.45	0		0
	girls toilet	1	1.05	0	1.5	1.58	0		0
	girls toilet	1	1.04	0	1.5	1.56	0		0
	girls toilet	1	1.82	0	1.5	0	0		0
	Total					35.75	562.61	sqm	20,113
	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 of boys and girls toilets	90	0	0	0	90	0		0
	for urinal doors at toilet block	45	0	0	0	45	0		0
	for ventilator1	60	0	0	0	60	0		0
	for ventilator2	50	0	0	0	50	0		0
	Total					245	70.08	Kgs	17,170
	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)								
	Doors for Toilets	0	0	0	0	0	0		0
	Total					0	3030	sqm	0
	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)								
	8mm & 10mm HYSD bars	254.1	0	0	0	254.1	0		0
	Total					254.1	48.41	Kgs	12,301
	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)								
	from toilet block to septic tank	1	61.75	0	0	61.75	0		0
	Total					61.75	169.13	rmt	10,444
	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[28.60 mm dia CPVC SDR 13.50]. (Excluding GST)								
	from OHSR to toilet block	1	18.95	0	0	18.95	0		0
	in boys toilet	1	8.4	0	0	8.4	0		0
	in girls toilet	1	8.4	0	0	8.4	0		0
	Total					35.75	123	rmt	4,397
	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)								
	for boys toilet	1	0	0	0	1	0		0

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	for girls toilet	1	0	0	0	1	0		0
	Total					2	351.76	Nos	704
	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)								
	cpvc 28mm gate valve	1	0	0	0	1	0		0
	Total					1	207	Nos	207
	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)								
	Vrcc For Slab1	0	0	0	0	0	0		0
	Total					0	7416	cum	0
	Labour charges only for fixing European Water Closet with P or S trap as per standard practice (BMW- D.15) (Excluding GST)								
	Labour Charges For Fixing of EWC	2	0	0	0	2	0		0
	Total					2	264	Nos	528
	Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete (BMW- D.36) (Excluding GST)								
	Labour Chargesfor fixing of Urinal Bowls	4	0	0	0	4	0		0
	Total					4	127	Nos	508
	Labour charges only for fixing Indian makeFlat 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)								
	Labour ForFixing Charges	2	0	0	0	2	0		0
	Total					2	319	Nos	638
	(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 & 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)								
	for boys toilet	1	0	0	0	1	0		0

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	for girls toilet	1	0	0	0	1	0		0
	Total					2	7600	Nos	15,200
	(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 & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	for boys toilet	1	0	0	0	1	0		0
	for girls toilet	1	0	0	0	1	0		0
	Total					2	1336.05	Nos	2,672
	(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 & stacking etc., to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	urinals larger size	2	0	0	0	2	0		0
	Total					2	712.72	Nos	1,425
	(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)								
	smaller urinals size	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)								
	for boys toilet	1	0	0	0	1	0		0
	for girls toilet	1	0	0	0	1	0		0
	Total					2	1478.17	Nos	2,956

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	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 (Excluding GST)								
	in boys and girls toilets	2	2.27	2.99	0.1	1.36	0		0
	septic tank bottom	1	2.9	1.7	0.15	0.74	0		0
	Total					2.1	5481	cum	11,510
	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	28398.14	PERCENT AGE	28,398

Work Code : 201920038600

Name of the Work : Providing Electrification with Fans and Tube Lights

Administrative Sanction No : Proc.No: 2823020107 / MBNN / 2020-2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 3,02,807/-

Work MBook Amount : 1,50,477/- (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)								
	1st class room	1	14	0	0	14	0		0
	HM Room	1	12	0	0	12	0		0
	in class room 2	1	12	0	0	12	0		0
	in two storeyed building for GF room 2	1	12	0	0	12	0		0

