

మన బడి నాడు-నేడు

Measurement Book No : 28236000207001

District Name	:	CHITTOOR
Mandal Name	:	PEDDAPANJANI
Village Name	:	KARASANAPALLE
Name of the Executing Agency	:	Panchayat Raj
Name of School	:	MPUPS KATHARLAPALLI
U-Dise Code	:	28236000207
Technical Sanctioned Amount	:	2987310
Admin Sanctioned Amount	:	2987310
Total Expenditure	:	2912169

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Abstract

U-Dise Code : 28236000207
Technical Sanctioned Amount : 2987310
Admin Sanctioned Amount : 2987310
Total Expenditure : 2912169
MBook Number : 28236000207001

Work Code	Work type name	Estimated Cost	Value of work done
201920012606	English Labs	40000	41439
201920039611	Green Chalk Board	72165	72093
201920039677	Furniture for Students and Staff	503388	209983
201920040492	Providing Electrification with Fans and Tube Lights	180608	170610
201920040561	Drinking Water Supply	438868	304346
201920041908	Paintings to School	337658	186909
201920041983	Major and Minor Repairs	1180470	1499687
201920042130	Construction of Toilet with Running Water	470923	427101
	Total	3224080	2912169

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 : 201920012606 **Name of the Work** : English Labs
Administrative Sanction No : Proc.No2823021442/MBNN/2020-2021 **Technical Sanctioned** : 115 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 : 201920039611 **Name of the Work** : Green Chalk Board
Administrative Sanction No : Proc.No2823021442/MBNN/2020-2021 **Technical Sanctioned** : /21-22 No
Estimate Amount (in Rs.) : 72,165/- **Work MBook Amount** : 72,093/- (in Rs.)

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

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(Prince Board India) Green Chalk Boards - Supply and fixing of ceramic steel / Porcelain enamel Steel Green Chalk Boards of size 2400mmx 1200mm with vitreous enamel steel sheet thickness 0.3mm to 0.40mm with Ceramic steel (Belgium make)/ Porcelain enamel steel 0.3mm to 0.4mm (Japan make) engraving on surface (having vitreous enamelled coating both sides) 0.095mm thick top surface coating and back surface coating thickness of 0.03mm, supported with 9mm thick MDF Board (make : Greenlam / Merino / Century / Kitply / Greenply / ASIS of ISI standards and water proofing) for back support and it backing with 0.25mm thick galvanized iron sheet (make : TATA / JSW / Sail / Vizag Steel), fixed with anodized aluminium frame 20mm wide and 1.2mm thick and board shall be given additional support on all four sides with Aluminium J-Clamps (8 Nos.).Cost includes production cost for complete finished item of work, conveyance of all materials to work site, all labour charges like loading, unloading, Fixing, GST and all other taxes, charges and Rates etc., as applicable from time to time. The item shall carry a Warranty period of 7 (Seven) years from the date of Supply (Including GST)									
Green chalk Boards	7	0	0	0	7	0			0
Total					7	10299	Nos		72,093

Work Code : 201920039677

Name of the Work : Furniture for Students and Staff

Administrative Sanction No : Proc.No2823021442/MBNN/2020
-2021

Technical Sanctioned : /21-22
No

Estimate Amount (in Rs.) : 5,03,388/-

Work MBook Amount : 2,09,983/-
(in Rs.)

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

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	Almairahs (Steel) for HM Room, Staff room, Library room, Laboratory room, M.S sheet conforming to commercial quality CR- 1,Grade340 of IS 513:2008 (reaffirmed 2013)(Fifth Revision)Amdt. no.1 Sheet thickness of door in 0.8 mm (minimum) (Excluding GST)							
	Almairahs	0	0	0	0	0	0	0
	Total					0	7850	Nos 0
	Supply & Placing Dual desk for class I to III ; TYPE-I The overall dimensions of desk will be W 1066mm x D 930mm x H 628 (for table top). The seating bench height shall be 383 mm. 1. Table top shall be made up of 18.0 mm thick plywood of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish). Table top dimensions shall be W 1008.0 mm x D 380.0 mm. Edge towards bench shall be post formed with round edge. The remaining three edges must be sealed with 2mmthick PVC edge banding tape. Edge band must be trimmed on edges and corners. 2. Side frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness bolted to 25.0 mm x 50.0 mm x 1.2mm thickness tube of 890mm length by using C-clamps made up of 3.0 mm thickness sheet. 3. Seat and back rest frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness welded to MS pipe of 25.4 mm diameter x 1.2mm thickness. All 8 numbers of horizontal supports shall be made up MS tube having dimensions 25.0 mm x 25.0 mm x 1.2 mm thickness. MS tube of size 20.0 mm x 20.0 mm x 1.0 mm thickness and 100.0 mm long shall be welded to the frame to hold the horizontal supports. 4. Rectangular MS tube of dimension 50.0 mm x 25.0 mm x 1.2 mm thickness shall be closed with PPCP (Polypropylene Copolymer) cap at both the ends. Pipe diameter 25.4 mm x 1.2 mm thickness shall be closed with PPCP cap at back side and under the seat.5. Upper modesty panel and shelf shall be made of 0.8 mm thick CRCA sheet. The dimensions for upper modesty panel shall be H 175.0 mm x W 1012.0 mm x D 23.0 mm. The dimensions of shelf shall be W 1012.0 mm X D 300.0 mm X H 23.0 mm. The shelf shall have vertical partition at the center. This partition shall be made up of square MS tube having size 25.0 mm x 25.0 mm x 1.2 mm thickness. Stiffeners of MS tube having sizes as 20.0 mm x 20.0 mm x 1.0 mm thickness shall be provided in upper modesty panel and shelf. Front fascia of upper modesty panel of desk shall have embossed design. The corners of shelf (projecting towards the seating bench) shall be rounded through corner-forming technology (without welding) to avoid injury in case of accidental impact.6. Additional lower modesty panel having size H 150.0 mm x W 1008.0 mm X D 23.0 mm shall be made up of 0.8 mm thick CRCA sheet with designer square perforations. MS tube of size 20.0 mm x 20.0 mm x 1.2 mm thickness shall be fixed across the length at the bottom side of lower modesty panel. 7. Seat and back rest shall be made of 18mm thick plywood of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish) except backrest. Back rest shall have both sides lamination. 7.1. Seating bench dimensions shall be W 1066.0 mm X D 300.0 mm: Front side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. 7.2. Back rest dimensions shall be W 1066.0 mm x D 250.0 mm: Upper side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. 7.3. Leg space between top and seat shall be 110mm. 8. Bag/bottle hooks shall be made of MS wire having diameter of 5.0 mm. The overall size of hook shall be W 23.0 mm, D 32.0 mm and H 80.0 mm. It shall be welded on inner facia of both the vertical press-fitted steel sections. 9. The MIG / Spot welding shall be done as per technical requirement.10. All metal components shall be powder coated in satin finish with pretreatment process. The item shall carry a warranty period of 5 (Five) years from the date of supply (Excluding GST)							
	type 1	0	0	0	0	0	0	0
	Total					0	6768.38	Nos 0

