

మన బడి నాడు-నేడు

Measurement Book No : 28236001606001

District Name	:	CHITTOOR
Mandal Name	:	PEDDAPANJANI
Village Name	:	KOLATHUR
Name of the Executing Agency	:	Panchayat Raj
Name of School	:	MPUPS KOLLATHUR
U-Dise Code	:	28236001606
Technical Sanctioned Amount	:	2916623
Admin Sanctioned Amount	:	2916623
Total Expenditure	:	2599624

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Abstract

U-Dise Code : 28236001606
Technical Sanctioned Amount : 2916623
Admin Sanctioned Amount : 2916623
Total Expenditure : 2599624
MBook Number : 28236001606001

Work Code	Work type name	Estimated Cost	Value of work done
201920001467	English Labs	40000	41439
201920047799	Green Chalk Board	92784	92691
201920047848	Furniture for Students and Staff	715345	564966
201920050404	Drinking Water Supply	312111	354016
201920056744	Providing Electrification with Fans and Tube Lights	117839	125909
201920071938	Construction of Toilet with Running Water	500731	485234
201920075066	Major and Minor Repairs	841567	795468
201920084142	Paintings to School	296246	139900
	Total	2916623	2599624

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 : 201920001467 **Name of the Work** : English Labs
Administrative Sanction No : Proc.No: 2823020105 / MBNN / 2020-2021 **Technical Sanctioned** : 117 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 : 201920047799 **Name of the Work** : Green Chalk Board
Administrative Sanction No : Proc.No: 2823020105 / MBNN / 2020-2021 **Technical Sanctioned** : /21-22 No
Estimate Amount (in Rs.) : 92,784/- **Work MBook Amount** : 92,691/- (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)								
	Kolathur Green Chalk Boards	9	0	0	0	9	0		0
	Total					9	10299	Nos	92,691

Work Code : 201920047848 **Name of the Work** : Furniture for Students and Staff
Administrative Sanction No : Proc.No: 2823020105 / MBNN / 2020-2021 **Technical Sanctioned** : /21-22 No
Estimate Amount (in Rs.) : 7,15,345/- **Work MBook Amount** : 5,64,966/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Teacher Table in classroom, Table Top Material is 18 mm thick prelaminated Particle Board (Not as per IS8126) Thickness (±2 mm). One side double storage is provided and pedestals (under structure) Mild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm (Excluding GST)								
	Teacher Table	0	0	0	0	0	0		0
	Total					0	3304	Nos	0
	Teacher Chair in classroom, Library room, Laboratory room Seat and Backrest is Made of Polythene cane. (Excluding GST)								
	Teacher Chair	0	0	0	0	0	0		0
	Total					0	1050	Nos	0

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

Dual Desks For 1 to 3	28	0	0	0	28	0		0
Total					28	6768.38	Nos	1,89,515

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

Dual Desks For Class 4 to 6	33	0	0	0	33	0		0
Total					33	6821.78	Nos	2,25,119

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Supply & Placing Dual desk for class VII to X ; TYPE – III The overall dimensions of desk will be W 1066mm x D 930mm x H 760 (for table top). The seating bench height shall be 452 mm. 1. Table top shall be made up of 18.0 mm thick plywood (tolerance as per IS 303) of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish). Table top dimensions shall be W 1008.0 mm x D 380.0 mm. Edge towards bench shall be post formed with round edge. The remaining three edges must be sealed with 2mmthick PVC edge banding tape. Edge band must be trimmed on edges and corners. 2. Side frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness bolted to 25.0 mm x 50.0 mm x 1.2mm thickness tube of 890mm length by using C-clamps made up of 3.0 mm thickness sheet. 3. Seat and back rest frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness welded to MS pipe of 25.4 mm diameter x 1.2mm thickness. All 8 numbers of horizontal supports shall be made up MS tube having dimensions 25.0 mm x 25.0 mm x 1.2 mm thickness. MS tube of size 20.0 mm x 20.0 mm x 1.0 mm thickness and 100.0 mm long shall be welded to the frame to hold the horizontal supports. 4. Rectangular MS tube of dimension 50.0 mm x 25.0 mm x 1.2 mm thickness shall be closed with PPCP (Polypropylene Copolymer) cap at both the ends. Pipe diameter 25.4 mm x 1.2 mm thickness shall be closed with PPCP cap at back side and under the seat. 5. Upper modesty panel and shelf shall be made of 0.8 mm thick CRCA sheet. The dimensions for upper modesty panel shall be H 175.0 mm x W 1012.0 mm x D 23.0 mm. The dimensions of shelf shall be W 1012.0 mm X D 300.0 mm X H 23.0 mm. The shelf shall have vertical partition at the center. This partition shall be made up of square MS tube having size 25.0 mm x 25.0 mm x 1.2 mm thickness. Stiffeners of MS tube having sizes as 20.0 mm x 20.0 mm x 1.0 mm thickness shall be provided in upper modesty panel and shelf. Front fascia of upper modesty panel of desk shall have embossed design. The corners of shelf (projecting towards the seating bench) shall be rounded through corner-forming technology (without welding) to avoid injury in case of accidental impact. 6. Additional lower modesty panel having size H 150.0 mm x W 1008.0 mm X D 23.0 mm shall be made up of 0.8 mm thick CRCA sheet with designer square perforations. MS tube of size 20.0 mm x 20.0 mm x 1.2 mm thickness shall be fixed across the length at the bottom side of lower modesty panel. 7. Seat and back rest shall be made of 18mm thick plywood of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish) except back rest. Back rest shall have both sides lamination. 7.1 Seating bench dimensions shall be W 1066.0 mm X D 300.0 mm: Front side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. 7.2 Back rest dimensions shall be W 1066.0 mm x D 250.0 mm: Upper side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. 7.3 Leg space between top and seat shall be 150mm. 8. Bag/bottle hooks shall be made of MS wire having diameter of 5.0 mm. The overall size of hook shall be W 23.0 mm, D 32.0 mm and H 80.0 mm. It shall be welded on inner facia of both the vertical press-fitted steel sections. 9. The MIG / Spot welding shall be done as per technical requirement. 10. All metal components shall be powder coated in satin finish with pretreatment process. The item shall carry a warranty period of 5 (Five) years from the date of supply (Excluding GST)

