

మన బడి నాడు-నేడు

Measurement Book No : 28236002001001

District Name	:	CHITTOOR
Mandal Name	:	PEDDAPANJANI
Village Name	:	RAYALAPETA
Name of the Executing Agency	:	Panchayat Raj
Name of School	:	MPPS RAYALAPETA (TELUGU)
U-Dise Code	:	28236002001
Technical Sanctioned Amount	:	2447926
Admin Sanctioned Amount	:	2447926
Total Expenditure	:	2416226

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Abstract

U-Dise Code : 28236002001
Technical Sanctioned Amount : 2447926
Admin Sanctioned Amount : 2447926
Total Expenditure : 2416226
MBook Number : 28236002001001

Work Code	Work type name	Estimated Cost	Value of work done
201920012622	English Labs	40000	41439
201920013928	Green Chalk Board	51547	51495
201920017957	Furniture for Students and Staff	719422	688374
201920029722	Construction of Toilet with Running Water	507590	526345
201920030063	Providing Electrification with Fans and Tube Lights	184092	176390
201920030070	Drinking Water Supply	223628	199129
201920030072	Paintings to School	161827	156943
201920030090	Major and Minor Repairs	559820	576112
	Total	2447926	2416226

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 : 201920012622 **Name of the Work** : English Labs
Administrative Sanction No : Proc.No2823009176/MBNN/2020-2021 **Technical Sanctioned** : 109 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 : 201920013928 **Name of the Work** : Green Chalk Board
Administrative Sanction No : Proc.No2823009176/MBNN/2020-2021 **Technical Sanctioned** : 109 No
Estimate Amount (in Rs.) : 51,547/- **Work MBook Amount** : 51,495/- (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	5	0	0	0	5	0		0
	Total					5	10299	Nos	51,495

Work Code	: 201920017957	Name of the Work	: Furniture for Students and Staff
Administrative Sanction No	: Proc.No2823009176/MBNN/2020 -2021	Technical Sanctioned	: 109 No
Estimate Amount (in Rs.)	: 7,19,422/-	Work MBook Amount	: 6,88,374/- (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>(Methodex Systems Pvt. Ltd) Almirahs- Supply & Delivery of 4 Door Personal Locker Unit of size: 1830 x 550 x 450D mm, as shown in the drawing with the following specifications: The locker unit shall be made of MS CRCA steel (ESSAR / TATA / SAIL / JINDAL) as per IS 513 Part – 1 : 2016 of thickness 1.20 mm and door multi bend (box type) fitted with Hasp for individual to put their own locks. The unit shall be Multi bend construction fastener free, knock down construction aesthetic punched design at handle of door for better ventilation. Ergonomically designed Stainless Steel (SS) handles. label holder for easy identification. The locker shall be provided with 4 legs made with CRCA sheet of 1.60 mm thickness. The legs shall have aesthetic leveling screws for alignment. Height of the legs with leveling screws shall be 100mm. The components shall be anti corrosion treated, polyester power coated .The chemical composition, tensile properties, bend test, surface, flatness, hardness shall be as per IS 513:2016. The steel parts shall be finished with durable, electrostatic powder coating with average application of 60 – 90 microns thickness over all surfaces. Steel should undergo pre treatment process viz, degreasing, pickling, , zirconium base conversion coating etc for rust resistance and durability as per IS 3618 :1996. Epoxy polyester powder coating minimum 50 – 60 microns DFT (Dry film thickness) as per IS 13871 : 1993 with reference to IS 101. The rate shall be inclusive of transportation, labour charges, erection, installation at site (schools), GST and all taxes etc., as applicable from time to time The item shall carry a warranty period of 5 (Five) years from the date of supply. (Including GST)</p>									
almirah	1	0	0	0	1	0			0
Total					1	9400	Nos		9,400
<p>(Zenith Metaplasta Pvt. Ltd) Teacher Chairs- Supply, Delivery and Assembling at site, S Type Chairs with overall dimensions [W 580mm x D 575mm x H 900mm] with arms, and the frame shall be made of CR Tube 25.4mm, 2.00 mm thickness. Seat shall be of size (525 mm x 480 mm) and back of size (525 mm (W) x 410 mm (H)) with curve model. The seat and back of the chair shall be made of 18mm thick plywood (Tolerance as per IS 303 (1989) of MR Grade DSL (Double side laminated) and all edges shall be rounded. Make of Ply wood: Merino/Green ply/Century / kitply. Make of Laminate : Merino / Greenlam / ASIS / Century. The under structure assembly is a cantilever type frame made of CR Tube (make ESSAR / TATA / SAIL / JINDAL) diameter 25.4 cm and 2 mm thickness. Arms shall be with Poly Urethane, of 450mm length. Steel should undergo pre treatment process viz, degreasing, pickling, phosphating etc for rust resistance and durability as per IS std 3618 1996. Epoxy polyester powder coating plain grey colour as per IS 101-1-5(1989). Necessary details are shown in figure below. The total cost of unit shall include cost of all materials, manufacture, transportation, assembling at site including loading, unloading and assembling charges at different floor levels of the building, including GST, all other taxes and charges for complete finished chair. The item shall carry a warranty period of 5 Years (60 months) from the date of supply. (Including GST)</p>									
teacher chairs	0	0	0	0	0	0			0
Total					0	2940.01	Nos		0