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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)

type2	18	0	0	0	18	0		0
Total					18	6821.78	Nos	1,22,792

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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)

type3	8	0	0	0	8	0		0
Total					8	6895	Nos	55,160
Provision for GST @ 12.00%								
Provision for GST	1	0	0	0	1	0		0
Total					1	32031.37	PERCENT AGE	32,031

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Work Code : 201920040492 **Name of the Work** : Providing Electrification with Fans and Tube Lights
Administrative Sanction No : Proc.No2823021442/MBNN/2020-2021 **Technical Sanctioned** : /21-22 No
Estimate Amount (in Rs.) : 1,80,608/- **Work MBook Amount** : 1,70,610/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supply and fixing of 25mm dia 2.2mm thick P.V.C. pipe (ISI Mark) concealed in Roof Slabs with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	In Roof Slab	1	9	0	0	9	0		0
	Total					9	66.86	mtr	602
	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)								
	All over building	1	1013	0	0	1013	0		0
	Total					1013	18.62	mtr	18,862
	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)								
	all over building	1	442	0	0	442	0		0
	Total					442	64.93	mtr	28,699
	Supply and run of 2 of 56/0.3mm (4 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete. (Excluding GST)								
	From TPN to SB	1	8	0	0	8	0		0
	Total					8	90.74	mtr	726
	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)								
	all over building	1	184	0	0	184	0		0
	Total					184	32.52	rmt	5,984

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	Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete for Light, Fan, Exhaust Fan etc., complete. (Excluding GST)							
	All over building	48	0	0	0	48	0	0
	Total					48	611.17	Nos 29,336
	Supply and fixing of 6A/10A modular 3 pin socket with 6A modular switch with 3 moular metal box with cover frame on a common board with earth continuity including wire leads, earth connections along with all labour charges etc., complete.switches (Excluding GST)							
	6A 3 pin Sockets	5	0	0	0	5	0	0
	Total					5	284.35	Nos 1,422
	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)							
	all over building in rooms	10	0	0	0	10	0	0
	Total					10	434.34	Nos 4,343
	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	21	0	0	0	21	0	0
	Total					21	867.5	Nos 18,218
	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	25	0	0	0	25	0	0
	Total					25	138.88	Nos 3,472
	Supply and fixing TPN Distribution board with IP-42 protection (Metal Door) suitable for 3 phase ELCB / RCCB / FP Isolator as incomer and 10kA SP MCBs as outing going including internal connection and labour charges for surface / flush mounting etc., complete. (Excluding GST)							
	Tpn box	0	0	0	0	0	0	0
	Total					0	6947.07	Nos 0
	Supply and fixing SPN Distribution board with IP-42 protection (Metal Door) suitable for single phase ELCB / RCCB / DP Isolator as incomer and 10kA SP MCBs as outing going including internal connection and labour charges for surface/ flush mounting etc., complete. (Excluding GST)							
	Spn Distribution box	1	0	0	0	1	0	0
	Total					1	4107.07	Nos 4,107

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	Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Data, using 40mm GI B Class Pipe of 2.5 Mtrs length with necessary accessories duly providing staggered holes including filling with equal proportion of Salt and Charcoal in layers and all labour charges etc., complete. (Excluding GST)								
	earth connection	1	0	0	0	1	0		0
	Total					1	4417.43	Nos	4,417
	(Crompton greaves) Ceiling Fans- Supply & Fixing of 1200mm (48) sweep, 380 RPM at 230V with high speed, ceiling fan with air delivery of 210 (CMM) and wattage of 50 to 75W having 3 blades and double ball bearing with all standard accessories like 100% copper winding, down rod 300mm length and 19.20mm dia meter, anti-corrosion aluminium body and blades having thickness of 1.08mm with glassy powder coated paint finish (Ivory colour) etc., including cost and conveyance of all materials to site (of school) including loading and un-loading and fixing etc., complete for finished item of work. (Crompton / Usha / Bajaj / Havells / Orient / Khaitan / Polar / GEC / Almonard) including GST and all taxes etc., as applicable from time to time. The item shall carry a warranty period of 3 (three) years from the date of supply (Including GST)								
	fans all over school	25	0	0	0	25	0		0
	Total					25	1440	Nos	36,000
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	14422.53	PERCENT AGE	14,423

Work Code	: 201920040561	Name of the Work	: Drinking Water Supply
Administrative Sanction No	: Proc.No2823021442/MBNN/2020-2021	Technical Sanctioned	: /21-22 No
Estimate Amount (in Rs.)	: 4,38,868/-	Work MBook Amount	: 3,04,346/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work. [Ordinary Soil - Manual means - Upto 3m depth] (Excluding GST)								
	For sump	1	3.5	3.5	3.28	40.18	0		0

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	Hand Wash Platform	1	5	0.3	0.45	0.68	0		0
	Total					40.86	267.54	cum	10,932
	Plain Cement Concrete (1:4:8) using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work (Excluding GST)								
	For sump	1	3.2	3	0.15	1.44	0		0
	Hand Wash Platform	1	7.2	0.6	0.15	0.65	0		0
	Total					2.09	3099.75	cum	6,478
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 125mm thick] (Excluding GST)								
	Bottom Slab	1	4.78	0.6	0.1	0.29	0		0
	Deduct door for ohsr	1	0.4	0.6	0.1	-0.02	0		0
	Deduct door for sump	1	0.6	0.6	0.12	-0.04	0		0
	for ohsr slab	1	2.6	1.85	0.12	0.58	0		0
	Top Slab with manhole	1	3	3	0.12	1.08	0		0
	Total					1.89	7151.89	cum	13,517
	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 Side walls] (Excluding GST)								
	Side Walls	2	2.6	0.09	1.18	0.55	0		0
	Side walls of over head tank	2	1.85	0.09	1.18	0.39	0		0
	Total					0.94	11166.63	cum	10,497
	Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded. (Excluding GST)								
	8mm HYSD bars	300	0	0	0	300	0		0
	Total					300	48.41	Kgs	14,523