Dual Desks For Class 8 TO 10	0	0	0	0	0	0	0		0
Total					0	6895	Nos		0

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<p>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 polyster 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 (Excluding GST)</p>									
Teacher Almarah Racks	2	0	0	0	2	0			0
Total					2	9400	Nos		18,800
<p>(Swadeshi Khadi Gramodhyog) Dual Desk Type-III (Class VI to VII) Supply & Placing Dual desk for class VI to VIII ; TYPE – III (A) (Color Blue of Greenlam or Equivalent or any other colour/s decided by the Govt.) The overall dimensions of desk will be W 1066mm x D 930mm x H 760 (for table top). The seating bench height shall be 452 mm. The desk shall be manufactured as per the specifications mentioned below: - (1) Table top shall be made up of 18.0 mm thick plywood (tolerance as per IS 303) of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish). Table top dimensions shall be W 1008.0 mm x D 380.0 mm. Edge towards bench shall be post formed with round edge. The remaining three edges must be sealed with 2mmthick PVC edge banding tape. Edge band must be trimmed on edges and corners. The desk shall be Greenguard certified for low chemical emission of VOCs (Voltage Organic Compounds) and carcinogens, contributing to a healthier room environment. Valid certificate to be submitted along with the bid. Make of Plywood : Merino / Greenply / Century / Kitply. Make of Laminate & balancer : Marino / Greenlam / ASIS / Century. (2) Side frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness bolted to 25.0 mm x 50.0 mm x 1.2mm thickness tube of 890mm length by using C-clamps made up of 3.0 mm thickness sheet. Make for CRCA sheet – ESSAR / TATA / SAIL / JINDAL. Proposed desk should be RoHS certified from Intertek/UL. Valid certificate to be submitted along with the bid. (3) Seat and back rest frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness welded to MS pipe of 25.4 mm diameter x 1.2mm thickness. All 8 numbers of horizontal supports shall be made up MS tube having dimensions 25.0 mm x 25.0 mm x 1.2 mm thickness. MS tube of size 20.0 mm x 20.0 mm x 1.0 mm thickness and 100.0 mm long shall be welded to the frame to hold the horizontal supports. Raw materials of MS tubes shall be from ESSAR / TATA / SAIL / JINDAL. (4) Rectangular MS tube of dimension 50.0 mm x 25.0 mm x 1.2 mm thickness shall be closed with PPCP (Polypropylene Copolymer) cap at both the ends. Pipe diameter 25.4 mm x 1.2 mm thickness shall be closed with PPCP cap at back side and under the seat. (5) Upper modesty panel and shelf shall be made of 0.8 mm thick CRCA sheet. The dimensions for upper modesty panel shall be H 175.0 mm x W 1012.0 mm x D 23.0 mm. The dimensions of shelf shall be W 1012.0 mm X D 300.0 mm X H 23.0 mm. The shelf shall have vertical partition at the center. This partition shall be made up of square MS tube having size 25.0 mm x 25.0 mm x 1.2 mm</p>									

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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 150mm. (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. (12) The MIG / Spot welding shall be done as per technical requirement. (13) 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. (14) Adhesion test: EN ISO 2409 (2 mm).The item shall carry a warranty period of 5 (Five) years from the date of supply (Including GST)

	Dual desks Type 3	6	0	0	0	6	0		0
	Total					6	8919.18	Nos	53,515
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	78018.01	PERCENT AGE	78,018

Work Code	: 201920050404	Name of the Work	: Drinking Water Supply
Administrative Sanction No	: Proc.No: 2823020105 / MBNN / 2020-2021	Technical Sanctioned	: /21-22 No
Estimate Amount (in Rs.)	: 3,12,111/-	Work MBook Amount	: 3,54,016/- (in Rs.)

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

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	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work. [Ordinary Soil - Manual means - Upto 3m depth] (Excluding GST)								
	Cistern To Motor	1	3	0.3	0.45	0.4	0		0
	Earth Work For Hand Wash	3	1	0.6	0.6	1.08	0		0
	For Cistern Foundation	1	2.6	2.6	1.65	11.15	0		0
	For Plumbing Line From Water Source To Cistern	1	17.5	0.3	0.5	2.63	0		0
	Motor Tank Over Head Tank	1	45	0.3	0.45	6.08	0		0
	Old Sump To Motor	1	6	0.3	0.45	0.81	0		0
	Over Head Tank To Hand Wash	1	3	0.3	0.45	0.4	0		0
	Total					22.55	267.54	cum	6,033
	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)								
	At Drinking Water Platform Bottom	1	3.45	1.45	0.1	0.5	0		0
	PCC At Handwash Bottom Platform	1	6.92	3.2	0.1	2.21	0		0
	PCC Bed For Drinking Water	1	2.4	0.8	0.1	0.19	0		0
	PCC For Cistern	1	2.5	2.5	0.15	0.94	0		0
	Total					3.84	3232.72	cum	12,414
	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)								
	Impervious Coat On Slab	1	2.45	2.45	0	6	0		0
	Total					6	338.21	sqm	2,029
	Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded. (Excluding GST)								
	Beams Stirrups 8MM	10	0	0	0	10	0		0
	Cistern Slab Steel 8mm	28.6	0	0	0	28.6	0		0

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	For Hand Wash Mid Platform 8mm	33.93	0	0	0	33.93	0		0
	Tank Beams 12mm	31.68	0	0	0	31.68	0		0
	Tank Bottom Slab 10mm	37.02	0	0	0	37.02	0		0
	Tank Top Slab	36	0	0	0	36	0		0
	Total					177.23	48.41	Kgs	8,580
	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)								
	Motor To OHSR	1	60	0	0	60	0		0
	Motor To OHSR Inlet	1	3.5	0	0	3.5	0		0
	New Sump To Motor	1	7	0	0	7	0		0
	OHSR To Drinking Water Platform	1	10	0	0	10	0		0
	OHSR To Handwash	1	55	0	0	55	0		0
	Old Sump To Motor	1	9	0	0	9	0		0
	Old Sump To New Sump	1	17.5	0	0	17.5	0		0
	Total					162	123	rmt	19,926
	Supply and erecting of 1.00 HP (25 mm x 25 mm) single phase ISI Monoblock CI body motor pump set conforming to IS 9079:2002 approved make centrifugal water pump with impeller, priming funnel cork, companion metallic flanges with bolts and nuts and mounted on a common shaft of high coefficient squirrel cage induction motor totally enclosed and fan cooled tyupe suitable to operate on 230 V single phase 50 HZ , 1440 RPM AC power supply excluding suction/delivery pipe with nuts duly grouted on existing CC foundation and bolts, spring washer of requisitie size for monoblock motor and pump (Excluding GST)								
	1HP Motor	1	0	0	0	1	0		0
	Total					1	8175	Nos	8,175
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[COLUMNS] (Excluding GST)								
	Tank Columns	4	0.45	0.45	0.45	0.36	0		0
	Total					0.36	8048.6	cum	2,898