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	in two storeyed building for GF room1	1	12	0	0	12	0		0
	in Two storeyed building for Room 3 in FF	1	12	0	0	12	0		0
	Total					74	71.44	mtr	5,287
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)									
	from main board to 1st class room	1	13	0	0	13	0		0
	from main board to HM Room	1	6.7	0	0	6.7	0		0
	from main board to kitchen	1	17	0	0	17	0		0
	from main board to room 2	1	14.4	0	0	14.4	0		0
	from main board to toilet blocks	1	16	0	0	16	0		0
	in in two storeyed building for FF room 1	1	12	0	0	12	0		0
	In two storeyed building for GF room 1	1	7.5	0	0	7.5	0		0
	in two storeyed building for GF room 2	1	15	0	0	15	0		0
	Total					101.6	18.62	mtr	1,892
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)									
	from main board to HM Room	1	6.7	0	0	6.7	0		0
	from main board to 1st class room	1	13	0	0	13	0		0
	from main board to kitchen	1	17	0	0	17	0		0
	from main board to room 2	1	14.4	0	0	14.4	0		0
	from main board to toilet blocks	1	16	0	0	16	0		0

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	in two storeyed building for FF room 1	1	12	0	0	12	0		0
	in Two storeyed building for GF room 2	1	15	0	0	15	0		0
	In Two storeyed building for GF room1	1	7.5	0	0	7.5	0		0
	Total					101.6	64.93 mtr		6,597
	Supply and run of 1 of 2.5 sq.mm (phase neutral and earth) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable in existing MS conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards. (Excluding GST)								
	From TPN to SB	0	0	0	0	0	0		0
	Total					0	32.52 rmt		0
	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)								
	1.fan ponits in 1 st class room	4	0	0	0	4	0		0
	2. fan points in 2nd class room varandah	2	0	0	0	2	0		0
	fan point in two storeyed building in FF room 1	4	0	0	0	4	0		0
	fan points in 3rd class room	4	0	0	0	4	0		0
	fan ponits in Two storeyed building in GF for 1 & 2 rooms	8	0	0	0	8	0		0
	fan ponts in 2nd class room	4	0	0	0	4	0		0
	fan ponts in 3rd class room varandah	2	0	0	0	2	0		0
	for street lights	6	0	0	0	6	0		0
	lighht points in 3rd class room	4	0	0	0	4	0		0
	light point in Two storeyed building GF varandah	1	0	0	0	1	0		0

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	light points in 2nd class room	4	0	0	0	4	0		0
	light points in 2nd class room varandah	2	0	0	0	2	0		0
	light points in 1 st class room	4	0	0	0	4	0		0
	light points in Two storeyed building FF Room 1	4	0	0	0	4	0		0
	light points in Two storeyed building FF varandah	1	0	0	0	1	0		0
	light points in Two storeyed building GF for 1 & 2 Rooms	8	0	0	0	8	0		0
	lights points in 1st class room varandah	2	0	0	0	2	0		0
	Total					64	611.17	Nos	39,115
	Supply and fixing of 6A/10A modular 3 pin socket with 6A modular switch with 3 moular 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)								
	1st class room	9	0	0	0	9	0		0
	2nd class room	5	0	0	0	5	0		0
	3rd class room	3	0	0	0	3	0		0
	kitchen shed	3	0	0	0	3	0		0
	new toilet blocks	1	0	0	0	1	0		0
	two storeyed building in FF	3	0	0	0	3	0		0
	two storeyed building in GF 1 & 2 Rooms	6	0	0	0	6	0		0
	Total					30	284.35	Nos	8,531
	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)								
	16A 3 Pin Socket	0	0	0	0	0	0		0
	Total					0	434.34	Nos	0
	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)								