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(Zenith Metaplasta Pvt. Ltd) Supply, delivery and assembling at site Tables for Classrooms as shown in the drawing with the following specifications: The overall dimension should be 900 mm x 590 mm x 740 mm. The table top has to be made of 18 mm thick MR Grade Plywood OSL (Top side laminated and bottom side shall have balancing laminate) with 2mm matching PVC edge band and post forming edge at two - 900mm sides. The under structure should have an all-round supporting Frame made of Cold Rolled Cold Annealed (CRCA) MS sheet of 0.9 mm thick (ESSAR / TATA / SAIL / JINDAL) confirming to IS 513(2008) supporting the table top. The legs of vertical frames made of square tube of size 30mm x 30mm x 1.2mm thick to be connected at bottom using MS ERW Square Tube of size 25.4mm, 25.4mm x 1.2mm thick. Both the vertical leg assemblies to be connected with a cross member made of MS ERW square tube of size 25.4mm x 25.4mm x 1.2mm thick. Connector pipe made of MS ERW square tube 20mm x 20mm x 1mm of 75mm length with M6 threading to be welded at bottom pipe for cross member connecting. Upper modesty panel and Lower modesty panel shall be 600mm from top of the table made with 0.8 mm thick CRCA MS sheet. Stiffeners made of MS ERW square tube of size 20mm x 20mm x 1mm thick to be provided at bottom on both the Modesty panels. The upper modesty should have embossing of diameter 5.2 mm as Nadu-Nedu : 2020. The lower modesty panel should have perforation of square 9mm. Table shall have an open shelf made with 0.80mm thick CRCA MS sheet. The size of storage shall be 690mm x 440mm x 125mm height. The bottom panel of the shelf shall have T-hat section though out the length at front and back as shown in the drawing. Steel used should undergo pre treatment process viz, degreasing, pickling, phosphating etc., for rust resistance and durability. The steel parts shall be finished with a durable electrostatic powder coating with average application of 60 – 90 Microns thickness overall surface. Make of Ply wood : Merino/Green ply/Century/kitply. Make of Laminate & balancer: Merino/ Greenlam/ ASIS/ Century. Epoxy polyester powder coating DFT(Dry Film Thickness) of 60 – 90 microns. as per IS101-1-5(1989). Necessary details are shown in figure below. The total cost of Unit shall include cost of all materials, manufacture, transportation to site, assembling at site including loading, unloading and assembling charges at different floor levels of the building, including GST all other taxes and charges etc., for complete finished table. Raw materials of steel tubes / MS tubes shall be set specifications from (ESSAR / TATA / SAIL / JINDAL brands only). The item shall carry a warranty period of 5 Years (60 months) from the date of completion of supply. (Including GST)

teacher tables	0	0	0	0	0	0		0
Total					0	3125.92	Nos	0

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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)

desks	60	0	0	0	60	0		0
Total					60	6768.38	Nos	4,06,103

(Zenith Metaplast Pvt Ltd) Dual Desk Type-II (Class III to V) Supply & Placing Dual desk for class III to V ; TYPE-II (A)

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(Color Parrot Green, 251 of Greenlam or Equivqlent or any other colours decided by the Govt.) 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. 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 Green guard 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 (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 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 125mm. (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.(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. 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. item shall carry a warranty period of 5 (Five) years from the date of supply (Including GST)

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	desks	40	0	0	0	40	0		0
	Total					40	6821.78	Nos	2,72,871

Work Code : 201920029722 **Name of the Work** : Construction of Toilet with Running Water
Administrative Sanction No : Proc.No2823009176/MBNN/2020-2021 **Technical Sanctioned** : 109 No
Estimate Amount (in Rs.) : 5,07,590/- **Work MBook Amount** : 5,26,345/- (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)								
	1.for column foundation	1	1.3	1.3	1.45	2.45	0		0
	2.for column foundation	1	1.3	1.3	1.28	2.16	0		0
	3.forcolumn foundation	1	1.3	1.3	1.35	2.28	0		0
	4.for column foundation	1	1.3	1.3	1.6	2.7	0		0
	5.for RR Masonry	3	5.85	0.6	0.6	6.32	0		0
	6.for RR Masonry	3	2.7	0.6	0.6	2.92	0		0
	7. Deduct junction	3	0.6	0.6	0.6	-0.65	0		0
	8.Deduct columns	4	0.23	0.23	0.6	-0.13	0		0
	FOR SEPTIC TANK	1	1.5	2.5	1.8	6.75	0		0
	Total					24.8	267.54	cum	6,635
	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)								
	1.column foundations	1	1.3	1.3	0.15	0.25	0		0
	10.deduct size of orissa pan wc	2	0.45	0.55	0.1	0.05	0		0

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	11.for flooring in old toilets	1	1.5	1.1	0.1	0.17	0		0
	12.for flooring in old toilets	1	1.5	0.85	0.1	0.13	0		0
	13.for flooring in old toilets	1	1.5	1.25	0.1	0.19	0		0
	14. deduct size of orissa pan WC	2	0.45	0.55	0.1	-0.05	0		0
	15. old toilets corridor	1	5.25	0.86	0.1	0.45	0		0
	16.old toilets corridor	1	1.8	1.15	0.1	0.21	0		0
	17.deduct inspection chamber	1	0.45	0.45	0.1	0.02	0		0
	2.for septic tank	1	1.5	2.5	0.15	0.56	0		0
	3.for RR masonry	3	5.85	0.6	0.15	1.58	0		0
	4.for RR Masonry	3	2.7	0.6	0.15	0.73	0		0
	5.deduct junctions	3	0.6	0.6	0.15	-0.16	0		0
	6.deduct columns	4	0.23	0.23	0.15	-0.03	0		0
	7.for Internal plinth beams	2	1.27	0.38	0.1	0.1	0		0
	8.for flooring	4	1.2	1.5	0.1	0.72	0		0
	9.for flooring	2	2.6	1.4	0.1	0.73	0		0
	Total					5.65	3218.32	cum	18,184
	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)								
	1.Total earth work done	1	16.29	1	1	16.29	0		0
	2.Deduct Qty of PCC for footings	1	0.26	1	1	-0.26	0		0
	3.deduct qty of VRCC for footings	1	1.73	1	1	-1.73	0		0
	4.deduct qty of VRCC for pedestals	1	0.37	1	1	-0.37	0		0
	5.deduct qty of VRCC for columns upto PB	1	0.13	1	1	-0.13	0		0
	Total					13.8	29.54	cum	408

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	Random Rubble stone masonry in CM (1:6) using hard variety of Granite stones from approved quarry including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for foundation and basement. (Excluding GST)								
	DEDUCT COLUMNS	4	0.23	0.23	0.9	-0.19	0		0
	DEDUT JUNCTTIONS	3	0.45	0.45	0.9	-0.55	0		0
	RRM	3	5.7	0.45	0.9	6.93	0		0
	RRRMM	3	3	0.45	0.9	3.65	0		0
	Total					9.84	3426.74	cum	33,719
	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)								
	GRAVEL FILLING	2	1.5	4.91	0.35	5.16	0		0
	GRAVEL FILLING	2	2.6	1.4	0.2	1.46	0		0
	GRAVEL FILLING	4	1.2	1.5	0.2	1.44	0		0
	Total					8.06	378.5	cum	3,051
	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)								
	FOOTINGS	4	1.2	1.2	0.3	1.73	0		0
	Total					1.73	6525.2	cum	11,289
	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.[PEDASTALS] (Excluding GST)								
	for OHSR (1x4x038x0.38x0.60)	4	0.45	0.45	0.45	0.36	0		0
	Total					0.36	6938.2	cum	2,498

