

మన బడి నాడు-నేడు

Measurement Book No : 28236000106001

District Name	:	CHITTOOR
Mandal Name	:	PEDDAPANJANI
Village Name	:	BATTAMDODDI
Name of the Executing Agency	:	Panchayat Raj
Name of School	:	MPPS SREERAMAPURA M
U-Dise Code	:	28236000106
Technical Sanctioned Amount	:	1725541
Admin Sanctioned Amount	:	1725541
Total Expenditure	:	1398247

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Abstract

U-Dise Code : 28236000106
Technical Sanctioned Amount : 1725541
Admin Sanctioned Amount : 1725541
Total Expenditure : 1398247
MBook Number : 28236000106001

Work Code	Work type name	Estimated Cost	Value of work done
201920012603	English Labs	40000	41439
201920030972	Green Chalk Board	82474	82392
201920031313	Furniture for Students and Staff	381713	144895
201920032035	Providing Electrification with Fans and Tube Lights	120949	102811
201920033073	Major and Minor Repairs	548375	508651
201920040671	Paintings to School	200058	121698
201920043875	Construction of Toilet with Running Water	193254	186393
201920046340	Drinking Water Supply	158718	209969
	Total	1725541	1398247

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 : 201920012603 **Name of the Work** : English Labs
Administrative Sanction No : Proc.No2823005661/MBNN/2020-2021 **Technical Sanctioned** : 112 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 : 201920030972 **Name of the Work** : Green Chalk Board
Administrative Sanction No : Proc.No2823005661/MBNN/2020-2021 **Technical Sanctioned** : 112 No
Estimate Amount (in Rs.) : 82,474/- **Work MBook Amount** : 82,392/- (in Rs.)

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

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(Prince Board India) Green Chalk Boards - Supply and fixing of ceramic steel / Porcelain enamel Steel Green Chalk Boards of size 2400mmx 1200mm with vitreous enamel steel sheet thickness 0.3mm to 0.40mm with Ceramic steel (Belgium make)/ Porcelain enamel steel 0.3mm to 0.4mm (Japan make) engraving on surface (having vitreous enamelled coating both sides) 0.095mm thick top surface coating and back surface coating thickness of 0.03mm, supported with 9mm thick MDF Board (make : Greenlam / Merino / Century / Kitply / Greenply / ASIS of ISI standards and water proofing) for back support and it backing with 0.25mm thick galvanized iron sheet (make : TATA / JSW / Sail / Vizag Steel), fixed with anodized aluminium frame 20mm wide and 1.2mm thick and board shall be given additional support on all four sides with Aluminium J-Clamps (8 Nos.).Cost includes production cost for complete finished item of work, conveyance of all materials to work site, all labour charges like loading, unloading, Fixing, GST and all other taxes, charges and Rates etc., as applicable from time to time. The item shall carry a Warranty period of 7 (Seven) years from the date of Supply (Including GST)									
green chalk boards	8	0	0	0	8	0			0
Total					8	10299	Nos		82,392

Work Code	: 201920031313	Name of the Work	: Furniture for Students and Staff
Administrative Sanction No	: Proc.No2823005661/MBNN/2020-2021	Technical Sanctioned	: 112 No
Estimate Amount (in Rs.)	: 3,81,713/-	Work MBook Amount	: 1,44,895/- (in Rs.)

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

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Providing supplying and placing dual desk in class. The overall dimensions of desk will be W 1066mm x D 930mm x H 760/452mm having the following specifications. Side frame structure: Made of prime quality CRCA pressed from section 165mm x 25mm x 1mm thick welded to 25mm x 50mm x 1.2mm thick CRCA tube 890mm length. Seat and back side frame structure also made of prime quality CRCA pressed also made of prime quality CRCA pressed from section 165mm x 25mm x 1mm thick welded to 25.4mm diameter x 1.2mm thick all 8 nos. horizontal supports are 25mm x 25mm x 1.2mm thick shall be of CRCA tube 4 nos CRC tube size 20 x 20 x 1 mm thick insert for full height in Big pillar. Ractangular tube 50 x 25 x 1.2mm thick should be closed with PPCP cap both sides and pipe dia. 25.4 x 1.2mm thick should be closed with metal (Back Side) and other side (Under the seat) PPCP cap. Front panel cum tray shall be made of prime quality 0.8mm thick CRCA sheet of H 150mm x W 1012mm x D 300mm with middle partition and side stiffers of MS CRCA tube size 19mm x 19mm x 1mm thick. One vertical support (partition) of square tube size 25mm square x 1.2 mm thick must be provided at center of tray and front face must be embossed as per drawing. Additional front panel prime quality 0.8mm thick CRCA sheet size H 150mm x W 1012mm x D 21mm with square perforation. CRCA tube size 19 x 19 x 1mm thick to be inserted for full length at bottom of jali. Desktop, seat and back shall be made of IS:303, 18mm thick plywood of MR grade OSL (one side laminated and one side balancing) and three edges must be sealed with 2mm thick PVC edge banding tape with hot melt glue standard D4499 jowatherm -280 on through feed edge banding machine. Edge band must be trimmed on edges and corner. Sizes are below : 1. seat W 1066 mm x D 300mm 2. Desktop W 1008mm x D 380mm 3. Back 1066mm x D150 mm 4. One long edge of Desk top, seat and back shall be post formed with round edge. Hook made of MS wire dia. 5mm and size W 23mm, D 32mm and H80mm must be provided on inner side of vertical pressed formaed steel section on both sides All MS, CRCA parts must be MIG, TIG or spot welded as per technical requirement All stell components must be powder coated in satin finish with pretreatment process. (Excluding GST)									
Dual desks for students	0	0	0	0	0	0	0		0
Total					0	6930	Nos		0
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 (rea??rmed 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		0
Total					0	7850	Nos		0
Teacher Table in classroom, Table Top Material is 18 mm thick prelaminated Particle Board (Not as per IS8126) Thickness (±2 mm). One side double storage is provided and pedestals (under structure) Mild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm (Excluding GST)									
Teacher Table	0	0	0	0	0	0	0		0
Total					0	3304	Nos		0
Teacher Chair in classroom, Library room, Laboratory room Seat and Backrest is Made of Polythene cane. (Excluding GST)									
Teacher Chair	0	0	0	0	0	0	0		0
Total					0	1050	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)