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	Brick masonry in CM (1:6) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Basement. (Excluding GST)								
	Long Walls	2	2.46	0.23	1.5	1.7	0		0
	Short Walls	2	2	0.23	1.5	1.38	0		0
	Total					3.08	4865.91	cum	14,987
	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)								
	At Handwash Platform	1	2.6	0	0.8	2.08	0		0
	Base	1	2	2	0	4	0		0
	For Bottom Supporting Walls	3	2.46	0	0.6	4.43	0		0
	For Triangle Shape	2	4.36	0	0.26	2.27	0		0
	Front Side Of Drinkling Water Platform	1	0.2	0	0.2	0.04	0		0
	Left and Right Side Walls	2	0.3	0	0.2	0.12	0		0
	Left And Right Sides OF Drinking Water Platform	2	0.6	0	0.8	0.96	0		0
	Long Walls	2	2	0	1.5	6	0		0
	Mid Slab Brick Work At Handwash	1	4.36	0	0.38	1.66	0		0
	Short Walls	2	2	0	1.5	6	0		0
	Tank Inside Plastering	2	2.5	0	1	5	0		0
	Tank Inside Short Walls	2	1	0	1	2	0		0
	Tank Long Walls	2	3	0	1.45	8.7	0		0
	Tank Short Walls	2	1.45	0	1.45	4.21	0		0
	Wall Sides	2	0.35	0	0.27	0.19	0		0
	Total					47.66	308.99	sqm	14,726
	RCM facia 50mm thick in CM(1:3) for drop walls, fins with rabbit wire mesh & nomianl reinforcement as directed by Engineer-in-charge with dubara sponge finishing, including cost and conveyance of all materials to site, operational & incidental, cost and conveyance of cement, wire mesh, water to work site, centering, scaffolding and form work, lift charges etc., complete for finished item of work but excluding cost of steel and its fabrication charges for finished item of work (Excluding GST)								
	For HandWash	1	12.1	0	0.2	2.42	0		0
	Total					2.42	1755.54	sqm	4,248

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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)									
At Drinking Water	1	2.6	0	0.8	2.08	0			0
At Drinking Water Front Side	1	2.6	0	0.25	0.65	0			0
At Drinking Water Left And Right side	2	0.38	0	0.3	0.23	0			0
At Drinking Water Taps Platform	1	2.6	0	0.55	1.43	0			0
Dadoing For Handwash Su pporting Walls	3	2.45	0	0.6	4.41	0			0
Dadoing for Mid Slab Brick Work	2	4.36	0	0.36	3.14	0			0
For Sloped Area	2	4.36	0	0.27	2.35	0			0
RCM Facia Inner	1	12.1	0	0.2	2.42	0			0
Rcm Facia Outer	1	12.6	0	0.3	3.78	0			0
Triangle Side Facings	2	0.35	0	0.27	0.19	0			0
Total					20.68	560.91	sqm		11,600
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	24	0	0	0	24	0			0
Total					24	351.76	Nos		8,442
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)									
Long Beams	2	3	0.23	0.2	0.28	0			0
Short Beams	2	1	0.23	0.2	0.09	0			0
Total					0.37	7488.87	cum		2,771

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VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick] (Excluding GST)									
Cistern Slab	1	2.45	2.45	0.1	0.6	0			0
Deduction of manhole	1	0.54	0.54	0.1	-0.03	0			0
Deduction Of Manhole At Tank Top Slab	1	0.45	0.45	0.05	-0.01	0			0
For Handwash Bottom Platform	1	6.92	3.2	0.1	2.21	0			0
For Handwash Mid Slab	1	5.05	1	0.1	0.51	0			0
Tank Bottom PPlatform Slab	1	3	1.45	0.1	0.43	0			0
Tank Top Slab	1	3	1.45	0.05	0.22	0			0
Total					3.93	7516.52	cum		29,540
Drinking water system for schools having source water TDS below 400 ppm : Type- I: Supplying and fixing of Drinking water system with the set Design, Drawing and Specifications, Cost includes loading, Transportation, supply, unloading charges etc., Erection, Commissioning, Testing including TDS range of the Purified water at the school premises, and all incidental charges, including GST etc., all other taxes and charges for complete finished item of work, with a warranty period of 05 (five) years and further extendable AMC for a period of 05(five) years on mutually agreed terms and conditions. Tank overall dimensions : 643.8mmx529.4mmx 1612.2mm (including top cover and leg). Raw water tank (40 liters capacity) : Outer size : 226.4 mm x 477.4 mm x 421.2mm. Pure water tank (60 liters capacity): Outer size : 338.4 mmx 477.4 mm x 421.2mm mm. Tank Frame : The overall Tank frame shall be made with stainless steel tube of size 25 mm x 25 mm x 1.6 mm thickness with all verticals and horizontals and also stiffeners at bottom of raw water tank & pure water tank including bottom supporting sheet of 3 mm thick.Openable Top cover of 01mm thickness with strong hinge :Top dimension size of tank SS 304 grade (643.8 mm x 529.4mmx37mm). Sink: 4 Nos. of heavy-duty taps connected to stainless steel flexible pipes from pure water tank to foot pedestal and foot pedestal to taps. Taps shall be fixed at height of 380mm from bottom sink. Water Treatment unit with UV System (with all necessary connections) : UV system with 100 LPH (Make: ALFA / Sukruth / Nexus); Dual Media Filter; (Mud) Micron filter-01. (Make: MMP / Pratham Ionflow/Global absorbent); DC Pump - 12 - 24W; booster pump 0.5 hp; Socket - 01 No; Battery-12V-7ah [one(01)- in number with all CHARGEABLE ACEESSORIES; optimum rating. One TDS meter. The entire tank should be covered with stainless steel sheet of 1.0 mm thick of 304 grade, all-round 03 sides of tank unit including off-sets etc., and the Back door shall be made up of 1.20mm thick SS 304 grade complete with stiffeners of 12mm x 12mm x 1.5mm thickness. Top and Back panel shall be openable with locking system. 4 Nos. of 150mm height legs should be provided. Pedal push heavy duty taps shall be provided; All the pipes used are SS 304 Except the Drain pipe from dispenser , which can be UPVC of 40mm dia. (Excluding GST)									
Drinking Water Platform	0	0	0	0	0	0			0

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	Total					0	65373	Nos	0
	<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>								
	Drinking Water Unit Type III B	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)								

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Brick Masonry On Hand wash Mid Slab	1	4.36	0.32	0.38	0.53	0		0
Brick Work At Left And Right	2	0.6	0.12	0.6	0.08	0		0
Brickwork In Drinking Water Bottom Platform	1	2.6	0.12	0.55	0.17	0		0
Handwash Bottom Supporting Walls	3	1	0.23	0.8	0.55	0		0
Tank Long Walls	2	3	0.23	1	1.38	0		0
Tank Short Walls	2	1	0.23	1	0.46	0		0
Top Triangle Shape	1	4.36	0.35	0.27	0.41	0		0
Total					3.58	5208.39	cum	18,646
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)								
Drinking Water Platform Trench	1	2.4	1.45	0.3	1.04	0		0
Filling Of Selected In Drinking Water Trenches	1	2.4	0.5	0.5	0.6	0		0
For Handwash Platform Trench	1	6.3	2.9	0.15	2.74	0		0
Total					4.38	423.7	cum	1,856
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)								
At Drinking Water Platform	1	3.45	1.45	0	5	0		0
Deduction Of Supporting Walls	3	1	0.23	0	0.69	0		0
Drinking Water Platform	1	2.4	0.3	0	0.72	0		0
Handwash Bottom Platform	1	6.92	3.2	0	22.14	0		0
Total					28.55	718.28	sqm	20,507

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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)								
	At Drinking Water platform	1	3.5	0.3	0.3	0.32	0		0
	For Hand Wash Basement	2	1	0.45	0.6	0.54	0		0
	Hand Wash Platform Allaround	1	6.92	0.3	0.25	0.52	0		0
	Left And Right Side Platform	2	2.9	0.3	0.25	0.43	0		0
	Short walls	2	1.45	0.3	0.3	0.26	0		0
	Total					2.07	3213.64	cum	6,652
	Supply and Transportation of 1.5 HP Single phase Mono block CI body motor pumpset confirms to IS 9079:2002 etc., completed finished item of work Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi / Havells Hi-flow V2 / PSG/Aryen Varsha (Excluding GST)								
	Motor	0	0	0	0	0	0		0
	Total					0	9600	Nos	0
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	23283.56	PERCENT AGE	23,284

Work Code : 201920056744

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

Administrative Sanction No : Proc.No: 2823020105 / MBNN / 2020-2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 1,17,839/-

Work MBook Amount : 1,25,909/- (in Rs.)