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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.[COLUMNS] (Excluding GST)									
1.columns upto plinth beam	1	0.23	0.23	0.7	0.04	0			0
2.columns pto plinth beams	1	0.23	0.23	0.55	0.03	0			0
3.for columns upto plinth beams	1	0.23	0.23	0.38	0.02	0			0
4. for columns upto plinth beams	1	0.23	0.23	0.45	0.02	0			0
5.columns upto roof Beams	4	0.23	0.23	2.93	0.62	0			0
Total					0.73	8034.2	cum		5,865
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)									
DEDUCT JUNCTIONS	3	0.23	0.23	0.3	-0.05	0			0
FOR INTERNAL PLINTTH	2	1.5	0.23	0.3	0.21	0			0
FOR SHORT WALLS	3	3.23	0.23	0.3	0.67	0			0
Room Middle walls	3	5.69	0.23	0.3	1.18	0			0
Total					2.01	8517.2	cum		17,120
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[BEAMS] (Excluding GST)									
DEDUCT JUNCTIONS	2	0.23	0.23	0.3	-0.03	0			0
FOR LONG WALLS	2	5.69	0.23	0.3	0.79	0			0
FOR SHORT WALLS	3	3.23	0.23	0.3	0.67	0			0

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	Total					1.43	7474.47	cum	10,688
	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.[LINTELS] (Excluding GST)								
	OVER DOORS	2	2.5	0.23	0.15	0.17	0		0
	Total					0.17	8080.2	cum	1,374
	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	0.35	0.35	0	-0.49	0		0
	TOILET BLOCK SLAB	1	5.85	4.25	0	24.86	0		0
	Total					24.37	337.5	sqm	8,225
	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.toilet Block main walls	3	3.2	0.23	2.93	6.47	0		0
	10.partition walls	1	0.75	0.1	1.65	0.12	0		0
	11. for inspection chamber	2	0.45	0.1	0.3	0.03	0		0
	12.for inspection chamber	2	0.25	0.1	0.3	0.01	0		0
	2.Toilet Block Main walls	2	4.85	0.23	2.93	6.54	0		0
	3.Toilet Blockmain walls	2	2.25	0.23	3.23	3.34	0		0
	4.deduct opening	2	2.1	0.23	2.93	-2.83	0		0
	5.deduct door	4	0.77	0.23	2.1	-1.49	0		0
	6.deduct lintels	2	2.5	0.23	0.15	-0.17	0		0
	7.deduct ventilator	4	1.5	0.23	0.45	-0.62	0		0
	8.partition walls	2	1.45	0.1	2.25	0.65	0		0
	9.partition walls	1	0.8	0.1	1.65	0.13	0		0
	Total					12.18	5201.92	cum	63,359
	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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	1.toilet block	2	3.7	0	3.27	24.2	0		0
	2. toilet block	2	5.3	0	3.27	34.66	0		0
	3.toilet block	2	0.8	0	1.65	2.64	0		0
	4.toilet block	1	0.75	0	1.7	1.27	0		0
	5. half deduct ventilator	2	1.5	0	0.45	-1.35	0		0
	6.deduct opening	2	2.1	0	2.93	-12.31	0		0
	Total					49.11	315.32	sqm	15,485
	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)								
	1.toilet block	4	1.6	0	3.17	20.29	0		0
	2.toilet block	2	2.25	0	3.17	14.27	0		0
	3.toilet block	1	0.75	0	1.75	1.31	0		0
	4.deduct doors	4	0.75	0	1.95	-5.85	0		0
	5.toilet block	4	1.48	0	3.17	18.77	0		0
	6.toilet block	4	2.2	0	3.17	27.9	0		0
	7.for partion walls in toilets	4	1.46	0	2.15	12.56	0		0
	8.deduct cs of wall	4	0.15	0	2.15	-1.29	0		0
	9.half deduct ventilators	2	1.5	0	0.45	-1.35	0		0
	Total					86.61	110.3	sqm	9,553
	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)								
	1.flooring in new toilet blocks	2	1.43	1.03	0	2.95	0		0
	10.old toilets corridor	1	1.8	1.15	0	2.07	0		0
	11.deduct inspection chamber	1	0.45	0.45	0	-0.2	0		0
	12.	1	0.8	3.22	0	2.58	0		0
	13.corridor of new toilets	1	0.2	1.57	0	0.31	0		0
	14.corridor of new toilets	1	2.34	0.8	0	1.87	0		0
	15.corridor of new toilets	1	0.86	0.25	0	0.21	0		0
	2.flooring new toilet blocks	2	1.43	1.03	0	2.95	0		0

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	3.flooring new toilet blocks	1	2.22	1.4	0	3.11	0		0
	4.flooring new toilet blocks	1	2.22	1.4	0	3.11	0		0
	5.for flooring in old toilets	1	1.5	1.1	0	1.65	0		0
	6.for flooring in old toilets	1	1.5	0.85	0	1.27	0		0
	7.for flooring old toilets	1	1.5	1.25	0	1.88	0		0
	8.deduct size of orissa pan WC	4	0.5	0.6	0	-1.2	0		0
	9.oldtoilets corridor	1	5.25	0.86	0	4.51	0		0
	Total					27.07	717.89	sqm	19,433
	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)								
	1.east & west side walls	4	1.44	0	1.45	8.35	0		0
	10.in old toilets	2	1.5	0	0.55	1.65	0		0
	11.in old toilets	2	1.1	0	0.55	1.21	0		0
	2.NORTH& South walls	4	1.04	0	1.45	6.03	0		0
	3.east & west sidewalls	4	1.44	0	1.45	8.35	0		0
	4.north & south side walls	4	1	0	1.45	5.8	0		0
	5.DEDUCT doors of toilet 1 & 2	4	0.76	0	1.45	-4.41	0		0
	6.east side wall	2	1.6	0	1.45	4.64	0		0
	7.west side wall	2	1.45	0	1.45	4.21	0		0
	8.for door edges	4	0.15	0	1.45	0.87	0		0
	9.fordoor edges	2	0.45	0	1.45	1.3	0		0
	Total					38	560.53	sqm	21,300
	Providing and fixing factory made solid Wood Polymer Composite (WPC) single extruded Door Frame section of size 45x75 MM . The two Vertical members are to be joined together with the horizontal member using 8x50 MM long MS Star full thread screws to be used with reverse forward speed control hand drilling machine. The ready/assembled door frame is fixed to the wall using hold fast or bolt fasteners. A minimum of 4 No.s of screws to be provided for each vertical member & minimum 2no.s for horizontal member with encapsulation of 8MM rigid layer on all the six surfaces. The door frame will have a rebat of 32MM (Excluding GST)								