type 2 desks	18	0	0	0	18	0		0
Total					18	6821.78	Nos	1,22,792
Provision for GST @ 12.00%								
Provision for GST	1	0	0	0	1	0		0
Total					1	22102.57	PERCENT AGE	22,103

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Work Code : 201920032035 **Name of the Work** : Providing Electrification with Fans and Tube Lights
Administrative Sanction No : Proc.No2823005661/MBNN/2020-2021 **Technical Sanctioned** : 112 No
Estimate Amount (in Rs.) : 1,20,949/- **Work MBook Amount** : 1,02,811/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	In Walls	1	25	0	0	25	0		0
	Total					25	71.44	mtr	1,786
	Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete for Light, Fan, Exhaust Fan etc., complete. (Excluding GST)								
	Fan Points	16	0	0	0	16	0		0
	Light Points	20	0	0	0	20	0		0
	Total					36	611.17	Nos	22,002
	Supply and fixing of 6A 3 pin wall plug socket with a 6A switch control on a common switch board with earth continuity including wire leads, earth connections along with all labour charges etc., complete. (Excluding GST)								
	6A 3 pin Sockets	31	0	0	0	31	0		0
	Total					31	108.34	Nos	3,359
	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)								
	gold medal led tube lights	16	0	0	0	16	0		0
	Total					16	867.5	Nos	13,880

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Supply and transportation of 60 W LED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughened glass (Excluding GST)									
LED Street light Luminaire	3	0	0	0	3	0			0
Total					3	5900	Nos		17,700
Supply and fixing of 1 Module Modular type Electronic step type Fan Regulator. in the existing switch board. (Excluding GST)									
Fan Regulator	16	0	0	0	16	0			0
Total					16	365	Nos		5,840
Supply and Run of 2 of 10 sq. mm WPSC (Weather Proof Single Core) Aluminium cable along with No.10 SWG G.I. bearer wire through PVC cleats with all accessories including labour charges etc., complete for service mains (Excluding GST)									
street pole to school main meter	1	34	0	0	34	0			0
Total					34	75	mtr		2,550
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 distbuton board	1	0	0	0	1	0			0
Total					1	4107.07	Nos		4,107
(Crompton greaves) Ceiling Fans- Supply & Fixing of 1200mm (48) sweep, 380 RPM at 230V with high speed, ceiling fan with air delivery of 210 (CMM) and wattage of 50 to 75W having 3 blades and double ball bearing with all standard accessories like 100% copper winding, down rod 300mm length and 19.20mm dia meter, anti-corrosion aluminium body and blades having thickness of 1.08mm with glassy powder coated paint finish (Ivory colour) etc., including cost and conveyance of all materials to site (of school) including loading and un-loading and fixing etc., complete for finished item of work. (Crompton / Usha / Bajaj / Havells / Orient / Khaitan / Polar / GEC / Almonard) including GST and all taxes etc., as applicable from time to time. The item shall carry a warranty period of 3 (three) years from the date of supply (Including GST)									
crompton ceiling fans	16	0	0	0	16	0			0
Total					16	1440	Nos		23,040
Provision for GST @ 12.00%									
Provision for GST	1	0	0	0	1	0			0
Total					1	8546.85	PERCENT AGE		8,547

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Administrative Sanction No

: Proc.No2823005661/MBNN/2020
-2021

Technical Sanctioned : 112
No

Estimate Amount (in Rs.)