Date of Measure ment	Description of Item	Measurement upto date	Total Quantity	Rate	Units	Total Value of work done
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	No	L	B	D				
Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
PVC Pipes	1	100	0	0	100	0		0
Total					100	71.44	mtr	7,144
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)								
Copper Wire	0	0	0	0	0	0		0
Total					0	18.62	mtr	0
Supply and run of 2 of 36/0.3mm (2.5 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete. (Excluding GST)								
Copper Cable for Run of Mains	0	0	0	0	0	0		0
Total					0	64.93	mtr	0
Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete for Light, Fan, Exhaust Fan etc., complete. (Excluding GST)								
Fan Points	20	0	0	0	20	0		0
Light Points	20	0	0	0	20	0		0
Street Light Points	4	0	0	0	4	0		0
Total					44	611.17	Nos	26,891
Supply and fixing of 6A 3 pin wall plug socket with a 6A switch control on a common switch board with earth continuity including wire leads, earth connections along with all labour charges etc., complete. (Excluding GST)								
6A 3 pin Sockets	5	0	0	0	5	0		0
Total					5	108.34	Nos	542
Supply and Fixing of 16A/6A, 2 in one socket with 16A switch control modular type with MS flush boxes with front cover plate including all labour charges etc., complete (Excluding GST)								
16A Socket	6	0	0	0	6	0		0
Total					6	434.34	Nos	2,606
Supply and Fixing of 20A, 2 in one socket with 20A switch control modular type with MS flush boxes with front cover plate including all labour charges etc., complete (Excluding GST)								
20A Switches	10	0	0	0	10	0		0
Total					10	439.35	Nos	4,394

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	Supply, Transportaton, and fixing of 20W, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., completes including all labour charges and conveyance of all materials etc complete with with flexible wire and connections. (Excluding GST)								
	Tube Light Set	20	0	0	0	20	0		0
	Total					20	867.5	Nos	17,350
	Supply and transportation of 60 W LED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass (Excluding GST)								
	LED Street light Luminaire	3	0	0	0	3	0		0
	Total					3	5900	Nos	17,700
	Supply and fixing of1 Module Modular type Electronic step type Fan Regulator. in the existing switch board. (Excluding GST)								
	Fan Regulator	20	0	0	0	20	0		0
	Total					20	365	Nos	7,300
	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
	(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)								
	Crompton Greaves	20	0	0	0	20	0		0
	Total					20	1440	Nos	28,800
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	10404.52	PERCENT AGE	10,405

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Work Code : 201920071938 Name of the Work : Construction of Toilet with Running Water

Administrative Sanction No : Proc.No: 2823020105 / MBNN / 2020-2021 Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 5,00,731/- Work MBook Amount : 4,85,234/- (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)								
	Septic Tank	1	3.8	1.85	1.5	10.54	0		0
	Sockpit	1	3.14	0.36	1.5	1.7	0		0
	Toilet Block Long Walls	3	7.92	0.6	0.7	9.98	0		0
	Toilet Block Low Depth Walls	2	0.9	0.6	0.5	0.54	0		0
	Toilet Block Short Walls	8	0.9	0.6	0.7	3.02	0		0
	Total					25.78	267.54	cum	6,897
	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)								
	At Boys Toilet Individual Room	1	1.38	1.1	0.2	0.3	0		0
	At Doors	2	0.73	0.25	0.1	0.04	0		0
	At Doors	4	0.73	0.25	0.2	0.15	0		0
	At Girls Toilet Individual Rooms	1	1.38	1.1	0.1	0.15	0		0
	At Hand Wash	1	2.27	1.37	0.2	0.62	0		0
	At Handwash	1	4.75	2.25	0.1	1.07	0		0
	Room 2	1	1.38	1	0.2	0.28	0		0
	Room 3	2	1.38	0.95	0.2	0.52	0		0
	Room2	1	1.38	0.93	0.1	0.13	0		0

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	Septic Tank	1	3.55	1.85	0.1	0.66	0		0
	Toilet Block Long Walls	3	7.92	0.6	0.1	1.43	0		0
	Toilet Block Short Walls	8	0.9	0.6	0.1	0.43	0		0
	Total					5.78	3232.72	cum	18,685
	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)								
	Filling In Trenches	1	7.2	2.8	0.3	6.05	0		0
	Total					6.05	29.54	cum	179
	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)								
	Partition Walls	2	1.1	0.25	0.8	0.44	0		0
	Septic Tank long walls	2	3	0.25	1.4	2.1	0		0
	Septic Tank Short Walls	2	1.1	0.25	1.4	0.77	0		0
	Toilet Block Long Walls	3	7.9	0.45	0.6	0	0		0
	Toilet Block Short Walls	10	0.9	0.45	0.5	2.02	0		0
	Total					5.33	3213.64	cum	17,129
	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)								
	Long Beams	3	7.8	0.23	0.23	1.24	0		0
	Short Beams	10	1.38	0.23	0.23	0.73	0		0
	Total					1.97	8531.6	cum	16,807
	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)								
	Impervious Coat On Slab	1	8.4	4.1	0	34.44	0		0
	Total					34.44	338.21	sqm	11,648
	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)								

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	Deduction Of Back Side Ventilators At Girls Toilet	4	0.95	0.23	0.3	-0.26	0		0
	Deduction Of Backside Ventilator At Boys Toilet	2	0.95	0.23	0.3	-0.13	0		0
	Deduction Of Front Long Windows	1	2.1	0.23	0.3	-0.14	0		0
	Deduction Of Front Short Window	1	1	0.23	0.3	-0.07	0		0
	Deduction Of Inner Doors In Boys Toilet	2	0.73	0.23	2	-0.67	0		0
	Deduction Of Inner Doors In Girls Toilet	4	0.73	0.23	2	-1.34	0		0
	Deduction Of Inner Ventilators At Boys Toilet	1	2.2	0.23	0.3	-0.15	0		0
	Deduction Of Inner Ventilators At Ladies Toilet	4	0.98	0.23	0.3	-0.27	0		0
	Deduction Of Left And Right Side Doors	2	0.89	0.23	1.8	-0.74	0		0
	Deduction of Short Ventilator	1	0.95	0.23	0.3	-0.07	0		0
	Long Walls	3	7.8	0.23	2.4	12.92	0		0
	Short Walls	10	1.38	0.23	2.4	7.62	0		0
	Total					16.7	5208.39	cum	86,980
	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)								
	Deduction Of Back Side Ventilators At Boys Toilet	2	0.95	0	0.3	0.57	0		0
	Deduction Of Back Side Ventilators At Girls Toilet	4	0.95	0	0.3	-1.14	0		0
	Deduction Of Doors	2	0.9	0	1.8	-3.24	0		0
	Deduction Of Front Short Windows	1	1	0	0.3	-0.3	0		0
	Deduction Of Long Windows	1	2.1	0	0.3	-0.63	0		0