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	1.for boys toilet & girlstoilet	2	4.54	0	0	9.08	0		0
	2.for boys toilet & girls toilet	2	4.36	0	0	8.72	0		0
	Total					17.8	506	rmt	9,007
	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)								
	1.for boys & Girls Toilet	2	0.68	0	1.84	2.5	0		0
	2. for boys & Girls toilet	2	0.68	0	1.93	2.62	0		0
	Total					5.12	3030	sqm	15,514
	Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded. (Excluding GST)								
	12mm HYSD bars	925	0	0	0	925	0		0
	Total					925	48.41	Kgs	44,779
	Supplying and fixing of 75 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326) (Excluding GST)								
	1.forair pipes	1	8.1	0	0	8.1	0		0
	2. for air pipes	1	4.9	0	0	4.9	0		0
	Total					13	89.1	rmt	1,158
	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)								
	1. from toilets to septic tank	1	15.7	0	0	15.7	0		0
	2.in Boys Toilet	1	9.1	0	0	9.1	0		0
	3.in Girls toilet	1	8.6	0	0	8.6	0		0
	4.in Teacher toilets	1	14	0	0	14	0		0
	Total					47.4	169.13	rmt	8,017

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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[22.20 mm dia CPVC SDR 13.50]. (Excluding GST)								
	Toilet Tap Connections	0	0	0	0	0	0		0
	Total					0	85	rmt	0
	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)								
	1.consealed in B1	1	4.95	0	0	4.95	0		0
	2.consealed in B2	1	5.05	0	0	5.05	0		0
	3. consealed in G1	1	4.95	0	0	4.95	0		0
	4.consealed in G1	1	5.5	0	0	5.5	0		0
	5.concealed in Old toilets	1	7.6	0	0	7.6	0		0
	6. out side new toilets	1	10.85	0	0	10.85	0		0
	from OHSR to New Toilets	1	33.4	0	0	33.4	0		0
	from sump to OHSR	1	51.5	0	0	51.5	0		0
	fromOHSR to Old toilets & Kitchen	1	44.1	0	0	44.1	0		0
	Total					167.9	123	rmt	20,652
	Supplying and fixing of Long body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make Seiko including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors (Excluding GST)								
	taps	5	0	0	0	5	0		0
	Total					5	547	Nos	2,735
	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)								
	for man hole	1	0	0	0	1	0		0
	Total					1	633	Nos	633
	Supplying & Transportation of 0.5H.P single phase ISI Mono block CI body motor pumpset(25x25mm) Make:Kirlosker/Cropmton/Texmo/KSB/Lubi. As per (ELEC-5.4.11) (Excluding GST)								
	motor	1	0	0	0	1	0		0

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	Total					1	5000	Nos	5,000
	Supply and Fixing of 20 mm outer dia 2.10 mm thick Heavy grade with IS:9537 part 3 FRLS regid PVC pipe (ISI MARK) concealed in Roof Slabs with all required MS deep boxes and all accessories including and labour charges etc., complete (Excluding GST)								
	1.for boys	1	8.5	0	0	8.5	0		0
	2. for boys	1	3.2	0	0	3.2	0		0
	Total					11.7	58.38	mtr	683
	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)								
	1. boys toilet	1	2.9	0	0	2.9	0		0
	2.Girlstoilet	1	2.9	0	0	2.9	0		0
	Total					5.8	71.44	mtr	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.[RCC SLABS 125mm thick] (Excluding GST)								
	ROOF SLAB	1	5.85	4.25	0.13	3.11	0		0
	Total					3.11	7270.47	cum	22,611
	Labour charges only for fixing European Water Closet with P or S trap as per standard practice (BMW- D.15) (Excluding GST)								
	EWE	3	0	0	0	3	0		0
	Total					3	264	Nos	792
	Labour charges only Fixing Orissa pan W.C with P or S Trap (BMW-D.06) (Excluding GST)								
	ORISSA	4	0	0	0	4	0		0
	Total					4	377	Nos	1,508
	Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete (BMW-D.36) (Excluding GST)								
	URINALS	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)								
	for wash basin in toilets	4	0	0	0	4	0		0

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	Total					4	319	Nos	1,276
	(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)								
	EWC	3	0	0	0	3	0		0
	Total					3	7600	Nos	22,800
	(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)								
	URINNALS	4	0	0	0	4	0		0
	Total					4	712.72	Nos	2,851
	(CERA Sanitaryware Ltd) Supply of Ceramic square glossy finish hand wash basin wall mount / hung. 1st quality conforming to IS: 2556-Part-4:1972 with waste fittings like rubber plug , chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore chromium plated Pillar tap of 1st Quality Indian make 400 gms Seiko / Senior / Nice / Esso or equivalent complete of white colour and approved make with standard CI brackets including wooden block : 550 x 400mm – Double C.P.Pillar Cock including cost and conveyance of all materials and all labour charges like loading, Unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	HAND WASH	4	0	0	0	4	0		0
	Total					4	1478.17	Nos	5,913
	(CERA Sanitaryware Ltd) Supply of Orissa Pan white glazed W.C 1st quality conforming to IS:2556-Part-3-1981 with P or S trap: 510 x 400 mm Long including cost and conveyance of all materials : White Coloured including cost and conveyance of all materials and all labour charges like loading, unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	ORISSSAA PAN	4	0	0	0	4	0		0
	Total					4	1185	Nos	4,740
	Supplying & Fixing 12.7mm NP stop cock Indian make heavy duty including Labour charges (BMW-E.01& E.02)) (Excluding GST)								
	stop cocks	6	0	0	0	6	0		0
	Total					6	435	Nos	2,610

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	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 [Reinforced cement concrete] (Excluding GST)								
	dismanteling sunshade	1	1.2	0.6	0.1	0.07	0		0
	Total					0.07	2271.9	cum	159
	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)								
	black boards	5	2.3	0	1.25	14.38	0		0
	Total					14.38	5.5	Sqm	79
	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[Cement Concrete (1:5:10) for Dummy Columns in First Floor] (Excluding GST)								
	FOR DUMMY COLUMNS	4	0.35	0.35	0.8	0.39	0		0
	Total					0.39	5148.21	cum	2,008
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								
	FOR HYSD BARS	0	0	0	0	29185	0		0
	Total					29185	1	LS	29,185
	Supplying & Fixing low down porcelain flushing tank 10 Lit Capacitywith internal components (Excluding GST)								
	flusing tank	4	0	0	0	4	0		0
	Total					4	2226	Nos	8,904
	Labour charges only for fixing low down porcelain flushing tank with internal components (Excluding GST)								
	labour charges for flusing tank	0	0	0	0	0	0		0
	Total					0	528	Nos	0
	S & F angle stop cock 12.7 mm diafirst quality Indian Make heavy duty (Excluding GST)								
	stop cock	10	0	0	0	10	0		0
	Total					10	451	Nos	4,510
	Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Continental series, Chrome Finish (Excluding GST)								
	health faucets	3	0	0	0	3	0		0