: 5,48,375/-

Work MBook Amount : 5,08,651/-
(in Rs.)

Date of Measure ment	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	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)								
	Toilet Block-Long Wall1	2	2.4	0.23	2.3	2.54	0		0
	Toilet Block-Partition Walls	1	1.5	0.23	2.3	0.79	0		0
	Toilet Block-Short Wall1	2	1.5	0.23	2.3	1.59	0		0
	Total					4.92	262.08	cum	1,289
	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads & contractor profit etc., complete [Old cement mortar plaster] (Excluding GST)								
	hand wash	1	0.36	0.14	0	0.05	0		0
	hand wash	1	7.35	0.16	0	1.18	0		0
	hand wash	1	5.05	0.74	0	3.74	0		0
	hand wash	1	4.75	2.6	0	12.35	0		0
	hand wash	1	9.8	0.1	0	0.98	0		0
	in hand wash	1	5	0.25	0	1.25	0		0
	in hand wash	1	5	0.38	0	1.9	0		0
	in hand wash	1	4.7	0.36	0	1.69	0		0
	in hand wash	1	5.4	0.1	0	0.54	0		0
	in hand wash	1	5.05	0.18	0	0.91	0		0
	Total					24.59	5.5	Sqm	135
	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)								
	Kitchen Shed - Outside Long Walls	1	6	0	0	6	0		0

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	Total					6	38	rmt	228
	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)								
	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)								
	motor room bed pcc	1	0.92	0.72	0.15	0.1	0		0
	Total					0.1	4348.25	cum	435
	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)								
	around parking tiles	1	58.25	0.6	0	34.95	0		0
	beside footpath bed	1	44.95	0.28	0	12.59	0		0
	columns above wall	4	0.85	0	0.3	1.02	0		0
	columns above wall	4	0.85	0	0.3	1.02	0		0
	compound wall inside	6	3.25	0	1.3	25.35	0		0
	compound wall inside	1	3.8	0	1.3	4.94	0		0
	compound wall out side	1	1.1	0	1.5	1.65	0		0
	compound wall outside	1	3.8	0	0.82	3.12	0		0
	compound wall outside	6	2.85	0	1.5	25.65	0		0
	compoundwall inside	1	1.1	0	1.2	1.32	0		0
	for brick columns	7	0.62	0	1.5	6.51	0		0
	motor room	2	0.9	0.8	0	1.44	0		0
	motor room	3	0.7	0.7	0	1.47	0		0
	Total					121.03	232.76	sqm	28,171
	Plastering with CM(1:4) Prop: 20mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work Over RR Masonry. (APSS 901,906) (Excluding GST)								
	for compound waall inside	3	3.25	0.7	0	6.82	0		0

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	for compoundwall outside	6	3.25	0.5	0	9.75	0		0
	Total					16.57	246.91	sqm	4,091
	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)								
	brick pillars	8	0.37	0.37	0.7	0.77	0		0
	Compound Wall-Wall1	1	22	0.23	0.4	2.02	0		0
	Total					2.79	5126.88	cum	14,304
	Brick masonry in CM (1:6) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Basement. (Excluding GST)								
	around parking tiles	1	58.25	0.1	0.25	1.46	0		0
	around pcc footpath	1	44.95	0.1	0.08	0.36	0		0
	motor room	3	0.72	0.1	0.7	0.15	0		0
	Total					1.97	4784.41	cum	9,425
	Brick Masonry work in CM (1:6) prop with Flyash Cement of size 290x200x140 mm with compressive of 50 Kgs/Sqcm from approved source including cost and conveyance of all materials, labour charges and curing etc.,for Basement walls. (Excluding GST)								
	around parking tiles	1	42.9	0.14	0.2	1.2	0		0
	Total					1.2	4580.4	cum	5,496
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 100mm thick] (Excluding GST)								
	motor room slab	1	0.7	0.9	0.07	0.04	0		0
	Total					0.04	7853.49	cum	314
	Plastering with CM 2 coats, 12mm thick, base coat in CM (1:5), 8mm thick and top coat in CM (1:3), 4mm thick with water proof Compound manufactured by reputed manufacturers as approved by engineering incharge at 1kg per 1 bag of cement including sponze finishing and cost and conveyance of all materials and all labour charges etc., complete for external walls [Flyash Bricks]. (Excluding GST)								
	beside parking tile	1	42.9	0.55	0.55	23.6	0		0
	Total					23.6	304.92	sqm	7,196
	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)								
	Entrance Main Gate	62	0	0	0	62	0		0