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	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[15.90 mm dia CPVC SDR 13.50]. (Excluding GST)							
	15.90 MM OD Pipe	1	115	0	0	115	0	0
	Total					115	53 rmt	6,095
	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[22.20 mm dia CPVC SDR 13.50]. (Excluding GST)							
	22.20 MM OD Pipe	1	30	0	0	30	0	0
	Total					30	85 rmt	2,550
	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[34.90mm OD Pipe - SDR 13.5]. (Excluding GST)							
	for tap connections	1	0	0	0	0	0	0
	Total					0	193 rmt	0
	Supply and erecting of 1.00 HP (25 mm x 25 mm) single phase ISI Monoblock CI body motor pump set conforming to IS 9079:2002 approved make centrifugal water pump with impeller, priming funnel cork, companion metallic flanges with bolts and nuts and mounted on a common shaft of high coefficient squirrel cage induction motor totally enclosed and fan cooled tyupe suitable to operate on 230 V single phase 50 HZ , 1440 RPM AC power supply excluding suction/delivery pipe with nuts duly grouted on existing CC foundation and bolts, spring washer of requisite size for monoblock motor and pump (Excluding GST)							
	Erecting of 1 HP mono block mator pump set	1	0	0	0	1	0	0
	Total					1	8175 Nos	8,175
	Dadooing 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 hand wash basin	1	0.25	0	0.35	0.09	0	0

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	At top of hand wash basin	1	5.04	0	1.9	9.58	0		0
	Hand wash basin	6	0.3	0	0.7	1.26	0		0
	Inside hand wash basin	2	0.92	0	0.43	0.79	0		0
	Total					11.72	558.77	sqm	6,549
	Supply of fixing of SS Nipples of 32 mm x 25 mm diameter stainless steel nipples including conveyance charges (Excluding GST)								
	Ss Nipples	18	0	0	0	18	0		0
	Total					18	135	Nos	2,430
	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)								
	Taps	11	0	0	0	11	0		0
	Total					11	351.76	Nos	3,869

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DRINKING WATER SYSTEM FOR SCHOOLS HAVING SOURCE WATER TDS BELOW 400 PPM : TYPE- II: 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. Raw water tank: Capacity: 500 Liters, Dia. of tank:765 mm, Height:1050 mm. Stand - Height: 550 mm, Ring of diameter 768mm made with stainless steel tube of size 25mm x 25mm x 1.6mm thick of approved brand, 6 Nos of legs and with tie as shown in figure made of stainless-steel tube of size 25mm x 25mm x 1.6mm thick of approved brand, Outlet pipe made up of stainless steel SS 304 grade of diameter 40.0 mm (1½”) and inlet pipe made up of stainless steel 304 grade of diameter 25.40mm of approved brand , Stainless steel drain pipe of diameter 40.00mm shall be provided with functional valve. Water Treatment unit with Ultra Violet System: Vessel / dual media of 255.00 mm dia. and 1370.00 mm height – make Pentair, with 40 kg quartz sand – 3 mm – 5mm size and Activated Carbon 25 kg of coconut shell based (2 mm – 5mm size) and with 25 (nb)mm multiport valve and Jumbo filter housing with 5/10 micron, UV system with 1000 LPH capacity with stainless steel body 500 mm height, (Mud) Micron filter-1. All the above shall be mounted in stainless steel framed stand made with 40mm size square Stainless-steel pipe of 304 grade and fitted with Stainless steel pipe lines (SS 304 grade. Makes: Dual Media Filter, Centrifugal pump 0.5 HP with 5 years warranty, Pressure gauge, TDS meter, Booster pump 0.5 hp with 5 years warranty, Socket - 01 No.Battery-12V-7ah one(01) [in number along with all Charging accessories] OR optimum rating.Treated Water Tank:Capacity:300 Liters, Shell diameter :765 mm, Height of shell :650 mm, Stand: Height of stand:1310 mm, Stand shall be made with stainless steel 304 grade tube of size 25mm x 25mm x 1.6mm thickness for the top in circular shape and stainless steel 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 (SS 304) grade Pipe. Outlet pipe made with stainless steel pipe of diameter 40.0mm and inlet pipe made with stainless steel pipe of diameter 25.40 mm. Stainless steel drain pipe of diameter 40mm shall be provided with functional valve.Water Dispenser: 3000mm x 450mm x 1050mm [Stainless Steel Sink]. Stainless steel Water Dispenser of size 3000mm x 450mm x 1050mm as shown in figure made with stainless steel sheet of 1.0mm thick 304 grade and sink of size 245mm x 150mm x 430mm including 8 nos. of taps connected to foot pedestal of SS coated Gun metal push or any better quality taps with 40mm diameter Stainless steel connecting pipe up to 3mtrs length with necessary Stainless steel clamps at 3 supports and the frame shall be made with 40mm x 40mm x 1.2mm thick size stainless steel grade 304 square tubes and levers at bottom of frame for level adjustment. (Excluding GST)

Ro palnt type 2	0	0	0	0	0	0		0
Total					0	172536.29	Nos	0

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<p>(Livpure Pvt Ltd) Drinking water Supply System Type-III - B) DRINKING WATER SYSTEM FOR SCHOOLS HAVING SOURCE WATER TDS BELOW 400 PPM : TYPE- III - Supplying and fixing of Drinking water system with the specifications detailed and the Cost includes manufacturer, transportation, Supply, Erection, Commissioning and Testing at the school premises, loading & unloading charges etc., all incidental charges, including GST etc., all other taxes and charges for complete finished item of work, with a warranty period of 05(five) years and further extendable AMC for a period of 05(five) years on mutually agreed terms and conditions. [1] Raw water tank: Dimensions: (as shown in figure) Capacity : 500Liters, Dia.of tank : 765mm, Height : 1050mm, Diameter of Lid :500 mm (dia.), Embossing letters on Tank: Nadu -Nedu2020 (B)Specifications : The entire Tank and Lid shall be made with SS sheet of 304 grade (1.20mm) (C) Stand - Height: 550 mm, Ring of diameter 768mm made with SS tube of size 25mm x 25mm x 1.6mm thick of approved brand made of SS tube of size 25mm x 25mm x 1.6mm, thick of approved brand Water Treatment unit with Ultra Violet System, Vessel / dual media of 255.00 mm dia. and 1370.00 mm height (i.e., 10 x 54) – make Pentair, Jumbo filter housing with 5/10 micron –make PRATAM/MM, UV system with 1000 LPH capacity with SS body 500 mm height – Mud filter-1. All the above shall be mounted in SS framed stand (compact skid mounted) equipment made with 40mm size square SS pipe of 304 grade and fitted with SS pipe lines (SS 304 grade) with necessary fittings, with 5 years warranty, Mud Filter : MMP / Pratham with 5 years warranty, Dual MediaFilter, Centrifugal pump 0.5 HP (Make-CRI / Lubi / Leo) with 5 years warranty, Pressure gauge, TDS meter, Booster pump 0.5 hp with 5 years warranty, Socket - 01No., Battery-12V-7ah [ONE(01) in number along with all Charging accessories] OR optimum rating., Treated Water Tank: [A]Dimension: (As shown in figure), Capacity: 300 Liters, Shell diameter : 765mm, Height of shell: 650mm, Diameter of : 500 mm Lid (Top opening) Locking system :with Heavy stainless Top Lid(Tank Opening)steel Hinge and padlock, Embossing letters on Tank: Nadu -Nedu2020 (B)Specifications :Tank with Lid shall be made with SS sheet of 304 grade with 1.20mm thickness and the SS sheet shall be Jindal / Salem SAIL; with locking system as shown infigure., (C)Stand: Height ofstand : 1310mm, Stand shall be made with SS 304 grade tube of size 25mm x 25mm x 1.6mm thickness for the top in circular shape and SS tube 304 grade of size 25mm x 25mm x 1.6mm thickness 4 Nos. for legs of height 1310 mm and for stiffeners at middle and bottom as shown in figure (SS 304 grade Pipe shall be of approved brand viz., Jindal / TATA / Salem SAIL / VizagSteel), Outlet pipe made with SS pipe of diameter 40.0mm (1½) and inlet pipe made with SS pipe of diameter 25.40 mm (1) of approved brand SS drain pipe of diameter 40mm(1½), shall be provided with functional valve., [4] Water Dispenser(Size 3000mm x 450mm x1200mm): [SSSink], Government High Schools, SS Water Dispenser of size 3000mm x 450mm x 1200mm as shown in figure made with SS sheet of 1.0mm thick 304 grade and sink of size 245mm x 150mm x 430mm including 8 nos. of taps connected to foot pedestal (Pedal photo as shown in figure) of SS coated Gun metal push or any better quality taps with 40mm (1½) diameter SS connecting pipe up to 3mtrs length with necessary SS clamps at 3 supports and the frame shall be made with 40mm x 40mm x 1.2mm thick size SS grade 304 square tubes and levers at bottom of frame for level adjustment. The equipment shall be made as per drawing shown infigure. (Including GST)</p>									
Ro plant	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)									
For long walls of sump	2	3	0.23	2.5	3.45	0			0
Hand wash basin	3	0.7	0.62	0.25	0.33	0			0