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	Total					3	2769	Nos	8,307
	Supply and Fixing of 12.7 mm dia NP push cock 1st quality (Excluding GST)								
	push taps for urinals	2	0	0	0	2	0		0
	Total					2	234	Nos	468
	3" (76.2 mm) Nahany Trap (without Jali without inlet)UPVC/SWR Pipe fittings (Excluding GST)								
	jali	13	0	0	0	13	0		0
	Total					13	74	Nos	962
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	49377.48	PERCENT AGE	49,377

Work Code	: 201920030063	Name of the Work	: Providing Electrification with Fans and Tube Lights
Administrative Sanction No	: Proc.No2823009176/MBNN/2020 -2021	Technical Sanctioned	: 109 No
Estimate Amount (in Rs.)	: 1,84,092/-	Work MBook Amount	: 1,76,390/- (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 2.2mm thick P.V.C. pipe (ISI Mark) concealed in Roof Slabs with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	from room 5 to room 3	1	2.1	0	0	2.1	0		0
	IN ROOM 2	1	7	0	0	7	0		0
	IN ROOM 3 & 4	2	5	0	0	10	0		0
	open coduct	1	1.5	0	0	1.5	0		0
	Total					20.6	66.86	mtr	1,377
	Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	in room 1	1	11.6	0	0	11.6	0		0

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	in hm room	1	15.7	0	0	15.7	0		0
	in kitchen shed	1	1.8	0	0	1.8	0		0
	in room 2	1	13.1	0	0	13.1	0		0
	in room 3	1	10.8	0	0	10.8	0		0
	in room 4	1	7.1	0	0	7.1	0		0
	in room 5	1	12.7	0	0	12.7	0		0
	in toilet	1	2	0	0	2	0		0
	Total					74.8	71.44	mtr	5,344
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)									
	for all the class room connections	1	255.25	0	0	255.25	0		0
	Total					255.25	18.62	mtr	4,753
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)									
	1.for Motor	1	10	0	0	10	0		0
	10.for MCB to DB of room 3	1	29	0	0	29	0		0
	11.for MCB to DB of room 4	1	22	0	0	22	0		0
	12.for MCB to DB of room 5	1	15.85	0	0	15.85	0		0
	2. for socket in kitchen	1	25	0	0	25	0		0
	3.for MCB to toilets	1	8.4	0	0	8.4	0		0
	4.for MCB toilets	1	7	0	0	7	0		0
	5.for MCB to DB of kitchenshed	1	15	0	0	15	0		0
	6.for MCB to DB of HM Room	1	40	0	0	40	0		0
	7.for MCB to DB of HM Room	1	47	0	0	47	0		0
	8.for MCB to DB of room 1	1	13	0	0	13	0		0
	9.for MCB to DB of Room 2	1	23	0	0	23	0		0
	Total					255.25	64.93	mtr	16,573

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	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.for lights phase	2	0	0	0	2	0		0
	2.for fans phase	24	0	0	0	24	0		0
	3.for lights phase	24	0	0	0	24	0		0
	4.for toilets& kitchen	8	0	0	0	8	0		0
	Total					58	611.17	Nos	35,448
	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)								
	6A 3 pin Sockets	13	0	0	0	13	0		0
	for toilets & kitchen	5	0	0	0	5	0		0
	Total					18	284.35	Nos	5,118
	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)								
	in Hm room	5	0	0	0	5	0		0
	Total					5	434.34	Nos	2,172
	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)								
	1.HM Room	3	0	0	0	3	0		0
	2.Room2 & varandah	5	0	0	0	5	0		0
	3.Room1	4	0	0	0	4	0		0
	4.Room 3,4 & varandah	9	0	0	0	9	0		0
	5.room5	4	0	0	0	4	0		0
	for kitchen shed and toilets	6	0	0	0	6	0		0
	street lights 25 W LED	0	0	0	0	0	0		0
	Total					31	867.5	Nos	26,893
	Supply and Transportation of 1x40W patty type tube light luminaire with copper choke, starter etc., including 1 No. 40W tube etc., complete. (Excluding GST)								
	led street light of 45W	1	0	0	0	1	0		0

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	Total					1	4500	Nos	4,500
	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)								
	25w led street lights	2	0	0	0	2	0		0
	Total					2	1980	Nos	3,960
	Supply and fixing of 1 Module Modular type Electronic step type Fan Regulator. in the existing switch board. (Excluding GST)								
	Fan Regulator	24	0	0	0	24	0		0
	Total					24	365	Nos	8,760
	Labour charges for fixing of ceiling fan and regulator including transportation and giving connections with twin core wire etc., complete. (Excluding GST)								
	Labour charges for fixing of ceiling fan	20	0	0	0	20	0		0
	Total					20	138.88	Nos	2,778
	Supply of fresh air exhaust fan of light duty 250V A.C 50 Hz., 225mm (9) 1350R.P.M. Metallic body plastic blades, wire mesh, etc., complete. Makes: Crompton / Almounard / Havells Turbo Force. (Excluding GST)								
	Exhaust Fan	0	0	0	0	0	0		0
	Total					0	1302.9	Nos	0
	Labour charges for fixing of exhaust fan in wall with necessary connections and masonry work of making hole, finishing etc., complete. (Excluding GST)								
	Labour Charges for Exhaust Fan	1	0	0	0	1	0		0
	Total					1	492.39	Nos	492
	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)								
	Distribution Board	1	0	0	0	1	0		0
	Total					1	4107.07	Nos	4,107
	Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Data, using 40mm GI B Class Pipe of 2.5 Mtrs length with necessary accessories duly providing staggered holes including filling with equal proportion of Salt and Charcoal in layers and all labour charges etc., complete. (Excluding GST)								
	earthling	1	0	0	0	1	0		0
	Total					1	4442	Nos	4,442

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	(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	20	0	0	0	20	0		0
	Total					20	1440	Nos	28,800
	Supply of 18" (450mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes: Crompton / Almounard / Havells Turbo Force/Halonix Krypton (Excluding GST)								
	for kitchen shed	1	0	0	0	1	0		0
	Total					1	4100	Nos	4,100
	Supply of 3 Core..... Flat Copper cable of ISI for Submersible Motors confirming to IS:694:1990. Makes: Finolex / RR Kabel/ Polycab / Havells / KEI/Gloster/Goldmedal/GM (Excluding GST)								
	from main to submersible motor	1	12	0	0	12	0		0
	Total					12	80	rmt	960
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	15813.19	PERCENT AGE	15,813