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	Total					62	70.08	Kgs	4,345
	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)								
	hand wash around	1	9.8	0.1	0	0.98	0		0
	Kitchen Shed-Room1	1	9.77	0.1	1	0.98	0		0
	Total					1.96	756.59	sqm	1,483
	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 door step	1	1	0.85	0	0.85	0		0
	deductions	2	0.14	0.11	0	-0.03	0		0
	for hand wash	1	5.05	0.18	0	0.91	0		0
	for hand wash	1	0.36	0.14	0	0.05	0		0
	for hand wash	1	0.36	0.16	0	0.06	0		0
	for hand wash	1	5.05	0.74	0	3.74	0		0
	in kitchen	1	1.51	1.43	0	2.16	0		0
	in kitchen	1	2.7	1.6	0	4.32	0		0
	in kitchen	1	1.2	0.45	0	0.54	0		0
	in kitchen	1	1.35	0.45	0	0.61	0		0
	in kitchen in side	1	3.17	0.47	0	1.49	0		0
	Total					14.7	1997.38	sqm	29,361
	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)								
	around hand wash	1	4.75	2.6	0	12.35	0		0
	around tiles	1	9.8	0.15	0	1.47	0		0
	deductions	1	0.9	0.9	0	-0.81	0		0
	Total					13.01	716.81	sqm	9,326

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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)									
deductions	2	0.14	0.14	0	-0.04	0			0
hand wash area	1	5	0.38	0	1.9	0			0
hand wash area	1	4.7	0.36	0	1.69	0			0
hand wash area	1	5	0.25	0	1.25	0			0
Total					4.8	559.44	sqm		2,685
Flooring with precast concrete blocks for paving of M-40 grade and thickness not less than 80 mm for Non-traffic areas conforming to IS 15658:2006 only after it is properly cured, cleaned, moistered and where necessary treated with neat grey cement slurry of honey like consistency spred at3.3 kgs of cement for 1 sqm. and jointed with neat cement paste to full depth, including cost and conveyance of all materials like cement, sand, water, flooring stones etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as dressing of flooring stones to the required sizes, mixing of cement mortar, laying, jointing, curing, lift charges etc., complete for finished item of work. (Excluding GST)									
at backside way	1	1.42	1.1	0	1.56	0			0
at main entrance	1	7	4.9	0	34.3	0			0
at turning	0.5	4.2	7	0	14.7	0			0
beside toilet	1	9.5	5.42	0	51.49	0			0
block 1 front side	1	7.5	7.47	0	56.02	0			0
block 1 front side	1	3.18	8.35	0	26.55	0			0
block 2 front side	1	14.31	4.8	0	68.69	0			0
block 2 front side	1	4.9	6.85	0	33.56	0			0
deduct septic tank open	1	0.5	0.43	0	-0.21	0			0
deduct toilet area	1	2.65	2.1	0	-5.57	0			0
deduct triangle area	0.5	2	1.2	0	-1.2	0			0
deduction tree area	1	0.75	0.85	0	-0.64	0			0
Total					279.25	774.49	sqm		2,16,276
Sand 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.[Sand filling] (Excluding GST)									

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	Pavement - Open Court Yard1	1	10.5	6.7	0.35	24.62	0		0
	yard2	1	14.5	6.45	0.3	28.06	0		0
	yard3	1	15	10.2	0.25	38.25	0		0
	yard4	1	12	5.5	0.2	13.2	0		0
	Total					104.13	729.4	cum	75,952
	Stone Dust 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.[Stone Dust filling] (Excluding GST)								
	deduct septic tank	1	0.5	0.43	1	-0.21	0		0
	deduct toilet	1	2.65	2.1	1	-5.57	0		0
	deduct tree area	1	0.75	0.85	1	-0.64	0		0
	deduct triangle	0.5	2	1.2	1	-1.2	0		0
	Pavement - Open Court Yard1	1	9.5	5.42	0.07	3.6	0		0
	Pavement - Open Court Yard2	1	1.42	1.1	0.07	0.11	0		0
	Pavement - Open Court Yard3	1	7.5	7.47	0.07	3.92	0		0
	Pavement - Open Court Yard4	1	3.18	8.35	0.07	1.86	0		0
	yard10	1	14.31	4.8	0.07	4.81	0		0
	yard5	1	4.9	6.85	0.07	2.35	0		0
	yard6	1	4.2	7	0.08	2.35	0		0
	yard7	1	7	4.9	0.08	2.74	0		0
	Total					14.12	817.4	cum	11,542
	Supply & fixing pre-painted galvalium trepizoidal profile roofing sheets with 0.47mm thickness,coating Alu-zinc coating AZ 150 GSM. Tensile strength : 550 MPA,paint coating : Regular modified polyster painting. Thickness (top) 18-20 microns,(bottom) 5-7microns including C/C of all materials like sheets, J bolts, bitumen washers etc. with or without ridge with sales & all other taxes & all labour charges etc. complete for fixing sheets in position. (Excluding GST)								
	Kitchen Shed-Shed1	1	3.5	4.1	1	14.35	0		0
	Total					14.35	466.91	sqm	6,700