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	Deduction Of Ventilator	1	0.95	0	0.3	-0.28	0		0
	Front And Back Top Slab Projection Plastering	2	8.4	0	0.15	2.52	0		0
	Left And Right Side Top Slab Plastering	2	4.1	0	0.15	1.23	0		0
	Toilet Block External Painting	2	7.82	0	2.4	37.54	0		0
	Toilet Block Left And Right Side Walls	2	3.52	0	2.4	16.9	0		0
	Total					53.17	316.03	sqm	16,803
	Plastering with CM (1:5) Single Coat, 12mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								
	Boys Toilet Hand Wash Corridor Front And Back	2	1.38	0	2.3	6.35	0		0
	Boys Toilet Partition Rooms	1	4.62	0	2.3	10.63	0		0
	Deduction Of Doors	4	0.73	0	2	-5.84	0		0
	Deduction Of Doors	2	0.73	0	2	-2.92	0		0
	Deduction Of Large Ventilator	1	2.1	0	0.3	0.63	0		0
	Deduction Of Left Side Door	4	0.73	0	2	-5.84	0		0
	Deduction Of Left Side Ventilators	4	0.98	0	0.3	-1.18	0		0
	Deduction Of Leftside Short Ventilator	1	0.95	0	0.3	-0.28	0		0
	Deduction Of Main Gate	1	0.9	0	1.8	-1.62	0		0
	Deduction Of Main Gate	1	0.9	0	1.8	-1.62	0		0
	Deduction Of Right Side Doors	2	0.73	0	2	-2.92	0		0
	Deduction Of Right Side Long Ventilator	1	2.1	0	0.3	-0.63	0		0
	Deduction Of Right Side Short Ventilator	1	0.95	0	0.3	0.28	0		0
	Deduction Of Right Side Ventilators	1	2.2	0	0.3	-0.66	0		0

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	Deduction Of Small Ventilator	1	0.93	0	0.3	-0.28	0		0
	Girls Toilet Handwash Corridor Front And Back Walls	2	1.38	0	2.3	6.35	0		0
	Girls Toilet Partition Rooms	1	5	0	2.3	11.5	0		0
	Left And Right Side Walls	2	4.75	0	2.3	21.85	0		0
	Left and Right Side Walls	2	2.27	0	2.3	10.44	0		0
	Partition Walls	2	1.1	0	0.8	1.76	0		0
	Room 2	1	4.8	0	2.3	11.04	0		0
	Room 3	1	4.7	0	2.3	10.81	0		0
	Room2	1	4.94	0	0.3	1.48	0		0
	Septic Tank Long Walls Plastering	2	3	0	1.4	8.4	0		0
	Short Walls	2	1.1	0	1.4	3.08	0		0
	Ventilator 2	1	0.95	0	0.3	0.28	0		0
	Total					81.09	110.81	sqm	8,986
	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)								
	At Door	1	0.73	0.25	0	0.18	0		0
	At Door	1	0.73	0.25	0	0.18	0		0
	At Door	1	0.73	0.25	0	0.18	0		0
	At Door	1	0.73	0.25	0	0.18	0		0
	At Door	1	0.73	0.25	0	0.18	0		0
	At Door	1	0.73	0.25	0	0.18	0		0
	At Room 2	1	1	1.68	0	1.68	0		0
	At Room3	1	0.95	1.68	0	1.6	0		0
	Boys Toilet Handwash Corridor Front And Back	1	2.27	1.38	0	3.13	0		0
	Room 2	1	1.1	1.37	0	1.51	0		0
	Room 4	1	0.95	1.38	0	1.31	0		0

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	Room1	1	0.93	1.68	0	1.56	0		0
	Room1	1	1.1	1.68	0	1.85	0		0
	Total					13.72	718.28	sqm	9,855
	Dadoing to walls with ISO accerdiate glazed red or white full body ceramic wall tiles of make as approved by engineer -in - charge of site not less than 300 x 450 mm / 320 mm x 400 mm set over base coat 12mm thick CM (1:3) base over coat and neat grey cement slurry of honey likr consistency spread at the rate of 3.3 kgs per sqm and jointed with white cement paste mixed with pigment of matching shade to matching shade to match the shade of tiles including cost and of all materials and water to work site, including cost of seigniorage charges on all materials and all operational incidental and labour charges such as mixing mortar fixing in postion including lift charges curing etc completed for work . (Excluding GST)								
	Boys Toilet Partition Room	1	3.9	0	1.45	5.65	0		0
	BoysToilet Handwash	2	1.38	0	1.46	4.03	0		0
	Deduction of doors at left and Right Side Walls	2	0.73	0	1.46	-2.13	0		0
	Deduction of left side Doors	4	0.73	0	1.48	-4.32	0		0
	Deduction Of Main Gate	1	0.9	0	1.48	-1.33	0		0
	Deduction of Main Gate	1	0.9	0	1.46	-1.31	0		0
	Girls Toilet Partition	1	2.8	0	1.32	3.7	0		0
	Left And Right Side Walls	2	4.75	0	1.48	14.06	0		0
	Left And Right Side Walls	2	2.27	0	1.46	6.63	0		0
	Room 3	1	2.65	0	1.3	3.44	0		0
	Room 4	1	3.9	0	1.47	5.73	0		0
	Room2	1	2.7	0	1.27	3.43	0		0
	Room2	1	2.75	0	1.3	3.58	0		0
	Wall 2	1	1.27	0	1.5	1.91	0		0
	Wall2	1	1.3	0	1.45	1.89	0		0
	Wall2	1	1.25	0	1.5	1.88	0		0
	Wall2	1	1.4	0	1.5	2.1	0		0
	Total					48.94	560.91	sqm	27,451
	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)								
	Grilled Doors And Windows	599.31	0	0	0	599.31	0		0

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	Total					599.31	70.08	Kgs	42,000
	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)								
	Toilet Block WPC Doors	6	0.73	0	2	8.76	0		0
	Total					8.76	3030	sqm	26,543
	Painting to New walls with two coats of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor INTERNAL Make : Asian, Burger, Nerolac (Excluding GST)								
	Toilet Block Internal Walls	1	30	0	1	30	0		0
	Total					30	121.78	sqm	3,653
	Painting to New walls with two coats of acrylic emulsion paint weather proof waterbased, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor EXTERNAL (Excluding GST)								
	Toilet Block External Walls	1	53	0	1	53	0		0
	Total					53	219.04	sqm	11,609
	Painting to new Iron work with Two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade over base coat of Red Oxide primer thouroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, all operational, incidental and labour charges etc., complete for finished item of work. (Excluding GST)								
	Ventilators	1	50	0	1	50	0		0
	Total					50	122.74	sqm	6,137
	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)								
	Distribution Bars 8mm	89.58	0	0	0	89.58	0		0
	Long Beams 12mm	81.84	0	0	0	81.84	0		0
	Main Bars 10 mm	139.1	0	0	0	139.1	0		0
	Partition Beams 12mm	25.34	0	0	0	25.34	0		0
	Short Beams 12mm	36.96	0	0	0	36.96	0		0