Work Code	: 201920030070	Name of the Work	: Drinking Water Supply
Administrative Sanction No	: Proc.No2823009176/MBNN/2020-2021	Technical Sanctioned	: 109 No
Estimate Amount (in Rs.)	: 2,23,628/-	Work MBook Amount	: 1,99,129/- (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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	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 HYSD bars	181.39	0	0	0	181.39	0		0
	for hand wash, OHSR Top slab	50	0	0	0	50	0		0
	Total					231.39	48.41	Kgs	11,202
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[COLUMNS] (Excluding GST)								
	for OHSR columns	4	0.3	0.3	0.55	0.2	0		0
	Total					0.2	8034.2	cum	1,607
	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 150mm thick] (Excluding GST)								
	for hand wash	1	3.9	0.42	0.15	0.25	0		0
	Total					0.25	6826.47	cum	1,707
	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	0	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)								
	Water Supply Line	3	0	0	0	3	0		0
	Total					3	207	Nos	621
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[BEAMS] (Excluding GST)								

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	for hand wash	0	0	0	0	0	0		0
	Total					0	7474.47	cum	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.[BEAMS First Floor] (Excluding GST)								
	1. for OHSR Beams	2	1.96	0.23	0.23	0.21	0		0
	2. OHSR Beams	2	2.84	0.23	0.23	0.3	0		0
	3.for haunch	1	2.84	0.23	0.2	0.13	0		0
	4.for haunch	1	1.96	0.23	0.2	0.09	0		0
	Total					0.73	7588.93	cum	5,540
	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.[RCC SLABS 115mm thick First Floor] (Excluding GST)								
	deduct man hole	0	0	0	0	0	0		0
	For OHSR Top Slab (2.3x2.3)	0	0	0	0	0	0		0
	For OHSR top Slab Projection (0.90x.60)	0	0	0	0	0	0		0
	Total					0	7616.59	cum	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.[RCC SLABS 200mm thick First Floor] (Excluding GST)								
	1.Bottom OHSR slab	1	2.37	2.84	0.2	1.35	0		0
	Total					1.35	6440.93	cum	8,695

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	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)								
	over water taank bottom slaab	1	1.96	2.39	0	4.68	0		0
	Total					4.68	363.42	sqm	1,701

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<p>(Livpure Pvt Ltd) Drinking water Supply System Type-III - B) DRINKING WATER SYSTEM FOR SCHOOLS HAVING SOURCE WATER TDS BELOW 400 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 in figure) Capacity : 500Liters, 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 made of SS tube of size 25mm x 25mm x 1.6mm, thick of approved brand 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/MM, UV system with 1000 LPH capacity with SS body 500 mm height – Mud 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, Mud Filter : MMP / Pratham with 5 years warranty, Dual MediaFilter, Centrifugal pump 0.5 HP (Make-CRI / Lubi / Leo) with 5 years warranty, Pressure gauge, TDS meter, Booster pump 0.5 hp with 5 years warranty, Socket - 01No., Battery-12V-7ah [ONE(01) in number along with all Charging accessories] OR optimum rating., Treated Water Tank: [A]Dimension: (As shown in figure), Capacity: 300 Liters, Shell diameter : 765mm, Height of shell: 650mm, Diameter of : 500 mm Lid (Top opening) Locking system :with Heavy stainless Top Lid(Tank Opening)steel Hinge and padlock, Embossing letters on Tank: Nadu -Nedu2020 (B)Specifications :Tank with Lid shall be made with SS sheet of 304 grade with 1.20mm thickness and the SS sheet shall be Jindal / Salem SAIL; with locking system as shown infigure., (C)Stand: Height ofstand : 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 as shown in figure (SS 304 grade Pipe shall be of approved brand viz., Jindal / TATA / Salem SAIL / VizagSteel), Outlet pipe made with SS pipe of diameter 40.0mm (1½) and inlet pipe made with SS pipe of diameter 25.40 mm (1) of approved brand SS drain pipe of diameter 40mm(1½), shall be provided with functional valve., [4] Water Dispenser(Size 3000mm x 450mm x1200mm): [SSSink], Government High Schools, SS Water Dispenser of size 3000mm x 450mm x 1200mm as 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 (Pedal photo as shown in figure) of SS coated Gun metal push or any better quality taps with 40mm (1½) diameter SS connecting pipe up to 3mtrs length with necessary SS clamps at 3 supports and the 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)</p>									
water purifer	1	0	0	0	1	0			0
Total					1	136703	Nos		1,36,703
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)									
above hand wash sides	2	0.3	0.1	0.15	0.01	0			0
above hand wash slab	1	3.9	0.1	0.15	0.06	0			0

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	for hand wash	3	0.23	0.23	0.65	0.1	0		0
	Total					0.17	5201.92	cum	884
	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure.[Brick masonry in CM (1:8) in First Floor] (Excluding GST)								
	for water tank	2	1.96	0.23	1.1	0.99	0		0
	for water tank	2	2.84	0.23	1.1	1.44	0		0
	Total					2.43	5468.36	cum	13,288
	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 for First Floor]. (Excluding GST)								
	1.for internal	2	1.96	0	1.1	4.31	0		0
	2. for internal	2	2.39	0	1.1	5.26	0		0
	3.for external	2	2.84	0	1.5	8.52	0		0
	4.for external	2	2.43	0	1.5	7.29	0		0
	5.for columns	4	1.2	0	0.55	2.64	0		0
	for hand wash above slab	2	3.9	0	0.15	1.17	0		0
	for hand wash above slab sides	4	0.3	0	0.15	0.18	0		0
	for hand wash bottom columns	9	0.23	0	0.65	1.35	0		0
	Total					30.72	341.57	sqm	10,493
	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	6688.5	PERCENT AGE	6,689

Work Code : 201920030072

Name of the Work : Paintings to School

Administrative Sanction No : Proc.No2823009176/MBNN/2020
-2021

Technical Sanctioned : 109
No

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Estimate Amount (in Rs.)