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	20A 3 Pin Socket	0	0	0	0	0	0		0
	Total					0	439.35	Nos	0
	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)								
	1st class room	4	0	0	0	4	0		0
	1st class room varandah	2	0	0	0	2	0		0
	2nd class room	4	0	0	0	4	0		0
	2nd class room varandah	1	0	0	0	1	0		0
	3rd class room	4	0	0	0	4	0		0
	for street lights	6	0	0	0	6	0		0
	Two storeyed Building FF room	4	0	0	0	4	0		0
	Two Storeyed building FF varandah	1	0	0	0	1	0		0
	Two storeyed building GF Rooms 1 & 2	8	0	0	0	8	0		0
	Two storeyed building GF varandah	1	0	0	0	1	0		0
	Total					35	867.5	Nos	30,363
	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)								
	LED Street light Luminaire	0	0	0	0	0	0		0
	Total					0	5900	Nos	0
	Supply and fixing of1 Module Modular type Electronic step type Fan Regulator. in the existing switch board. (Excluding GST)								
	Fan Regulator	0	0	0	0	0	0		0
	Total					0	365	Nos	0
	Labour charges for fixing of ceiling fan and regulator including transportation and giving connections with twin core wire etc., complete. (Excluding GST)								
	no of fans	27	0	0	0	27	0		0
	Total					27	138.88	Nos	3,750

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	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)								
	DB Box in Kitchen Shed	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)								
	DB Box	1	0	0	0	1	0		0
	Total					1	4107.07	Nos	4,107
	(Crompton greaves) Ceiling Fans- Supply & 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)								
	fans for class rooms	27	0	0	0	27	0		0
	Total					27	1440	Nos	38,880
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	11956.79	PERCENT AGE	11,957

Work Code : 201920038932

Name of the Work : Drinking Water Supply

Administrative Sanction No : Proc.No: 2823020107 / MBNN / 2020-2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 2,65,636/-

Work MBook Amount : 2,09,651/- (in Rs.)

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

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	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 Cistern Foundation	1	1.15	1.15	0.65	0.86	0		0
	from hand wash 1 to cistern & sump to hand wash	0	0	0	0	0	0		0
	Hand Wash Platform	0	0	0	0	0	0		0
	Supm tank	1	3.15	2.85	2.25	20.2	0		0
	trench from 6 th class room to new toilet blocks	0	0	0	0	0	0		0
	Total					21.06	267.54	cum	5,634
	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 Cistern Foundation	1	1.15	1.15	0.1	0.13	0		0
	for sump	1	3.15	2.85	0.1	0.9	0		0
	Hand Wash Platform	1	4.2	0.35	0.1	0.15	0		0
	Total					1.18	3363.85	cum	3,969
	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)								
	man hole fo r sump	1	0.6	0.6	0.08	-0.03	0		0
	Sump Tiop slab	1	2.75	2.45	0.08	0.54	0		0
	Total					0.51	7416	cum	3,782
	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)								
	for columns, stirrups and tank slabs	143	0	0	0	143	0		0
	Total					143	48.41	Kgs	6,923

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	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[28.60 mm dia CPVC SDR 13.50]. (Excluding GST)								
	Cleaning outlet from OHSR	0	0	0	0	0	0		0
	Drain pipe for ohsr	2	0.4	0	0	0.8	0		0
	From granite hand wash to 2nd class room tap	1	4.7	0	0	4.7	0		0
	From OHSR to cistern	1	31.8	0	0	31.8	0		0
	From OHSR to Ro room	1	8.8	0	0	8.8	0		0
	From sump to ohsr	1	23.4	0	0	23.4	0		0
	From To room to granite hand wash	1	5.5	0	0	5.5	0		0
	Hand wash 2 to out side tap	0	0	0	0	0	0		0
	OHSR To hand wash 1	0	0	0	0	0	0		0
	OHSR to New Toilet blocks	0	0	0	0	0	0		0
	OHSR to RO	0	0	0	0	0	0		0
	RO to hand wash 2	0	0	0	0	0	0		0
	Sump to OHSR	0	0	0	0	0	0		0
	Total					75	123	rmt	9,225
	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 requisite 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
	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)								