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	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 junction	1	1.1	1.75	0.1	0.19	0		0
	at ramp	1	8.4	2.42	0.1	2.03	0		0
	infront old toilet	1	2.05	0.95	0.1	0.19	0		0
	infront old toilet	1	5.4	1.25	0.1	0.68	0		0
	kitchen front	1	4.9	1.1	0.1	0.54	0		0
	kitchen front	1	4.1	2.75	0.1	1.13	0		0
	long part	1	8.1	1	0.1	0.81	0		0
	under parking tiles side walls	1	101.15	0.25	0.1	2.53	0		0
	Total					8.1	3135.34	cum	25,396
	Filling with useful available excavated earth (excluding rock) in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work.[Earth filling (Ordinary soil)] (Excluding GST)								
	part 01	0	0	0	0	0	0		0
	part 02	0	0	0	0	0	0		0
	part 03	0	0	0	0	0	0		0
	part 04	0	0	0	0	0	0		0
	Total					0	29.54	cum	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	54498.36	PERCENT AGE	54,498

Work Code : 201920040671

Name of the Work : Paintings to School

Administrative Sanction No : Proc.No2823005661/MBNN/2020
-2021

Technical Sanctioned : 112
No

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Estimate Amount (in Rs.)

: 2,00,058/-

Work MBook Amount : 1,21,698/-

(in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Removing White wash or Colour wash by steel wire brushing and/or scraping; sand papering and preparing the wall surface smooth including necessary repairs to scratches complete. (Excluding GST)								
	Outside Cross Walls - Block1	0	0	0	0	0	0		0
	Outside rare wall - Block1	0	0	0	0	0	0		0
	Total					0	8.78	sqm	0
	Removing White wash or Colour wash by steel wire brushing and/or scraping; sand papering and preparing the ceiling and/or sloping roofs surface smooth including necessary repairs to scratches complete. (Excluding GST)								
	inside class rooms	0	0	0	0	0	0		0
	Rooms inside ceiling - Block1	0	0	0	0	0	0		0
	Rooms inside ceiling - Block2	0	0	0	0	0	0		0
	Total					0	10.21	sqm	0
	Painting to New walls with two coats of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor INTERNAL Make : Asian, Burger, Nerolac (Excluding GST)								
	doors	0	0	0	0	0	0		0
	toilet inside	0	0	0	0	0	0		0
	Total					0	121.78	sqm	0

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	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)								
	around parking tiles	0	0	0	0	0	0		0
	around parking tiles	0	0	0	0	0	0		0
	compound wall	0	0	0	0	0	0		0
	compound wall	0	0	0	0	0	0		0
	compound wall	0	0	0	0	0	0		0
	compound wall	0	0	0	0	0	0		0
	doors	0	0	0	0	0	0		0
	for walls around pcc	0	0	0	0	0	0		0
	gate columns	0	0	0	0	0	0		0
	motor room	0	0	0	0	0	0		0
	new toilet	0	0	0	0	0	0		0
	new toilet slab extension	0	0	0	0	0	0		0
	over head tank	0	0	0	0	0	0		0
	ventilators	0	0	0	0	0	0		0
	Total					0	219.04	sqm	0

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(Berger Paints India) Painting to walls with two coats of acrylic emulsion paint weather proof water based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter / Interior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing / scrubbing the surface to remove old paint / lime surface any other adhesives / all loose powdered materials with mechanical devices (optimum pressure) like automatic sandar and mechanical scrubber or manually (where ever mechanical scrubbing not possible) as per technical specification / conditions and including Bio wash / Jet wash / repairs to cracks upto 5mm with acrylic paste / dampness / patches to restore the wall surface apply primer and acrylic emulsion exterior grade / interior grade of the company manufactured as per the given specifications, in two coats. Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools / equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and including all taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company with a warranty period of 7 Years for entire painting & paint coloring Total 3 (three) coats:1. Primary Coat 2. Emulsion paint 2(two coats) Exterior (1) Exterior Emulsion should satisfy following parameters : - Dry film thickness for primary coat (Barrier coat) = 70 – 80 Microns, Dry film thickness for emulsion 2 coats = 50 – 60 Microns, Sheen levels at 60 degree GH = > 18 as measured in white, Water resistance = passes> 48 Hrs as per ASTM D870 – 15, Flame spread resistance = Passes as per BS 476 – PART-7 –1997 : Rating Class-I, Resistance to Alkali= Efflorescence Test (Water Permeability test as per SS-500-2002), Durability against colour, flaking, cracking, chalking and weathering = 7 Years warranty on colour & film integrity. Surface drying type = 30 minutes, Spread area = 50 – 60 sqft, Adhesive capacity = Pull of adhesion > 1.5 Mpa, Temperature stability = QUVA > 1000 hours, Dust Repellent = Natural weather exposure for 3 months – No visual difference initially and after cleaning (Including GST)									
around parking tiles	1	58.25	0	0.33	19.22	0			0
at window jams	4	2.7	0.25	0	2.7	0			0
bld 2 side elevation	2	3.3	0.65	0	4.29	0			0
building 01	2	5.45	0	4.65	50.69	0			0
building 01	2	3.24	0	1.74	11.28	0			0
building 01	1	12.92	0	1.74	22.48	0			0
building 01	1	14.15	0.9	0	12.74	0			0
building 01	4	2	0.6	0	4.8	0			0
building 01 bottom elevation	1	14.15	0	0.65	9.2	0			0
building 01 side elevation	1	3.25	0	0.65	2.11	0			0
building 01 side elevation	1	3.25	0	0.9	2.93	0			0
building 01 varanda foundation	2	3.25	0	0.3	1.95	0			0
building 02	1	12.95	0	5	64.75	0			0