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	Hand wash basin	1	4.78	0.18	0.1	0.09	0		0
	Hand wash basin	1	7.2	0.23	0.3	0.5	0		0
	Hand wash basin	2	1.24	0.25	0.3	0.19	0		0
	Hand wash basin	2	0.58	0.27	0.07	0.02	0		0
	Hand wash basin	3	0.3	0.1	0.8	0.07	0		0
	Short walls of sump	2	2.54	0.23	2.5	2.92	0		0
	Total					7.57	5115.47	cum	38,724
	Flooring with Vitrified tiles of 1st quality of size 600x600mm, 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 for finished item of work. (Excluding GST)								
	At hand wash basin	0	0	0.2	0	0	0		0
	Total					0	749.25	sqm	0
	Plastering with CM 2 coats, 20mm thick, base coat in CM (1:6), 16mm thick and top coat in CM (1:4), 4mm thick with Dubara sponze finishing including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								
	For over head tank	1	9.4	0	1.2	11.28	0		0
	For sump all around	0	0	0	0	0	0		0
	Hand wash basin	1	3.55	0	0.3	1.06	0		0
	Total					12.34	314.19	sqm	3,877
	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 one inch pipes all over School	1	40	0	0	40	0		0
	Total					40	71.44	mtr	2,858
	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)								
	Sump door	8	0	0	0	8	0		0
	Total					8	70.08	Kgs	561
	Flooring with Non-skid red or white full body Ceramic floor tiles, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work (Excluding GST)								

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	Non skid tiles hand wash basin	1	7.2	1.7	0	12.24	0		0
	Total					12.24	716.13	sqm	8,765
	Plastering with CM(1:4) Prop: 12mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work Over Brick Masonry. (APSS 901,906) (Excluding GST)								
	For long walls of sump	2	3	0	2.5	15	0		0
	For over head tank all around	1	8.5	0	1.18	10.03	0		0
	For short walls of sump	2	3	0	2.5	15	0		0
	Total					40.03	231.87	sqm	9,282
	Supply and Fixing of 20 mm outer dia 2.10 mm thick Heavy grade with IS:9537 part 3 FRLS regid PVC pipe (ISI MARK) concealed in Roof Slabs with all required MS deep boxes and all accessories including and labour charges etc., complete (Excluding GST)								
	For all drinking water work around school	0	0	0	0	0	0		0
	Total					0	58.38	mtr	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	17961.8	PERCENT AGE	17,962

Work Code : 201920041908

Name of the Work : Paintings to School

Administrative Sanction No : Proc.No2823021442/MBNN/2020-2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 3,37,658/-

Work MBook Amount : 1,86,909/- (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				
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)								
Rooms inside ceiling - Block1	0	125.16	1	1	0	0		0
Rooms inside ceiling - Block2	0	78.5	1	1	0	0		0
Rooms inside ceiling - Block3	0	286.6	1	1	0	0		0
Total					0	121.78	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)								
for all over building	0	773.62	0	0	0	0		0
Ramp - Block1	0	0	0	1	0	0		0
Total					0	219.04	sqm	0
Painting to Iron work with 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)								
Window Grills - Block1	1	40.13	1	1	40.13	0		0
Window Grills - Block2	0	0	0	0	0	0		0
Window Grills - Block3	0	0	0	0	0	0		0
Total					40.13	90.01	sqm	3,612
Painting to Iron work with Two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade 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)								
for all over building grills	0	0	0	0	0	0		0
Total					0	79.99	sqm	0

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	Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawings and Technical Specification Clause 1701 MoRD/ 801 MoRTH (Excluding GST)							
	Writing Letters	0	0.3	0	0	0	0	0
	Total					0	1.12 cm	0
	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 Emulsion (Excluding GST)							
	for all over the building	1	822.97	1	0	822.97	0	0
	Total					822.97	85.02 Sqm	69,969
	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 Emulsion (Excluding GST)							
	for all over inside the school	1	508.45	1	0	508.45	0	0
	Total					508.45	87.03 Sqm	44,250

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Doors & Windows with wood primer, enamel (in case of Wooden Doors) 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 (Excluding GST)									
for wooden windows	1	100	1	0	100	0			0
Total					100	96.02	Sqm		9,602
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)									
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)									
wall art	1	57.62	1	0	57.62	0			0
Total					57.62	322.8	Sqm		18,600
(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)									

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	(Berger Paints India) Wall art coloring to exterior and interior walls to make the school environment favourable to children with arts like animals, birds, trees etc and with themes like environment/science/space etc using Acrylic Emulsion Colours of highest grade using standardised stencils (the art work / designs will be furnished by the authority / department). The surface area of work done will be taken as 40 % of the external wall treated and 50 % for internal walls (considering 60 % voids for external walls and 50 % voids for internal walls) Include colours, applying machinery or tools / equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and including all taxes and all or every other requirement in completion of the work shall be met by the SELECTED contractor with a warranty period of 7 Years for entire painting & Paint Coloring (Including GST)								
	(Berger Paints India) Painting to Old walls with Single coat of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade making single coat in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, , cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for INTERNAL WALLS. (make: Berger /Asian) Colour code: Sugericing (NN Crem) -3P0237 Ceiling: white (Including GST)								
	for ceiling area all over building	1	268.32	1	0	268.32	0		0
	Total					268.32	87.03	Sqm	23,352
	(Asian Paints Ltd) 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)								
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	17523.98	PERCENT AGE	17,524

Work Code : 201920041983

Name of the Work : Major and Minor Repairs

Administrative Sanction No : Proc.No2823021442/MBNN/2020-2021

Technical Sanctioned : /21-22
No

Estimate Amount (in Rs.) : 11,80,470/-

Work MBook Amount : 14,99,687/-
(in Rs.)