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	Base concrete for existing slab for OHSR	1	0.48	0.48	0.7	0.16	0		0
	Total					0.16	6670.73	cum	1,067
	Brick masonry in CM (1:6) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Basement. (Excluding GST)								
	brick work above slab of cistern	2	2.7	0.23	2.35	2.92	0		0
	Brick work for cistern	2	1.95	0.23	2.35	2.11	0		0
	brick work for sump	2	1.54	0.23	1	0.71	0		0
	For above slab	4	1.1	0.23	0.35	0.35	0		0
	For above slab	4	0.64	0.23	0.35	0.21	0		0
	hand wash brick work	1	1.54	0.23	1	0.35	0		0
	Long Walls	2	2	0.23	1	0.92	0		0
	short walls	4	1.1	0.23	0.55	0.56	0		0
	work opfr sump	4	0.64	0.23	0.55	0.32	0		0
	Total					8.45	4837.61	cum	40,878
	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)								
	center column	0	0	0	0	0	0		0
	columns	0	0	0	0.45	0	0		0
	for dome plastering	0	0	1	0	0	0		0
	for slab side partion walls	0	7.8	0.9	0	0	0		0
	for sump inner walls	2	2.24	2.43	2.35	10.53	0		0
	for sump inner walls	2	1.95	0	2.35	9.17	0		0
	for the walls above slab of cistern	0	0	0.45	0	0	0		0
	outer plaastering for cistern	0	0	1	0	0	0		0
	Tank inside walls	3	1.54	0	1	4.62	0		0
	Tank Side walls	2	1.3	0	1	2.6	0		0
	Total					26.92	311.13	sqm	8,376

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	RCM facia 50mm thick in CM(1:3) for drop walls, fins with rabbit wire mesh & nominal reinforcement as directed by Engineer-in-charge with dubara sponge finishing, including cost and conveyance of all materials to site, operational & incidental, cost and conveyance of cement, wire mesh, water to work site, centering, scaffolding and form work, lift charges etc., complete for finished item of work but excluding cost of steel and its fabrication charges for finished item of work (Excluding GST)								
	For cistern	4	1.9	0	0.18	1.37	0		0
	Total					1.37	1763.94	sqm	2,417
	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)								
	For cistern	2	1.6	0	0.48	1.54	0		0
	For cistern	2	1.14	0	0.48	1.09	0		0
	For cistern	4	1.14	0.38	0	1.73	0		0
	For cistern	2	1.14	0	1.14	2.6	0		0
	For cistern	4	1.14	0.55	0	2.51	0		0
	for the cistern	4	1.94	0	0.26	2.02	0		0
	Total					11.49	562.61	sqm	6,464
	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	18	0	0	0	0	0		0
	Total					0	351.76	Nos	0
	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)								
	CPVC BALL VALVES	2	0	0	0	2	0		0
	Total					2	207	Nos	414
	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)								
	cenetr column	1	0.45	0.45	0.55	0.11	0		0

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	Columns	4	0.23	0.23	0.45	0.1	0		0
	Total					0.21	8393.17	cum	1,763
	Providing Impervious coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with 1kg of water proof compound per bag of cement laid over roof when it is green including cost and conveyance of all materials all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc., complete for finished item of work.[Providing Impervious coat in First Floor] (Excluding GST)								
	Deductions	1	0.6	0.6	0	-0.36	0		0
	for sump top slab	1	2.75	2.45	0	6.74	0		0
	manhole	1	0.6	0.6	0	-0.36	0		0
	OHSR Roof slab	1	2	2	0	4	0		0
	Total					10.02	367.27	sqm	3,680
	Gravel Filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work. (Excluding GST)								
	from 6 th class room to new toilet blocks pipe line	1	6.1	0.3	0.3	0.55	0		0
	Hand wash 1 to cistern & sump to hand wash	1	6.8	0.3	0.3	0.61	0		0
	in cistern in below the slab & above slab	1	0.54	0.54	1.5	0.44	0		0
	Total					1.6	378.5	cum	606
	RCM facia 50mm thick in CM(1:3) for drop walls, fins with rabbit wire mesh & nominal reinforcement as directed by Engineer-in-charge with dubara sponge finishing, including cost and conveyance of all materials to site, operational & incidental, cost and conveyance of cement, wire mesh, water to work site, centering, scaffolding and form work, lift charges etc., complete for finished item of work but excluding cost of steel and its fabrication charges for finished item of work[RCM facia 50mm thick in CM(1:3) for drop walls in First Floor] (Excluding GST)								
	For cistern	0	0	0	0	0	0		0
	Total					0	1906.68	sqm	0
	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)								
	from sump motor to panel board	1	15	0	0	15	0		0
	Total					15	64.93	mtr	974