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building 02	1	5.45	0	4.6	25.07	0		0
building 02	1	5.45	0	5	27.25	0		0
building 02	2	3	0	1.8	10.8	0		0
building 02	1	12.95	0	1.8	23.31	0		0
building 02 elevation	1	14.15	0.9	0	12.74	0		0
building 2 front elevation	1	14.15	0.65	0	9.2	0		0
building 2 side elevation	2	3.3	0.9	0	5.94	0		0
building01	1	12.92	0	4.65	60.08	0		0
columns	5	0.26	0.26	0	-0.34	0		0
columns area	5	0.26	0.26	0	-0.34	0		0
compoun internal	1	1.05	0	1.4	1.47	0		0
compound columns	18	0.1	0	1.5	2.7	0		0
compound internal	1	3.78	0	1.1	4.16	0		0
compound internal	1	1.5	0	2.3	3.45	0		0
compound internal	1	10.18	0	2.25	22.91	0		0
compound internal	1	9.7	0	1.9	18.43	0		0
compound internal	1	20.1	0	1.5	30.15	0		0
compound wall outside	1	9.7	0	1.95	18.91	0		0
compound wall outside	1	1.05	0	1.4	1.47	0		0
compound wall outside	1	3.78	0	0.8	3.02	0		0
compoundwall outside	1	1.5	0	2	3	0		0
compoundwall outside	1	10.18	0	1.95	19.85	0		0
compoundwall outside	1	20.1	0	1.75	35.18	0		0
fly ash brick wall	1	42.9	0	0.28	12.01	0		0
for hand wash wall	1	1.3	0	0.8	1.04	0		0
for hand wash wall	1	0.9	0	0.8	0.72	0		0
gate columns	8	0.6	0	1.67	8.02	0		0
jams of windows	4	2.7	0.25	0	2.7	0		0
kitchen back wall	1	3.67	0	2.85	10.46	0		0
kitchen door	1	0.87	0	1.85	-1.61	0		0
kitchen front side	1	3.67	0	2.83	10.39	0		0
kitchen side wall	1	3.67	0	2.8	10.28	0		0
kitchen side wall	1	3.67	0	1.91	7.01	0		0

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kitchen sunshade	1	1.43	0.46	0	0.66	0	0
kitchen sunshade	1	1.43	0.46	0	0.66	0	0
kitchen window	1	0.9	0	1.2	-1.08	0	0
motor room	1	0.9	0	0.9	0.81	0	0
motor room	1	0.9	0	0.82	0.74	0	0
motor room	1	0.72	0	0.82	0.59	0	0
motor room	1	0.72	0	0.83	0.6	0	0
new toilet door	2	0.72	0	2	-2.88	0	0
new toilet slab extension	2	6.1	0	0.3	3.66	0	0
new toilet ventilator	2	0.45	0	0.45	-0.41	0	0
new toilet wall	2	3.1	0	2.4	14.88	0	0
new toilet wall	2	2.47	0	2.4	11.86	0	0
old toilet door	1	0.75	0	1.81	-1.36	0	0
old toilet door	1	0.75	0	1.9	-1.42	0	0
old toilet for kadapa plate	2	0.34	1.06	0	0.72	0	0
old toilet jams of door	2	0.24	0	1.91	0.92	0	0
old toilet jams of doors	2	0.24	0	1.81	0.87	0	0
old toilet long wall	2	3.36	0	2.36	15.86	0	0
old toilet slab extension	2	2.35	0	0.2	0.94	0	0
old toilet slab extension	2	3.36	0	0.2	1.34	0	0
old toilet wall	2	2.07	0	2.36	9.77	0	0
ramp wall 1	1	1.37	0	0.65	0.89	0	0
ramp wall 1	1	1.5	0	0.76	1.14	0	0
ramp wall 1	1	5.32	0	0.85	4.52	0	0
ramp wall 1	1	5.2	0	0.75	3.9	0	0
ramp wall 2	1	1.37	0	0.7	0.96	0	0
ramp wall 2	1	1.5	0	0.85	1.27	0	0
ramp wall 2	1	1.72	0	0.7	1.2	0	0
ramp wall 2	1	1.5	0	0.8	1.2	0	0
ramp wall 2	1	3.2	0	0.62	1.98	0	0
sunshades	4	2	0.6	0	4.8	0	0
water tank	4	3	1	0	12	0	0
windows	8	1.5	0	1.2	-14.4	0	0