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Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Dismantling doors , windows and clear storey windows, Ventilators etc., (wood or steel) shutters including Chowkhats , architraves,hold fasts and other attachments etc., and stacking them within 100m lead including labour charge etc., and overheads & contractors profit complete for finished item of work[Not exceeding 3 sqm] (Excluding GST)								
	Windows dismantling all over building	6	0	0	0	6	0		0
	Total					6	154.75	Nos	929
	Rectification of cracks in plastering using fosroc materials including the cost of groove cutting along the crack, neat cleaning, applying SBR fosroc liquid along the groove and applying two coats of P.S. powder fosroc compound as crack filler including cost and conveyance of all materials and labour charges etc., complete (Excluding GST)								
	For all over building	1	0	0	0	0	0		0
	Total					0	38	rmt	0
	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)								
	for school ground	1	45.15	18.25	0.5	411.99	0		0
	Total					411.99	152.88	cum	62,985
	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)								
	Computer room	1	5.51	5.56	0.1	3.06	0		0
	Room 2	1	6.2	2.9	0.1	1.8	0		0
	Room3	1	5.52	5.51	0.1	3.04	0		0
	Stage	1	6.72	3.02	0.1	2.03	0		0
	Total					9.93	2971.26	cum	29,505

మన బడి నాడు-నేడు

	Plain Cement Concrete corresponding to M15 grade as per IS 456 equivalent to (1:2:4) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 20mm size Hard Blasted Granite (IS383, 1970) Machine Crushed graded metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing, laying, curing concrete, etc., complete for finished item of work (Excluding GST)								
	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)								
	New Room front and back	2	6.3	0.45	0.6	3.4	0		0
	New Room left and right	2	3.25	0.45	0.65	1.9	0		0
	Total					5.3	3142.78	cum	16,657
	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)								
	At kitchen	1	15.52	0	1	15.52	0		0
	At New Room	1	18.8	0	3	56.4	0		0
	Deduct door for new room	1	0.9	0	2.05	-1.84	0		0
	Deduct ventilator	3	0.45	0	0.6	-0.81	0		0
	Deduction windows doors and ventilators	3	0.9	1.3	0	3.51	0		0
	For computer Room	1	6	1	0	6	0		0
	For Hall 1	1	4.96	1	0	4.96	0		0
	For Room 1	1	25.4	0.8	0	20.32	0		0
	For Room 2	1	1.56	0	1.3	2.03	0		0
	For Room 3	1	6.58	0	1.25	8.22	0		0
	For small toilet	1	4	0	0.8	3.2	0		0
	Other parts of building	1	5	0	1	5	0		0
	Total					122.51	231.87	sqm	28,406
	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure. (Excluding GST)								
	At hall 1 steps	1	2.88	0.34	0.31	0.3	0		0
	At kitchen	1	15.52	0.26	0.8	3.23	0		0
	At trees all around	2	0.79	0.26	0.35	0.14	0		0

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	Computer Room	2	1.35	0.23	0.33	0.2	0		0
	Deduction door	1	0.9	0.23	2.1	-0.43	0		0
	Deduction of columns of new room	6	0.23	0.23	3	-0.95	0		0
	Deduction of new room	3	1.3	0.23	0.9	-0.81	0		0
	Deduction of ventilator	0	0	0	0	0	0		0
	Deduction of ventilators	2	0.45	0.23	0.6	-0.12	0		0
	For New Room All over building	1	19.72	0.23	3	13.61	0		0
	For parking tiles and trees	1	44.9	0.11	0.18	0.89	0		0
	For small toilet	1	2	0.23	0.8	0.37	0		0
	New room steps	1	1.18	0.25	0.26	0.08	0		0
	Parking tiles side Brick work	1	3.3	0.11	0.2	0.07	0		0
	Parking tiles side Brick work	1	9.69	0.11	0.11	0.12	0		0
	Parking tiles side Brick work	1	5.6	0.11	0.1	0.06	0		0
	Room 3 for all steps	1	4.4	0.31	0.3	0.41	0		0
	Stage	1	12.76	0.23	0.66	1.94	0		0
	Trees all around	3	1.04	0.26	0.36	0.29	0		0
	Total					19.4	5115.47	cum	99,240
Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded. (Excluding GST)									
	Class Room-10mm HYSD bars	25	0	0	0	25	0		0
	Class Room-12mm HYSD bars	305.7	0	0	0	305.7	0		0
	Class Room-8mm HYSD bars	205.8	0	0	0	205.8	0		0
	Kitchen slab stell 8mm and 12mm dia	404.3	0	0	0	404.3	0		0
	Total					940.8	48.41	Kgs	45,544

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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.[FOOTINGS] (Excluding GST)									
Kitchen Room	4	1	1	0.23	0.92	0			0
New Room	6	1.2	1.2	0.26	2.25	0			0
Total					3.17	6406.63	cum		20,309
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)									
At kitchen	4	0.23	0.23	4.8	1.02	0			0
For New Room	6	0.23	0.23	5.1	1.62	0			0
Total					2.64	7915.63	cum		20,897
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)									
New Room front and back	2	6.42	0.23	0.23	0.68	0			0
New Room left and right	2	3.44	0.23	0.23	0.36	0			0
Total					1.04	8398.63	cum		8,735
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[LINTELS] (Excluding GST)									
At New Room	0	0	0	0	0	0			0
Total					0	7961.63	cum		0