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	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)								
	for Clstern Slab	1	2	2	0.1	0.4	0		0
	man hole	0	0	0	0	0	0		0
	Manhole	1	0.6	0.6	0.06	-0.02	0		0
	Tank bottom Slab	1	1.9	1.9	0.1	0.36	0		0
	top slab	1	2	2	0.06	0.24	0		0
	Total					0.98	8082	cum	7,920
	Reinforced Brick Masonry 11.5cm (4 1/2) thick for partition walls in CM (1:4) prop: using second class bricks from approved source having minimum crushing strength of 40 Kg/Sqcm. and placing 2nos. of 6mm dia MS bars embedded in every 3rd layer with free ends of reinforcement keyed into mortar joints of the main brick work wherever applicable including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing cement mortar, constructing masonry, scaffolding charges, lift charges, curing, etc., but excluding cost and conveyance of steel and its fabrication charges complete for finished item of work (Excluding GST)								
	for cistern	0	0	0	0	0	0		0
	Total					0	934.99	sqm	0
	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 (Excluding GST)								
	for dome of cistern	0	0	0	0	0	0		0
	for sump	1	3.15	2.85	0.1	0.9	0		0
	Total					0.9	5481	cum	4,933
	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)								
	1	2	1.1	0.3	0.6	0.4	0		0
	2	2	0.5	0.3	0.6	0.18	0		0
	Total					0.58	3330.42	cum	1,932

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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 [2nd Class Bricks and RR Masonary]. (Excluding GST)									
For cistern	4	1.1	0	0.55	2.42	0			0
For cistern	4	0.64	0	0.55	1.41	0			0
For cistern	4	1.1	0	0.35	1.54	0			0
For cistern	4	0.64	0	0.35	0.9	0			0
For ohsr	2	2.15	0	1	4.3	0			0
For ohsr	2	2.15	0	1	4.3	0			0
Total					14.87	319.16	sqm		4,746
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)									
from new toilet blocks to septic tank	0	0	0	0	0	0			0
From waste water collection tank to out side pond	0	0	0	0	0	0			0
Total					0	169.13	rmt		0
Supply & Fixing of 22 dia RCC Cover for manhole with nominal reinforcement 3 thick with hooks for lifting including cost and conveyance of all materials, labour charges etc., complete for finished item of work (Excluding GST)									
0.45 x 0.45 RCC Cover	1	0	0	0	1	0			0
Total					1	633	Nos		633
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)									
open air vent for waste water tank	0	0	0	0	0	0			0
Total					0	141.49	rmt		0