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	Stirrups 8mm	55.45	0	0	0	55.45	0		0
	Stirrups 8mm	24.52	0	0	0	24.52	0		0
	Stirrups 8mm	12.79	0	0	0	12.79	0		0
	Total					465.58	48.41	Kgs	22,539
	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)								
	Waste Water Pipe	1	24	0	0	24	0		0
	Total					24	89.1	rmt	2,138
	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)								
	Toilet To Septic Tank Connecting Pipe	1	20	0	0	20	0		0
	Total					20	169.13	rmt	3,383
	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)								
	CPVC Pipes for Toilets	1	30	0	0	30	0		0
	Total					30	123	rmt	3,690
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick] (Excluding GST)								
	Vrcc For Toilet Slab	1	8.4	4.1	0.12	3.96	0		0
	Total					3.96	7516.52	cum	29,765

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Supply and fixing of white glazed flat back bowl urinals of size 590 x 375 x 390 mm with internal rim flushing mm fixied with screws complete inidan make (Parry/Neycer/Hindware/CERA) conforming to IS 2556 -1995 as approved be Engineer - in - charge 12.7 mm PVC connection with brass plumber union nuts CM Coated. including 12.70 mm push cock 1st qulaity of approved make including supply & fixing 31.75 m dia PVC flexible waser pipe of 914.40 mm lenglth of 1st including cost and conveyance of all materials to site labour charges etc., complete for finished item of work for all floors (Excluding GST)									
Flat back bowl urinals	3	0	0	0	3	0			0
Total					3	2647	Nos		7,941
Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors for 400 Grams (Excluding GST)									
NP bib taps of size 12.70mm for Toilet	8	0	0	0	8	0			0
NP bib taps of size 12.70mm for Washing Cistern	4	0	0	0	4	0			0
Total					12	351.76	Nos		4,221
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)									
Electrical Pipes In Toilet	1	25	0	0	25	0			0
Total					25	71.44	mtr		1,786
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)									
Light Points	9	0	0	0	9	0			0
Total					9	611.17	Nos		5,501
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)									
Electrical Wire	1	0	0	0	0	0			0
Total					0	64.93	mtr		0
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)									
Electrical Wire	1	0	0	0	0	0			0
Total					0	18.62	mtr		0

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	Supply, Transportaton, and fixing of 20W, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., completes including all labour charges and conveyance of all materials etc complete with with flexible wire and connections. (Excluding GST)								
	Tube Light Set	3	0	0	0	3	0		0
	Total					3	867.5	Nos	2,603
	Supply and Fixing of batten holder/angle holder on existing block with 7.0W LED bulb and all labour charges etc., complete. In lieu of ceiling rose. (Excluding GST)								
	Holders with Bulb	6	0	0	0	6	0		0
	Total					6	209.75	Nos	1,259
	Labour charges only for fixing European Water Closet with P or S trap as per standard practice (BMW- D.15) (Excluding GST)								
	Labour Charges	2	0	0	0	2	0		0
	Total					2	264	Nos	528
	Supplying white glazed flat back Bowl urinalsof 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. (Excluding GST)								
	Flat back Urina	3	0	0	0	3	0		0
	Total					3	712.72	Nos	2,138
	Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete (BMW-D.36) (Excluding GST)								
	Fixing Of Urinals	0	0	0	0	0	0		0
	Total					0	127	Nos	0
	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)								
	Hand Wash Basin	5	0	0	0	5	0		0
	Total					5	319	Nos	1,595
	(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)								

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	EWC	2	0	0	0	2	0		0
	Total					2	7600	Nos	15,200
	(CERA Sanitaryware Ltd) Supplying of white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete. Indian make : 590 x 375 x 390 mm including cost and conveyance of all materials and all labour charges like loading, unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	Urinals	3	0	0	0	3	0		0
	Total					3	2277.07	Nos	6,831
	(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)								
	Handwash Basin	6	0	0	0	6	0		0
	Total					6	1478.17	Nos	8,869
	(CERA Sanitaryware Ltd) Supply of Orissa Pan white glazed W.C 1st quality conforming to IS:2556-Part-3-1981 with P or S trap: 510 x 400 mm Long including cost and conveyance of all materials : White Coloured including cost and conveyance of all materials and all labour charges like loading, unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	Orissa Pan	4	0	0	0	4	0		0
	Total					4	1185	Nos	4,740
	Painting to Iron work with Red Oxide primer thoroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, all operational, incidental and labour charges etc., complete for finished item of work. (Excluding GST)								
	Painting To Grills	0	0	0	0	0	0		0
	Total					0	43.62	sqm	0
	Supply and run of 1 of 2.5 sq.mm (phase neutral and earth) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable in existing MS conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards. (Excluding GST)								
	From Building To Toilet	2	15	0	0	30	0		0
	Total					30	32.52	rmt	976
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								

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	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	48170.78	PERCENT AGE	48,171

Work Code	: 201920075066	Name of the Work	: Major and Minor Repairs
Administrative Sanction No	: Proc.No: 2823020105 / MBNN / 2020-2021	Technical Sanctioned	: /21-22 No
Estimate Amount (in Rs.)	: 8,41,567/-	Work MBook Amount	: 7,95,468/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads & contractor profit etc., complete [Kadapa slabs or shahabad stone slabs on sand bed] (Excluding GST)								
	At Door Step	2	1	0.25	0	0.5	0		0
	Building 2 Front Corridor	1	13.32	1.82	0	24.24	0		0
	Building 2 Left Side Room	1	6.05	4.8	0	29.04	0		0
	Building 2 Right Side	1	6.05	4.8	0	29.04	0		0
	Deduction Columns	5	0.3	0.3	0	-0.45	0		0
	Total					82.37	6.6	Sqm	544
	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[Exceeding 3 sqm] (Excluding GST)								
	Wooden Doors	2	0	0	0	2	0		0
	Wooden Windows	15	0	0	0	0	0		0
	Total					2	207.85	Nos	416