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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.[BEAMS] (Excluding GST)								
	At kitchen	0	0	0	0	0	0		0
	At kitchen	0	0	0	0	0	0		0
	At New Room	0	0	0	0	0	0		0
	At New Room slab	0	0	0	0	0	0		0
	Total					0	7355.89	cum	0
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 125mm thick] (Excluding GST)								
	At kitchen	1	6.62	3.97	0.15	3.94	0		0
	For New Room	1	7.75	4.25	0.15	4.94	0		0
	For new room front side	1	2.2	0.5	0.15	0.17	0		0
	Total					9.05	7151.89	cum	64,725
	Ornamental Ceiling plastering with CM (1:3), 12mm thick including cost and conveyance of all materials and all labour charges etc., complete. (Excluding GST)								
	Kitchen Shed-Room1	0	0	0	0	0	0		0
	Total					0	250.7	sqm	0
	Plastering with CM 2 coats, 20mm thick, base coat in CM (1:6), 16mm thick and top coat in CM (1:4), 4mm thick with Dubara sponze finishing including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								
	At Hall 1	0	0	0	0	0	0		0
	At kitchen	1	16.44	0	1	16.44	0		0
	At stage	1	12.5	0	0.7	8.75	0		0
	Computer Room	1	3.5	0	0.17	0.6	0		0
	Deduct door for new room	1	0.9	0	2.06	-1.85	0		0
	Deduction of Windows doors and ventilators	3	1.3	0	0.9	-3.51	0		0
	For New Room out side	1	20.74	0	3.1	64.29	0		0

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	For parking tiles	1	23.33	0	0.47	10.97	0		0
	For parking tiles and tress	1	15.29	0	0.31	4.74	0		0
	For parking tiles brick work	1	21.57	0	0.46	9.92	0		0
	For parking tiles brick work	1	3.3	0	0.5	1.65	0		0
	New room Jambs of ventilators	4	0.43	0.25	0	0.43	0		0
	New room Jambs of ventilators	4	0.6	0.25	0	0.6	0		0
	New room Jambs of windows	6	0.9	0.25	0	1.35	0		0
	New room Jambs of windows	4	1.3	0.25	0	1.3	0		0
	Room 1 Jambs of doors	2	0.89	0.4	0	0.71	0		0
	Room 1 Jambs of windows	2	1.2	0.4	0	0.96	0		0
	Room 1 Jambs of windows 1,2,3	2	1.31	0.4	0	1.05	0		0
	Room 3 outside steps	1	3.77	0	1	3.77	0		0
	Trees all around	3	1.04	0	0.85	2.65	0		0
	Trees all around plastering	2	0.79	0	0.9	1.41	0		0
	Total					126.23	314.19	sqm	39,660
	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)								
	On top of computer room ,room2 and room 3	1	7.32	3.21	0	23.5	0		0
	On top of computer Room and Old rooms of Right side of entarnce	0	0	0	0	0	0		0
	On top of computer room,room2 And room 3	1	6.63	12.38	0	82.08	0		0
	On top of room 6and 7	1	15.7	9.15	0	143.66	0		0
	Total					249.24	334.23	sqm	83,303
	Supplying, fitting and placing MS grilled door, windows, gate including fabrication charges and all incidental charges etc, cost and conveyance of all materials and all labour charges etc., complete. (make of materials - TATA, Jindal, Sail, Visakha) (Excluding GST)								

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	For Gate	169	0	0	0	169	0		0
	For Name board	150	0	0	0	150	0		0
	For New Room,kitchen and windows and doors	465	0	0	0	465	0		0
	Total					784	70.08	Kgs	54,943
	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)								
	For WPC doors	8	0.75	0	2.05	12.3	0		0
	Total					12.3	3030	sqm	37,269
	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)								
	Computer room	1	22.38	0.1	0	2.24	0		0
	For all over building	1	0	0	0	0	0		0
	Hall 1	1	15.19	0.1	0	1.52	0		0
	Hall 1 left side columns	2	0.76	0.1	0	0.15	0		0
	Hall 1 left side columns	3	1	0.1	0	0.3	0		0
	Hall 1 steps	1	2.85	0.15	0	0.43	0		0
	Hall 1 steps right side	1	1.42	0.16	0	0.23	0		0
	Kitchen steps raising	1	1.65	0.15	0	0.25	0		0
	New room	1	17.8	0.1	0	1.78	0		0
	New room front	3	1.18	0.14	0	0.5	0		0
	Remaining portion of building	1	10	0.15	0	1.5	0		0
	Room 2	1	1.18	0.15	0	0.18	0		0
	Room 2 triangle portion	1	2.2	0.18	0	0.4	0		0
	Room1	1	24.72	0.1	0	2.47	0		0
	Room2	1	18.2	0.1	0	1.82	0		0
	Room2	1	1.65	0.15	0	0.25	0		0
	Room3	1	22.06	0.1	0	2.21	0		0
	Stage 1	1	8.32	0.1	0	0.83	0		0
	Total					17.06	755.91	sqm	12,896

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	Flooring with high polished granite 16 to 18 mm thick slabs other than black set over base coat of cement mortar (1:8), 20 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like cement, sand water and tilesetc., complete, including seigniorage charges, labour charges for dressing of tilesetc., complete for finished item of work, but excluding the cost of conveyance of all materials (Excluding GST)								
At kitchen steps raising	1	1.65	0.6	0	0.99	0			0
Computer room	1	1.34	0.45	0	0.6	0			0
Computer Room	1	5.51	5.56	0	30.64	0			0
Deduct kitchen front side	1	1.17	0.22	0	-0.26	0			0
For Hall 1	1	13.3	2.3	0	30.59	0			0
For New Room	1	6.42	3	0	19.26	0			0
For Room 1	1	9.1	3.6	0	32.76	0			0
For small toilet	1	4.4	0.9	0	3.96	0			0
Hall 1 steps	3	2.84	0.34	0	2.9	0			0
Hall 1 steps	2	1.42	0.35	0	0.99	0			0
Kitchen front	1	2.54	1.8	0	4.57	0			0
Kitchen front side	1	0.88	0.37	0	0.33	0			0
Kitchen front side	1	1.04	0.54	0	0.56	0			0
Kitchen front side	1	0.57	0.45	0	0.26	0			0
Room 1	1	1.82	0.43	0	0.78	0			0
Room 1 Door	1	0.35	1.05	0	0.37	0			0
Room 2	1	6.2	2.9	0	17.98	0			0
Room 2 steps	1	1.46	0.34	0	0.5	0			0
Room 3	1	5.52	5.51	0	30.42	0			0
Stage	1	6.72	3.02	0	20.29	0			0
Stage Step1	1	1.5	0.48	0	0.72	0			0
Step2	1	1.5	0.42	0	0.63	0			0
Step4	1	1.95	0.39	0	0.76	0			0
Total					200.6	1742.23	sqm		3,49,491