: 1,61,827/-

Work MBook Amount : 1,56,943/-

(in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	(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)								
	for external walls	0	0	0	0	508.2	0		0
	Total					508.2	85.02	Sqm	43,207

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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 internal walls	0	0	0	0	676.24	0		0
	Total					676.24	87.03	Sqm	58,853
(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)									
	for door	2.25	1.05	0	1.9	4.49	0		0
	for windows	8.25	1.45	0	1.35	16.15	0		0
	Total					20.64	96.02	Sqm	1,982

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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)									
for iron doors	0	0	0	0	116.57	0			0
for iron windows	0	0	0	0	0	0			0
Total					116.57	90.01	Sqm		10,492
(Berger Paints India) Wall art coloring to exterior and interior walls to make the school environment favourable to children with arts like animals, birds, trees etc and with themes like environment/science/space etc using Acrylic Emulsion Colours of highest grade using standardised stencils (the art work / designs will be furnished by the authority / department). The surface area of work done will be taken as 40 % of the external wall treated and 50 % for internal walls (considering 60 % voids for external walls and 50 % voids for internal walls) Include colours, 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 contractor with a warranty period of 7 Years for entire painting & Paint Coloring (Including GST)									
for internal	0	0	0	0	0	0			0
forr external	1	1	1	0	1	0			0
Total					1	10000	Sqm		10,000
(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 ceilings	0	0	0	0	372.38	0			0
Total					372.38	87.03	Sqm		32,408

Work Code

: 201920030090

Name of the Work

: Major and Minor Repairs

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Administrative Sanction No

: Proc.No2823009176/MBNN/2020
-2021

Technical Sanctioned : 109
No

Estimate Amount (in Rs.)

: 5,59,820/-

Work MBook Amount : 5,76,112/-
(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				
	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 [Reinforced cement concrete] (Excluding GST)								
	sun shade	1	1.2	0.6	0.1	0.07	0		0
	Total					0.07	2271.9	cum	159
	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)								
	1.old compound walls	1	10	0.1	1.35	1.35	0		0
	2.oldkitchen shed	2	6	0.23	2.75	7.59	0		0
	3.toilet main walls	2	2.5	0.23	2.75	3.16	0		0
	Total					12.1	262.08	cum	3,171
	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)								
	kadapa flooring	1	6	4.8	0	28.8	0		0
	kadapa flooring	1	6	3	0	18	0		0
	Total					46.8	6.6	Sqm	309
	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 [Unreinforced cement concrete up to 15cm thickness] (Excluding GST)								
	at varanda	1	6.8	1.75	0.1	1.19	0		0
	at varanda	1	6.8	5.75	0.1	3.91	0		0
	Total					5.1	1024.8	cum	5,226

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	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)								
	old black boards	5	2	1.2	0	12	0		0
	Total					12	5.5	Sqm	66
	Dismantling doors , windows and clear storey windows, Ventilators etc., (wood or steel) shutters including Chowkhats , architraves,hold fasts and other attachments etc., and stacking them within 100m lead including labour charge etc., and overheads & contractors profit complete for finished item of work[Not exceeding 3 sqm] (Excluding GST)								
	doors and windows	5	0	0	0	5	0		0
	Total					5	154.75	Nos	774
	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)								
	at varanda	1	7.95	7.5	0.3	17.89	0		0
	at varanda	1	1.78	1.15	0.3	-0.61	0		0
	below kadapa flooring	1	6	3	0.15	2.7	0		0
	below kadapa flooringg	1	6	4.8	0.15	4.32	0		0
	kitchen shed	2	3.7	0.6	0.6	2.66	0		0
	Kitchen Shed-Pit1	2	5.9	0.6	0.6	4.25	0		0
	Total					31.21	152.88	cum	4,771
	Random Rubble stone masonry in CM (1:6) using hard variety of Granite stones from approved quarry including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for foundation and basement. (Excluding GST)								
	for kitchen shed RR	2	3.84	0.45	0.75	2.59	0		0
	Kitchen Shed-Long Wall1	2	5.75	0.45	0.75	3.88	0		0
	Total					6.47	3426.74	cum	22,171
	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.in kitchen shed	1	5.07	0.23	3.1	3.61	0		0
	10.deduct exhaust fan opening	1	0.45	0.23	0.45	-0.05	0		0
	11. forstair case	1	1.25	0.1	0.45	0.06	0		0
	12.for stair case	2	0.7	0.1	0.45	0.06	0		0

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	13. for staircase	2	0.7	0.15	0.3	0.06	0		0
	14. for compound wall	2	6	0.1	1.7	2.04	0		0
	15. for compound wall	1	4.3	0.1	1.7	0.73	0		0
	16. for compound wall	1	1	0.1	1	0.1	0		0
	2. in kitchen shed	1	5.07	0.23	2.87	3.35	0		0
	3. in kitchen shed	2	4.07	0.23	2.99	5.6	0		0
	4. racks for stage	1	0.45	0.1	1.6	0.07	0		0
	5. for chimney north side wall	1	0.8	0.1	3.14	0.25	0		0
	6. chimney west side wall	1	1	0.1	1.7	0.17	0		0
	7. deduct triangle portion	1	0.5	0.1	0.4	-0.02	0		0
	8. deduct door	1	1.2	0.23	2.2	-0.61	0		0
	9. deduct windows	3	1.2	0.23	1.2	-0.99	0		0
	Total					14.43	5201.92	cum	75,064
	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 kitchen shed plinth beam	152.95	0	0	0	152.95	0		0
	Total					152.95	48.41	Kgs	7,404
	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)								
	for kitchen shed plinth	2	5.53	0.23	0.3	0.76	0		0
	for plinth	2	4.07	0.23	0.3	0.56	0		0
	Total					1.32	8517.2	cum	11,243
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick First Floor] (Excluding GST)								
	for OHSR top slab	1	2.85	2.42	0.13	0.86	0		0
	Total					0.86	7616.59	cum	6,550

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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)									
1.kitchen external walls	1	5.07	0	3.1	15.72	0			0
10.for compound wall	4	6	0	1.7	40.8	0			0
11.for compond wall	2	4.3	0	1.7	14.62	0			0
12.for compound wall	2	1	0	1	2	0			0
2.kitchen external walls	1	5.07	0	2.87	14.55	0			0
3.kitchen external walls	2	4.07	0	2.98	24.26	0			0
4.deduct door	0.5	1.2	0	2.2	-1.32	0			0
5.half deduct windows	1.5	1.2	0	1.2	-2.16	0			0
6.deduct exhaustfanopening	0.5	0.45	0	0.45	-0.1	0			0
7.for basement	2	5.75	0	0.75	8.63	0			0
8.for basement	2	4.75	0	0.75	7.13	0			0
9.for basement	1	1.25	0	0.75	0.94	0			0
Total					125.07	315.32	sqm		39,437
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)									
over sunshades	2	6.5	0.6	0	7.8	0			0
Total					7.8	337.5	sqm		2,633
Supplying, fitting and placing MS grilled door, windows, gate including fabrication charges and all incidental charges etc, cost and conveyance of all materials and all labour charges etc., complete. (make of materials - TATA, Jindal, Sail, Visakha) (Excluding GST)									
for kitchen shed door	80	0	0	0	80	0			0
for kitchen shed purlions	350	0	0	0	350	0			0
for kitchen shed windows	260	0	0	0	260	0			0
for main gate	100	0	0	0	100	0			0
for RO plant room	350	0	0	0	350	0			0
Total					1140	70.08	Kgs		79,891