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	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)								
	Buiding 2 Corridor	1	13.32	1.82	0.15	3.64	0		0
	Building 2 Left Side Room	1	6.05	4.8	0.15	4.36	0		0
	Building 2 Right Side Room	1	6.05	4.8	0.15	4.36	0		0
	Deduction Of Columns	5	0.3	0.3	0.15	-0.07	0		0
	Total					12.29	152.88	cum	1,879
	Plain Cement Concrete (1:5:10) M5 grade using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work (Excluding GST)								
	At Door Step	2	1	0.25	0.1	0.05	0		0
	Building 2 Front Corridor	1	13.32	1.82	0.1	2.42	0		0
	Building 2 Left Side Room	1	6.05	4.8	0.1	2.9	0		0
	Building 2 Right Side Room	1	6.05	4.8	0.1	2.9	0		0
	Deduction Of Columns	5	0.3	0.3	0.1	-0.04	0		0
	Total					8.23	3104.23	cum	25,548
	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)								
	RR For Stage	2	5	0.45	1.05	4.73	0		0
	Short Walls	2	4	0.45	1.05	3.78	0		0
	Total					8.51	3213.64	cum	27,348
	Plastering with CM(1:4) Prop: 12mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work Over Brick Masonry. (APSS 901,906) (Excluding GST)								
	1.Steps At Block 2 And HM Room,Step 1	1	4.9	0	0.45	2.21	0		0
	10.Center Step	1	0.9	0	0.15	0.14	0		0
	11.Top Step	1	0.6	0	0.15	0.09	0		0
	12.Top Step	1	0.3	0	0.15	0.04	0		0
	2.Step 2	1	4.6	0	0.45	2.07	0		0

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	3. Step 3	1	4.32	0	0.45	1.94	0		0
	4. Step 4	1	3.98	0	0.45	1.79	0		0
	5. Building 2 And Building 3 , Step 1	1	4.1	0	0.45	1.84	0		0
	6. Step 2	1	3.8	0	0.45	1.71	0		0
	7. Step 3	1	3.35	0	0.45	1.51	0		0
	8. Step 4	1	3.08	0	0.45	1.39	0		0
	9. Steps Sides Top	1	1.2	0	0.15	0.18	0		0
	Total					14.91	234.69	sqm	3,499
	Plastering with CM(1:4) Prop: 20mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work Over RR Masonry. (APSS 901,906) (Excluding GST)								
	Stage Long Walls	2	5	0	0.6	6	0		0
	Stage Short Walls	2	4	0	0.6	4.8	0		0
	Total					10.8	249.61	sqm	2,696
	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. Steps Between Block 2 And HM Room	1	4.9	1.2	0.15	0.88	0		0
	2. Step 2	1	4.6	0.9	0.15	0.62	0		0
	3. Step 3	1	4.3	0.6	0.15	0.39	0		0
	4. Step 4	1	3.98	0.3	0.15	0.18	0		0
	5. Between Building 2 And Building 3	1	4.1	1.2	0.15	0.74	0		0
	6. Step 2	1	3.8	0.9	0.15	0.51	0		0
	7. Step 3	1	3.38	0.6	0.15	0.3	0		0
	8. Step 4	1	3.05	0.3	0.15	0.14	0		0
	Total					3.76	5208.39	cum	19,584
	Masonry work in CM (1:8) prop with Flyash Cement solid blocks of size 290 x 225 x 140 mm for manufacturing of flyash solid blocks using flyash of 50 Kgs / Sqcm including cost and conveyance of all materials, labour charges, scaffolding and curing etc., complete with a compressive strength not less than 50 kg/sqm for walls for Superstructure walls. (Excluding GST)								
	At Building 4	2	0.4	0.15	1.5	0.18	0		0
	At HM Room Corridor	2	0.4	0.15	1.4	0.17	0		0

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Brick Work At Door	1	0.43	0.15	2.3	0.15	0		0
Brick Work At Door Entrance	1	0.4	0.15	2.3	0.14	0		0
Brick Work At Room No.4	1	2.9	0.15	0.9	0.39	0		0
Corridor Wall	1	1.8	0.15	2	0.54	0		0
Corridor Wall At Door	1	0.4	0.15	2	0.12	0		0
Fileracks At Hm Room	3	0.4	0.15	2	0.36	0		0
Hm Room Corridor Brick Work	1	1.05	0.15	0.9	0.14	0		0
Pathway Side Walls	1	210	0.15	0.2	6.3	0		0
Wall1	1	2.85	0.15	0.9	0.38	0		0
Wall1 1	1	1.1	0.15	0.9	0.15	0		0
Total					9.02	5102.57	cum	46,025
Plastering with CM 2 coats, 12mm thick, base coat in CM (1:5), 8mm thick and top coat in CM (1:3), 4mm thick with water proof Compound manufactured by reputed manufacturers as approved by engineering incharge at 1kg per 1 bag of cement including sponze finishing and cost and conveyance of all materials and all labour charges etc., complete for external walls [Flyash Bricks]. (Excluding GST)								
At Building 4	2	1	0	1.4	2.8	0		0
At Door Entrance	1	0.43	0	4.6	1.98	0		0
At Door Entrance	1	0.4	0	4.6	1.84	0		0
At HM Room Corridor	2	1	0	1.4	2.8	0		0
At Hm Room File Racks	3	1	0	2	6	0		0
At Room NO 4	2	2	0	0.15	0.6	0		0
Long Wall	1	2.92	0	1.95	5.69	0		0
Long Wall	1	2.85	0	2	5.7	0		0
Pathway Side Walls Plastering	1	210	0	0.55	115.5	0		0
Plastering Work At Hm Room Corridor	1	1.04	0	2	2.08	0		0
Short Wall	1	1.8	0	4.15	7.47	0		0
Short Wall	1	1.12	0	1.95	2.18	0		0
Small Walls At Door	2	2.3	0	0.15	0.69	0		0
Wall At Door Entrance	1	0.4	0	4.6	1.84	0		0
Total					157.17	306.78	sqm	48,217

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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)									
Grills at Hm Room Corridor And Building 4 Corridor	445	0	0	0	445	0			0
Total					445	70.08	Kgs		31,186
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)									
Flooring Beside HM Room	1	5.7	5.68	0	32.38	0			0
Small Portion	1	3.9	1.5	0	5.85	0			0
Total					38.23	670.44	sqm		25,631
Providing skirting to internal walls to 15 cm height/ risers of steps with vitrified tiles length equal to flooring stones set over base coat of CM (1:5) 12 mm thick with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointed with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., complete for finished item of work. (Excluding GST)									
Building 2 Front Corridor	1	13.3	0	0.1	1.33	0			0
Building 2 Left Side Room	2	6.1	0	0.1	1.22	0			0
Building 2 Right Side Room	2	6.1	0	0.1	1.22	0			0
Building 2 Right Side Room Small Walls	2	4.8	0	0.1	0.96	0			0
Deduction Of Door	1	1	0	0.1	-0.1	0			0
Deduction Of Door	1	1	0	0.1	-0.1	0			0
Deduction Of Doors	1	1	0	0.1	0.1	0			0
For Columns	5	0.9	0	0.1	0.45	0			0
Small Wall	2	4.8	0	0.1	0.96	0			0
Total					6.04	758.06	sqm		4,579
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)									