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	Flooring with precast concrete blocks for paving of M-40 grade and thickness not less than 80 mm for Non-traffic areas conforming to IS 15658:2006 only after it is properly cured, cleaned, moistened and where necessary treated with neat grey cement slurry of honey like consistency spread at 3.3 kgs of cement for 1 sqm. and jointed with neat cement paste to full depth, including cost and conveyance of all materials like cement, sand, water, flooring stones etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as dressing of flooring stones to the required sizes, mixing of cement mortar, laying, jointing, curing, lift charges etc., complete for finished item of work. (Excluding GST)								
At Passage through all over school	1	51	2	0	102	0			0
Total					102	773.81	sqm		78,929
	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)								
For school Ground	1	65.4	25	0.35	572.25	0			0
Total					572.25	378.5	cum		2,16,597
	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work. [Ordinary Soil - Manual means - Upto 3m depth] (Excluding GST)								
For kitchen Footings	4	1.2	1.2	1.2	6.91	0			0
For New Room of footings	6	1.3	1.3	1.6	16.22	0			0
For school Ground	1	40	20	0.8	0	0			0
New Room RR masonry	2	6.9	0.7	0.7	6.76	0			0
RR masonry New Room	2	3.7	0.7	0.7	3.63	0			0
Total					33.52	267.54	cum		8,968
	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 kitchen front	1	3.84	3.46	0.15	1.99	0			0
At kitchen front	1	1.87	3.53	0.15	0.99	0			0
For stage	1	6.72	2.7	0.1	1.81	0			0
Left varandah New Room	1	3.8	0.64	0.1	0.24	0			0
New room	1	6.42	3	0.15	2.89	0			0
New Room footings	6	1.2	1.2	0.15	1.3	0			0
New Room front	1	5.4	1	0.1	0.54	0			0

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	Room1	1	9.1	3.6	0.15	4.91	0		0
	RR masonry New Room	1	20.12	0.12	0.6	1.45	0		0
	Total					16.12	3099.75	cum	49,968
	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)								
	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 Emulsion (Excluding GST)								
	For Room 6and 7 internal	1	104	1	0	104	0		0
	Total					104	87.03	Sqm	9,051
	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	160680.7	PERCENT AGE	1,60,681

Work Code : 201920042130

Name of the Work : Construction of Toilet with Running Water

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Administrative Sanction No : Proc.No2823021442/MBNN/2020 Technical Sanctioned : /21-22
-2021 No
Estimate Amount (in Rs.) : 4,70,923/- Work MBook Amount : 4,27,101/-
(in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work. [Ordinary Soil - Manual means - Upto 3m depth] (Excluding GST)								
	For left, Right and Middle walls of TB1	3	2.92	0.75	1.4	9.2	0		0
	For Toilet Block 2	2	2.7	0.75	1.3	5.27	0		0
	For Toilet Block 2	3	2.85	0.75	1.3	8.34	0		0
	For Walls	0	0	0	0	0	0		0
	Septic Tank	2	1.65	1.75	2.35	13.57	0		0
	Toilet block 2 Front and back	2	2.7	0.75	1.4	5.67	0		0
	Total					42.05	267.54	cum	11,250
	Plain Cement Concrete (1:4:8) using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work (Excluding GST)								
	For Septic tank	2	1.65	1.75	0.13	0.75	0		0
	For Toilet Block 1	2	2.7	0.75	0.12	0.49	0		0
	Others, if any	1	7.5	1.67	0.15	1.88	0		0
	Toilet block 1	3	2.92	0.75	0.12	0.79	0		0
	Toilet block 2	2	2.7	0.75	0.12	0.49	0		0
	Toilet block 2	3	2.85	0.75	0.12	0.77	0		0
	Total					5.17	3099.75	cum	16,026
	Random Rubble stone masonry in CM (1:6) using hard variety of Granite stones from approved quarry including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for foundation and basement. (Excluding GST)								
	For Toilet Block 1	2	2.87	0.45	0.5	1.29	0		0

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	For Toilet Block 1	3	3.15	0.45	0.5	2.13	0		0
	Septic tank Alround	8	1.5	0.25	2	6	0		0
	Toilet block 2	2	2.9	0.45	0.5	1.3	0		0
	Toilet block 2	3	3.05	0.45	0.5	2.06	0		0
	Total					12.78	3142.78	cum	40,165
	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)								
	Plinth beam toilet block 1	2	2.67	0.23	0.23	0.28	0		0
	Toilet block 2	3	2.79	0.23	0.23	0.44	0		0
	Toilet block front and back	2	2.64	0.23	0.23	0.28	0		0
	Toilet block left Right and Middle	3	2.9	0.23	0.23	0.46	0		0
	Total					1.46	8398.63	cum	12,262
	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)								
	For Toilet Block 1	0	3.2	0.23	0.23	0	0		0
	For Toilet Block 1	0	13.2	0.23	0.23	0	0		0
	For Toilet Block 2	0	3	0.23	0.23	0	0		0
	For Toilet Block 2	0	2.9	0.23	0.23	0	0		0
	Total					0	7355.89	cum	0
	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure. (Excluding GST)								
	Deduct door	1	0.73	0.23	1.97	-0.33	0		0
	Deduct Main Door	1	0.79	0.23	1.93	-0.35	0		0
	Deduct partition door	1	0.72	0.23	1.75	-0.29	0		0
	Deduct sunshade	1	2.79	0.23	0.08	-0.05	0		0
	Deduct sunshade	1	2.55	0.23	0.09	-0.05	0		0

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	Deduct Toilet Doors	2	0.64	0.23	2.12	-0.62	0		0
	Deduct toilet doors	1	0.73	0.23	1.75	-0.29	0		0
	Deduct Ventilaters	10	0.6	0.23	0.45	-0.62	0		0
	Doors TB extension and Middle door	1	1.5	0.23	0.7	-0.24	0		0
	For Toilet Block 2	1	8.52	0.23	2.8	5.49	0		0
	Front opening	1	1.05	0.23	2.8	-0.68	0		0
	Front side of toilet	1	2.55	0.23	2.8	1.64	0		0
	Right side of toilet	1	2.34	0.23	2.8	1.51	0		0
	Right side of toilet back side brickwork	1	2.64	0.1	2.8	0.74	0		0
	Right side of toilet back side brickwork	1	2.7	0.23	2.8	1.74	0		0
	Toilet Block Allround	1	13.21	0.23	2.85	8.66	0		0
	Toilet Partition walls	1	2.27	0.23	2.8	1.46	0		0
	West side to new wall of toilet	1	4.67	0.23	0.92	0.99	0		0
	Total					18.71	5115.47	cum	95,710
	Flooring with Non-skid red or white full body Ceramic floor tiles, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work (Excluding GST)								
	Deduct Brickwork	1	2.72	0.23	0	-0.63	0		0
	Deduct Brickwork Toilet block2	1	2.35	0.23	0	-0.54	0		0
	Deduct water closet	1	0.45	0.55	0	-0.25	0		0
	Deduct water closet	1	0.45	0.55	0	-0.25	0		0
	Old toilet	0	0	0	0	0	0		0
	Old toilets	2	1.6	1.6	0	0	0		0
	Right side of toilet	1	2.7	2.75	0	7.43	0		0
	Toilet block 2	1	2.6	2.25	0	5.85	0		0
	Toilets inside	1	2.37	2.55	1	6.04	0		0
	Total					17.65	716.13	sqm	12,640