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	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)								
	deduct	1	1	0.8	0	-0.8	0		0
	deduct	1	1.35	1.2	0	-1.62	0		0
	for kitchen	1	5.1	4	0	20.4	0		0
	Total					17.98	282	sqm	5,070
	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)								
	deduct	2	0.38	0.38	0	-0.29	0		0
	for flooring	1	6	4.8	0	28.8	0		0
	for flooring	1	6	3.45	0	20.7	0		0
	for skirting	1	20.4	0	0.1	2.04	0		0
	for skirting	1	9	0	0.1	0.9	0		0
	Total					52.15	1846.8	sqm	96,311
	Flooring with Non-skid red or white full body Ceramic floor tiles, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work (Excluding GST)								
	deduct at varanda	1	1.75	1.15	0	-2.01	0		0
	for varanda	1	7.95	7.5	0	59.63	0		0
	for varandaa	0	0	0	0	0	0		0
	from girls toilet to sump	1	1.95	1.5	0	2.92	0		0
	Total					60.54	717.89	sqm	43,461

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Dadoing to walls with ISO accerdiate glazed red or white full body ceramic wall tiles of make as approved by engineer -in - charge of site not less than 300 x 450 mm / 320 mm x 400 mm set over base coat 12mm thick CM (1:3) base over coat and neat grey cement slurry of honey likr consistency spread at the rate of 3.3 kgs per sqm and jointed with white cement paste mixed with pigment of matching shade to matching shade to match the shade of tiles including cost and of all materials and water to work site, including cost of seigniorage charges on all materials and all operational incidental and labour charges such as mixing mortar fixing in postion including lift charges curing etc completed for work . (Excluding GST)									
for hand wash	1	3.9	0	0.34	1.33	0			0
for kitchen shed	1	1.35	0	1.35	1.82	0			0
for kitchen shed	1	1.55	0	0.95	1.47	0			0
Total					4.62	560.53	sqm		2,590
Flooring with precast concrete blocks for paving of M-40 grade and thickness not less than 80 mm for Non-traffic areas conforming to IS 15658:2006 only after it is properly cured, cleaned, moistered and where necessary treated with neat grey cement slurry of honey like consistency spred at3.3 kgs of cement for 1 sqm. and jointed with neat cement paste to full depth, including cost and conveyance of all materials like cement, sand, water, flooring stones etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as dressing of flooring stones to the required sizes, mixing of cement mortar, laying, jointing, curing, lift charges etc., complete for finished item of work. (Excluding GST)									
for paver blocks	1	6.7	1.25	0	8.38	0			0
for paver blocks	1	1.95	1.5	0	2.92	0			0
Total					11.3	775.59	sqm		8,764
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)									
Kitchen Shed-Room	1	4.84	3.84	0.3	5.58	0			0
Total					5.58	378.5	cum		2,112
Supply & fixing pre-painted galvalium trepizoidal 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)									
Kitchen Shed-Shed1	0	5	4.6	1	0	0			0
Total					0	466.91	sqm		0
Repairs to existing old furniture other than dual desks (Excluding GST)									
Reapirs to furniture	0	0	0	0	0	0			0
Total					0	1	LS		0

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	Flooring with Polished Shahabad/ Tandur stone slabs of 15 to 18mm 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)								
	1.for kitchen shed	0	0	0	0	0	0		0
	2.chimney pltfarm	1	0	0	0	0	0		0
	3.dishes wash area	1	0	0	0	0	0		0
	Total					0	461.58	sqm	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)								
	back side of new toilets	1	9.95	0.75	0.1	0.75	0		0
	for flooring of kitchen shed	1	5.1	4	0.1	2.04	0		0
	for granite flooring	1	6	3	0.1	1.8	0		0
	for granite flooring	1	6	4.8	0.1	2.88	0		0
	for hand wash	1	2.75	0.6	0.1	0.17	0		0
	for hand wash	1	3.9	1	0.1	0.39	0		0
	for kitchen shed RR	2	3.7	0.45	0.15	0.5	0		0
	for kitchen shed RR	2	5.9	0.45	0.15	0.8	0		0
	for toilets	1	9.75	1.5	0.1	1.46	0		0
	for varanda	1	7.95	7.5	0.1	5.96	0		0
	for varanda	1	1.78	1.15	0.1	-0.2	0		0
	Total					16.55	3218.32	cum	53,263
	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)								
	1. inside kitchen shed	1	5.07	0	3.1	15.72	0		0
	2.inside kitchen shed	1	5.07	0	2.87	14.55	0		0
	3.inside kitchen shed	2	4.07	0	2.98	24.26	0		0
	4.deductdoor	0.5	1.2	0	2.2	-1.32	0		0
	5. half deduct windows	1.5	1.2	0	1.2	-2.16	0		0
	6. Deduct exhaust fan opening	0.5	0.45	0	0.45	-0.1	0		0

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	Total					50.95	308.51	sqm	15,719
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								
	for kitchen shed	0	0	0	0	6736	0		0
	for structural steel for RO plant	0	0	0	0	5300	0		0
	Total					12036	1	LS	12,036
	Flooring with Cement Concrete floor tiles of size 300mm*300mm , 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)								
	at prayer hall	1	7.95	7.5	0	0	0		0
	at prayer hall	1	1.75	1.15	0	0	0		0
	Total					0	595.5	sqm	0
	Roofing with 0.5 mm thick Galvanized / Pre-painted GI Profiled Sheets fixed to GI Pipes fixed to the purlins with 14 size self drilling screws with neoprene washer. Side laps are stritched with self tapping / drilling screws. End laps are to be sealed with 25 X 3 mm Butyl tape. The sheets are provided with anti capillary Groove including cost of conveyance of all materials and labour charges etc., complete. (Excluding GST)								
	for kitchen shed	1	5	4.6	0	23	0		0
	Total					23	760	sqm	17,480
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	60436.7	PERCENT AGE	60,437

Signature of FE/AE/AEE

U SRINIVAS

Signature of Deputy Executive Engineer

Cherreddi Naveenkumar

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Signature of Engineering
Assistant

Signature of Executive Engineer

Kandepu Kedareswara Rao