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1.Steps Between Block 2 And HM Room ,Top Step Tread	1	4.9	0.4	0	1.96	0		0
10.Step 2 Riser	1	4.6	0.15	0	0.69	0		0
11.Step 3 Riser	1	4.3	0.15	0	0.64	0		0
12.Step 4 Riser	1	3.98	0.15	0	0.6	0		0
13.Step 1 Riser	1	4.1	0.15	0	0.61	0		0
14.Step 2 Riser	1	3.8	0.15	0	0.57	0		0
15.Step 3 Riser	1	3.38	0.15	0	0.51	0		0
16.Step 4 Riser	1	3.08	0.15	0	0.46	0		0
2.Tread 2	1	4.6	0.3	0	1.38	0		0
3.Tread 3	1	4.3	0.3	0	1.29	0		0
4.Tred 4	1	3.98	0.3	0	1.19	0		0
5.Building 2 And Building 3 ,Step 1	1	4.1	0.4	0	1.64	0		0
6.Step 2 Tread	1	3.8	0.3	0	1.14	0		0
7.Step 3 Tread	1	3.38	0.3	0	1.01	0		0
8.Step 4 Tread	1	3.08	0.3	0	0.92	0		0
9.Step 1 Riser	1	4.9	0.15	0	0.73	0		0
Building 2 Corridor	1	13	1.82	0	23.66	0		0
Building 2 Left Side Room	1	6.05	4.8	0	29.04	0		0
Building 2 Right Side Room	1	6.05	4.8	0	29.04	0		0
Deduction Of Columns	5	0.3	0.3	0	-0.45	0		0
Total					96.63	1999.85	sqm	1,93,246
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 spread at 3.3 kgs of cement for 1 sqm. and jointed with neat cement paste to full depth, including cost and conveyance of all materials like cement, sand, water, flooring stones etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as dressing of flooring stones to the required sizes, mixing of cement mortar, laying, jointing, curing, lift charges etc., complete for finished item of work. (Excluding GST)								
Between Building3 And Building4	1	10	1	0	10	0		0
Building 2 To Building 4 Center	1	14	1.8	0	25.2	0		0

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	Center Of Path Way	1	3.5	2.08	0	7.28	0		0
	HM Office To Building 2	1	7.5	1.65	0	12.38	0		0
	HM Room To Parking Place Junction	1	18.2	3.3	0	60.06	0		0
	Infront Of Boys Toilet	1	3.4	2.65	0	9.01	0		0
	Infront Of Building	1	3.5	1.25	0	4.38	0		0
	Infront Of Building 2	1	13	1.95	0	25.35	0		0
	Infront Of Building 3	1	2.95	2.4	0	7.08	0		0
	Infront Of Building 4	1	6.3	1.1	0	6.93	0		0
	Infront Of Girls Toilet	1	3.35	2.05	0	6.87	0		0
	Main Gate To Open Space	1	24	4.4	0	105.6	0		0
	New Toilets To Old Toilet	1	16.1	1.5	0	24.15	0		0
	T Junction To Handwash Junction	1	8.75	1.8	0	15.75	0		0
	To Handwash	1	2.8	2.95	0	8.26	0		0
	Total					328.3	775.98	sqm	2,54,754
	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)								
	Building 2 To Building 4 Center	1	14	1.8	0.15	3.78	0		0
	Center Of Pathway	1	3.5	2.08	0.15	1.09	0		0
	HM Office To Building 2	1	7.5	1.65	0.1	1.24	0		0
	Hm Room To Parking Place Junction	1	18.2	3.3	0.1	6.01	0		0
	Infront Of Boys Toilet	1	3.4	2.65	0.05	0.45	0		0
	Infront of Building	1	3.5	1.25	0.05	0.22	0		0
	Infront Of Building 2	1	13	1.95	0.05	1.27	0		0
	Infront Of Building 3	1	2.95	2.4	0.1	0.71	0		0
	Infront Of Building 4	1	6.3	1.1	0.1	0.69	0		0
	Infront Of Girls Toilet	1	3.35	2.05	0.1	0.69	0		0
	Junction To Handwash Junction	1	8.75	1.82	0.1	1.59	0		0
	Main Gate To Open Space	1	24	4.4	0.15	15.84	0		0

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	New Toilets To Old Toilet	1	16.1	1.5	0.05	1.21	0		0
	To Handwash	1	2.8	2.95	0.05	0.41	0		0
	Total					35.2	423.7	cum	14,914
	Half Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same (Excluding GST)								
	Grinding At Steps	1	32	0	0	32	0		0
	Total					32	318	rmt	10,176
	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	85228.76	PERCENT AGE	85,229

Work Code : 201920084142

Name of the Work : Paintings to School

Administrative Sanction No : Proc.No: 2823020105 / MBNN / 2020-2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 2,96,246/-

Work MBook Amount : 1,39,900/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Removing White wash or Colour wash by steel wire brushing and/or scraping; sand papering and preparing the ceiling and/or sloping roofs surface smooth including necessary repairs to scratches complete. (Excluding GST)								
	Toilet Block Internal	0	0	0	1	0	0		0
	Total					0	0	sqm	0

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Painting to New walls with two coats of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor INTERNAL Make : Asian, Burger, Nerolac (Excluding GST)								
Building 1	1	115	0	1	115	0		0
Total					115	0	sqm	0
Painting to New walls with two coats of acrylic emulsion paint weather proof waterbased, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor EXTERNAL (Excluding GST)								
Building 2 External	1	110.36	0	1	110.36	0		0
Total					110.36	0	sqm	0
Grills and Gates (iron Doors, Windows, Gates, Grills etc.) with primary coat of Red oxide : - 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 (Excluding GST)								
Grilled Doors And Windows	1	0	0	0	0	0		0
Total					0	90.01	Sqm	0
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 (Excluding GST)								

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	Wall Arts	1	27	0	1	27	0		0
	Total					27	376	Sqm	10,152
	(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)								
	Building 1 Internal	1	116	0	1	116	0		0
	Building 2	1	143	0	1	143	0		0
	Building 3	1	93	0	1	93	0		0
	Building 4	1	126	0	1	126	0		0
	Toilet Block	1	26	0	1	26	0		0
	Total					504	87.03	Sqm	43,863

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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)									
Building 1 External Painting	1	153	0	1	153	0			0
Building 2 External Painting	1	110	0	1	110	0			0
Building 3 External Painting	1	108	0	1	108	0			0
Building 4 External Painting	1	114	0	1	114	0			0
Toilet Block External Painting	1	52	0	1	52	0			0
Total					537	85.02	Sqm		45,656

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(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)									
Wooden Doors And Windows	1	40.86	0	1	40.86	0			0
Total					40.86	96.02	Sqm		3,923
(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)									
Grills And Doors	1	25.11	0	1	25.11	0			0
MS Sheets	1	52.4	0	1	52.4	0			0
Total					77.51	90.01	Sqm		6,977
(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)									
Building 1	1	67	0	1	67	0			0
Building 2	1	118	0	1	118	0			0
Building 3	1	51	0	1	51	0			0
Building 4	1	62	0	1	62	0			0
Toilets	1	27	0	1	25	0			0
Total					323	87.03	Sqm		28,111
Provision for GST @ 12.00%									

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	Provision for GST	1	0	0	0	1	0		0
	Total					1	1218.24	PERCENT AGE	1,218

**Signature of Engineering
Assistant**

**Signature of FE/AE/AEE
U SRINIVAS**

**Signature of Deputy Executive Engineer
Cherreddi Naveenkumar**

**Signature of Executive Engineer
Kandepu Kedareswara Rao**