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	Total					685.76	85.02	Sqm	58,303
	(Berger Paints India) Painting to walls with two coats of acrylic emulsion paint weather proof water based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter / Interior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing / scrubbing the surface to remove old paint / lime surface any other adhesives / all loose powdered materials with mechanical devices (optimum pressure) like automatic sandar and mechanical scrubber or manually (where ever mechanical scrubbing not possible) as per technical specification / conditions and including Bio wash / Jet wash / repairs to cracks upto 5mm with acrylic paste / dampness / patches to restore the wall surface apply primer and acrylic emulsion exterior grade / interior grade of the company manufactured as per the given specifications, in two coats. Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools / equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and including all taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company with a warranty period of 7 Years for entire painting & paint coloring Total 3 (three) coats:1. Primary Coat 2. Emulsion paint 2(two coats) Interior (2) Interior Emulsion should satisfy following parameters : - Dry film thickness for primary coat = 15 – 20 Microns Dry film thickness for emulsion 2 coats = 45 – 50 Microns, Scrub cycles = Minimum 300 cycles as per ASTM D 3450, Washability = Minimum 14000 cycles, Sheen levels at 60 degree GH = <5 units, Resistance to Alkali= Passes the test as per IS 15489 – 2004, Durability against colour, flaking, cracking, chalking and weathering = 7 Years warranty on colour & film integrity., Surface drying type = 30 minutes, Spread area = 120 – 130 sqft per liter, Temperature stability = Passes the test as per IS 15489: 2004. (Including GST)								
	inside building	8	6.05	0	3.1	150.04	0		0
	t short wall	2	0.94	0	1.62	3.05	0		0
	below kadapa plate	4	0.6	0	0.6	1.44	0		0
	black board	1	3.2	0	1.68	-5.38	0		0
	dadooing	1	3.1	0	0.85	-2.63	0		0
	door	1	0.75	0	1.81	-1.36	0		0
	door	1	0.72	0	1.9	-1.37	0		0
	door	1	0.87	0	1.85	-1.61	0		0
	door	2	1.05	0	2.08	-4.37	0		0
	door	2	1.05	0	2.1	-4.41	0		0
	doors	2	1.05	0	2.08	-4.37	0		0
	doors	2	1.05	0	2.1	-4.41	0		0
	for columns	5	1.02	0	2.02	10.3	0		0
	for columns	5	1	0	1.97	9.85	0		0
	for kadapa plate	12	0.95	0	0.3	3.42	0		0

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	for kadapa stone	12	0.95	0	0.3	3.42	0		0
	inside	4	4.95	0	3.1	61.38	0		0
	invaranda	2	12.4	0	3.1	76.88	0		0
	kadapa plate	4	2.1	0	0.6	5.04	0		0
	kitchen inside	4	3.2	0	2.8	35.84	0		0
	name plate	1	0.7	0	1.2	-0.84	0		0
	new toilet door	2	0.72	0	2	-2.88	0		0
	new toilet ventilator	2	0.45	0	0.45	-0.41	0		0
	new toilet wall	4	0.89	0	0.9	3.2	0		0
	newb toilet wall	4	2.6	0	0.9	9.36	0		0
	old toilet l wall	2	1.8	0	2.2	7.92	0		0
	old toilet long wall	2	1.56	0	1.62	5.05	0		0
	old toiletshort wall	2	1.56	0	2.2	6.86	0		0
	short wall in block2	4	4.85	0	3.1	60.14	0		0
	short walls	2	2.75	0	1.07	5.89	0		0
	support wall	2	0.3	0	1.95	1.17	0		0
	support wall	2	0.3	0	1.95	1.17	0		0
	varanda	1	12.4	0	1.05	13.02	0		0
	varanda	2	2.94	0	1.05	6.17	0		0
	varanda	1	12.4	0	1.07	13.27	0		0
	varanda columns	5	1.02	0	2.02	10.3	0		0
	varanda columns	5	1	0	1.97	9.85	0		0
	varanda door	2	1.5	0	2.1	-6.3	0		0
	varanda door	2	1.5	0	1.2	-3.6	0		0
	varanda doors	2	1.05	0	2.08	-4.37	0		0
	varanda name plate	1	0.7	0	1.2	-0.84	0		0
	varanda wall	2	2.75	0	1.07	5.89	0		0
	varanda windows	2	1.5	0	1.2	-3.6	0		0
	ventilator	1	0.46	0	0.6	-0.28	0		0
	ventilator	1	0.6	0	0.46	-0.28	0		0
	windows	1	0.9	0	1.2	-1.08	0		0
	windows	6	1.5	0	1.2	-10.8	0		0
	windows	6	1.5	0	1.2	-10.8	0		0