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(Innovative Aqua Systems Pvt Ltd) Drinking water Supply System Type-III - A)DRINKING WATER SYSTEM FOR SCHOOLS WITH TDS REDUCTION REQUIRED TO 150-400 PPM FROM SOURCE WATER HAVING TDS 400-3000 ppm: TYPE- III A)DRINKING WATER SYSTEM FOR SCHOOLS WITH TDS REDUCTION REQUIRED TO 150-400 PPM FROM SOURCE WATER HAVING TDS 400-3000 ppm: TYPE-III - Supplying and fixing of Drinking water system with the specifications detailed and the Cost includes manufacturer, transportation, Supply, Erection, Commissioning and Testing at the school premises, loading & unloading charges etc., 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. [1] Raw water tank: Dimensions: (as shown infigure), Capacity :500 Liters, Dia.of tank : 765mm, Height :1050mm, Diameter of Lid :500 mm (dia.)Embossing letters on Tank:Nadu -Nedu2020 (B)Specifications: The entire Tank and Lid shall be made with SS sheet of 304 grade (1.20mm) (C) Stand - Height: 550 mm, Ring of diameter 768mm made with SS tube of size 25mm x 25mm x 1.6mm thick of approved brand, 6 Nos of legs and with tie made of SS tube of size 25mm x 25mm x 1.6mm thick [2] Water Treatment unit with Ultra Violet System - Vessel / dual media of 255.00 mm dia. and 1370.00 mm height (i.e., 10 x 54) – make Pentair, Jumbo filter housing with 5/10 micron – make –PRATAM/MMP, UV system with 1000 LPH capacity with SS body 500 mm height – TDS Membrane filters-04(Green Membrane Technology with membrane pore size 0.001 microns) to bring water TDS levels 150-400 ppm for TDS 400 – 2000ppm feed water at an Average purification of 100-140 liters per hour ,based on feed water TDS by connecting the below given rated 4 Membranes in series in stages using residual water after diverting the purified water at every stage. The TDS membrane filters are : 400 gpd size 4012-50LPH or Equal, 320 gpd size 3012-40LPH or Equal 200 gpd size 2512-30 LPH or Equal, 100 gpd size 2112-15 LPH or Equal, and for TDS range 2000-3000 ppm Micron filter-1. All the above shall be mounted in SS framed stand (compact skid mounted) equipment made with 40mm size square SS pipe of 304 grade and fitted with SS pipe lines (SS 304 grade) with necessary fittings, with 5 years warranty, Ultrafine membrane (UFM-TDS) filter and booster pump to pump water to the UFM-TDS. with 5 yearswarranty, Centrifugal pump 0.5 HP with 5 years warranty, Booster pump 300 Gpd PUMP with 5 years warranty, Socket - 01No., Battery-12V-7ah[two (02) in number along with all Charging accessories] OR optimum rating., Pressure gauge, TDS meter, Treated WaterTank: [A]Dimension: (As shown in figure), Capacity : 300Liters, Shell diameter : 765mm, Height of shell : 650mm, Diameter of : 500 mm Lid (Topopening), Locking system :with Heavy SS, Top Lid Embossing letters on Tank: Nadu -Nedu2020 (B)Specifications : Tank with Lid shall be made with SS sheet of 304 grade with 1.20mm thickness (C)Stand: Height of stand : 1310mm, Stand shall be made with SS 304 grade tube of size 25mm x 25mm x 1.6mm thickness for the top in circular shape and SS tube 304 grade of size 25mm x 25mm x 1.6mm thickness 4 Nos. for legs of height 1310 mm and for stiffeners at middle and bottom [4] Water Dispenser (Size 3000mmx450mmx1200mm): [SS Sink], Government High Schools SS Water Dispenser of size 3000mm x450mm x 1200mmas shown in figure made with SS sheet of 1.0mm thick 304 grade and sink of size 245mm x 150mm x 430mm including 8 nos. of taps connected to foot pedestal of SS coated Gun metal push. Frame shall be made with 40mm x 40mm x 1.2mm thick size SS grade 304 square tubes and levers at bottom of frame for level adjustment. The equipment shall be made as per drawing shown infigure. (Including GST)

RO Plant	1	0	0	0	1	0		0
Total					1	70200	Nos	70,200
Differential Cost of Cement (Including GST)								
Differential Cost of Steel (Including GST)								

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	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	14941.23	PERCENT AGE	14,941

**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**