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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 entrance TB1	1	0.73	0	0.14	0.1	0			0
At entrance TB2	1	0.78	0	0.22	0.17	0			0
At Urinals	1	0.7	0	0.25	0.17	0			0
At Urinals	1	7.53	0	0.1	0.75	0			0
At Urinals	2	2.24	0	0.15	0.67	0			0
At Water closet	1	0.7	0	0.25	0.17	0			0
At Water closet	1	0.72	0	0.25	0.18	0			0
For partition walls 2and steps	1	3.41	0	1.72	5.87	0			0
Old toilet	2	4.2	0	1.7	14.28	0			0
Old toilet block extension	1	8.76	0	2.08	18.22	0			0
Opening	0	0	0	0	0	0			0
Partition walls	1	3.95	0	1.76	6.95	0			0
Toilet block 1	1	8.37	0	2.09	17.49	0			0
Toilet block 2	1	9.15	0	2.04	18.67	0			0
Total					83.69	558.77	sqm		46,763
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)									
Other Grills in toilet	65	0	0	0	65	0			0
Ventilators	55	0	0	0	55	0			0
Total					120	70.08	Kgs		8,410
Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded. (Excluding GST)									
12mm HYSD bars	331.7	0	0	0	331.7	0			0
8mm HYSD bars	242.5	0	0	0	242.5	0			0
Total					574.2	48.41	Kgs		27,797

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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)								
SWR/ PVC pipes at Hand Wash	2	4	0	0	8	0		0
SWR/ PVC pipes at Urinals	2	5	0	0	10	0		0
Total					18	89.1	rmt	1,604
Supplying and fixing of 110 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326) (Excluding GST)								
Rain Water Pipes	1	4	0	0	4	0		0
Sanitary Connections	2	4	0	0	8	0		0
Total					12	169.13	rmt	2,030
Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[22.20 mm dia CPVC SDR 13.50]. (Excluding GST)								
Hand Wash	1	15	0	0	15	0		0
Toilet Tap Connections	2	12	0	0	24	0		0
Total					39	85	rmt	3,315
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)								
At toilets	1	15	0	0	15	0		0
Total					15	123	rmt	1,845
Supplying and fixing of European Water Closet of 1st quality confirming to IS: 2556-Part-2-1973 of Hindustan / Neycer or Parryware make white gllazed with S trap lying and fixing best Indian make plastic seal and lid for European water closets with rubb, 10 Litres capacity Single Flush white PVC low level flushing system parryware, slimline with internal components and short bend including cost and conveyance of all materials to site, all labour charges, sales and other taxes on all materials etc., complete for finished item of work for all floors. (Excluding GST)								

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	EWC for Toilet	2	0	0	0	2	0		0
	Total					2	2469	Nos	4,938
	Supplying and fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 of size 550mm x 400mm 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 grams Seiko/ Esso or equivalent complete with standard CI brackets including wooden block ,1 No.12.70mm PVC connection with brass union nuts CP coated , 1 No.12.70mm NP bib tap 300 gms Seiko or equivalent including cost and conveyance of all materials to site, labour charges etc. complete for finished item of work (Excluding GST)								
	Hand wash basin	5	0	0	0	5	0		0
	Total					5	1894	Nos	9,470
	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	0	0	0	0	0	0		0
	Total					0	351.76	Nos	0
	Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	For Toilet Block 1 and 2	1	30	0	0	30	0		0
	Total					30	71.44	mtr	2,143
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 125mm thick] (Excluding GST)								
	Toilet block 1	1	8.3	3.4	0.13	3.67	0		0
	Toilet block 2	1	3.45	3.35	0.13	1.5	0		0
	Total					5.17	7151.89	cum	36,975
	Labour charges only Fixing Orissa pan W.C with P or S Trap (BMW-D.06) (Excluding GST)								
	Orissa water closet	3	0	0	0	3	0		0
	Total					3	377	Nos	1,131
	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. (Excluding GST)								

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	Orissa pan water closet	3	0	0	0	3	0		0
	Total					3	1185	Nos	3,555
	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. (Excluding GST)								
	Urinal bowls big at TB1	0	0	0	0	0	0		0
	Total					0	2277.07	Nos	0
	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. (Excluding GST)								
	Hand wash basin	5	0	0	0	5	0		0
	Total					5	1478.17	Nos	7,391
	Labour charges only for fixing Indian make Flat Back Wash Hand Basin with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting Pillar Taps complete with standard CI brackets including wooden block (BMW-D.28) (Excluding GST)								
	Labour charges for hand wash basin	5	0	0	0	5	0		0
	Total					5	319	Nos	1,595
	(CERA Sanitaryware Ltd) Supplying white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with internal flushing rim fixed with screws complete Indian make conforming to IS:2556 – 1995 including cost and conveyance of all materials and all labour charges like loading , unloading & stacking etc., to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	Urinal bowls	5	0	0	0	5	0		0
	Total					5	712.72	Nos	3,564
	Plastering with CM 2 coats, 20mm thick, base coat in CM (1:6), 16mm thick and top coat in CM (1:4), 4mm thick with Dubara sponze finishing including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								
	Deduct Big ventilator	1	1.5	0	0.7	-1.05	0		0
	Deduct Door TB2	1	0.73	0	1.97	1.44	0		0
	Deduct ventilator	6	0.6	0	0.45	-1.62	0		0
	Deduction of toilet block 1	1	0.79	0	1.93	-1.52	0		0

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	Deduction of toilet block 2 all over building	0	0	0	0	0	0		0
	Jambs of doors	4	0.25	0	1.64	1.64	0		0
	Jambs of ventilators	12	0.45	0	0.25	1.35	0		0
	Sunshades front side old attached school	1	13.42	0	0.15	2.01	0		0
	Toilet block 1 all around	1	13.42	0	2.85	38.25	0		0
	Toilet block 2	1	11.78	0	2.88	33.93	0		0
	Total					74.43	314.19	sqm	23,385
	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads & contractor profit etc., complete [Brick masonry] (Excluding GST)								
	Old toilet block	1	6	0.23	3	4.14	0		0
	Total					4.14	262.08	cum	1,085
	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)								
	Granite for Urinal sides	4	0.55	0	0.93	2.05	0		0
	Total					2.05	1742.23	sqm	3,572
	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)								
	At Urinals	1	7.53	0	0.35	2.64	0		0
	Right side of toilet	1	8.76	0	2.7	0	0		0
	Toilet block 1	1	8.37	0	2.72	0	0		0
	Toilet block 1 East side of toilet	1	3.95	0	2.72	10.74	0		0
	Toilet block 2	1	3.41	0	2.72	0	0		0
	Toilet block 2	1	9.15	0	2.72	0	0		0
	Total					13.38	231.87	sqm	3,102
	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	45379.03	PERCENT AGE	45,379

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