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	windows	2	1.5	0	1.2	-3.6	0		0
	windows	2	1.5	0	1.2	-3.6	0		0
	Total					436.73	87.03	Sqm	38,009
(Berger Paints India) Grills and Gates (iron Doors, Windows, Gates, Grills etc.) with primary coat of Red oxide : - Specification :- Painting to Iron work with two coats of ready mixed Synthetic Enamel paints in all shades Grade – I Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools/equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and excluding taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company Total 3 (three) coats:1. Primary Coat of Red oxide 2. Ready mixed Synthetic Enamel paint 2(two coats) Interior / Exterior Requirements for Enamel, Synthetic, Exterior (a) under coating (b) Finishing with a warranty period of 7 Years for entire painting & paint Coloring (Including GST)									
	doors	5	2.1	1.05	0	11.03	0		0
	doors	4	0.75	2	0	6	0		0
	gate	1	4.36	1.5	0	6.54	0		0
	windows	12	1.2	1.5	0	21.6	0		0
	windows	12	1.5	1.2	0	21.6	0		0
	Total					66.77	90.01	Sqm	6,010
(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)									
	deduct name board	1	0.86	0	1.3	-1.12	0		0
	deduct window	1	1.5	0	1.2	-1.8	0		0
	in varanda 1	1	4.54	0	2	9.08	0		0
	in varanda 1	1	2.71	0	2	5.42	0		0
	in varanda 1	1	0.48	0	2	0.96	0		0
	in varanda 1	1	2.55	0	2	5.1	0		0
	wall art	0	0	0	0	0	0		0
	window	1	1.5	0	1.2	-1.8	0		0

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	Total					15.84	85	Sqm	1,346
	(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)								
	class room inside	2	6.05	4.95	0	59.9	0		0
	class room inside	2	6.05	4.85	0	58.68	0		0
	class room varanda 1	1	12.4	2.75	0	34.1	0		0
	class room varanda 2	1	12.4	2.94	0	36.46	0		0
	new toilet	2	2.6	0.89	0	4.63	0		0
	old toilet	1	1.56	0.94	0	1.47	0		0
	old toilet	1	1.56	1.8	0	2.81	0		0
	roof beams	4	4.85	0.3	0	5.82	0		0
	roof beams	6	2.75	0.2	0	3.3	0		0
	Total					207.17	87.03	Sqm	18,030

Work Code : 201920043875

Name of the Work : Construction of Toilet with Running Water

Administrative Sanction No : Proc.No2823005661/MBNN/2020
-2021

Technical Sanctioned : 112
No

Estimate Amount (in Rs.) : 1,93,254/-

Work MBook Amount : 1,86,393/-
(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 basement	2	3.35	0.6	0.6	2.41	0		0

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	for basement	2	1.5	0.6	0.6	1.08	0		0
	Septic Tank	1	3	1.8	1.8	9.72	0		0
	Total					13.21	267.54	cum	3,534
	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)								
	below rr masonry short walls	2	1.74	0.6	0.1	0.21	0		0
	below partition wall	1	2	0.6	0.1	0.12	0		0
	below rr masonry long walls	2	3.3	0.6	0.1	0.4	0		0
	deduction	2	0.45	0.45	0.1	-0.04	0		0
	pcc bed	2	2.55	0.85	0.1	0.43	0		0
	septic tank bed concrete	1	3	1.8	0.15	0.81	0		0
	Total					1.93	3135.34	cum	6,051
	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)								
	Room around (below GL & above GL)	2	3.2	0.45	0.8	2.3	0		0
	RR masonry toilet short walls	2	1.74	0.45	0.8	1.25	0		0
	Septic tank Around	2	4.5	0.3	1.5	4.05	0		0
	septic wall partition wall	2	1.1	0.2	1	0.44	0		0
	Total					8.04	3219.97	cum	25,889
	Sand 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.[Sand filling] (Excluding GST)								
	in septic tank	1	3	1.8	0.15	0.81	0		0
	in basement below	2	4.85	0.6	0.1	0.58	0		0
	Total					1.39	729.4	cum	1,014

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	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)								
	Inside Basement	1	2.45	1.5	0.5	1.84	0		0
	Total					1.84	401.1	cum	738
	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)								
	Room Middle walls	2	2	0.23	0.3	0.28	0		0
	Room Partition walls	1	2.55	0.23	0.3	0.18	0		0
	toilet long wall	2	3.1	0.23	0.3	0.43	0		0
	Total					0.89	8434.23	cum	7,506
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick] (Excluding GST)								
	Roof slab area(with 0.30m alround projection)	1	3.6	3	0.13	1.4	0		0
	Septic Tank	1	3.5	2	0.1	0.7	0		0
	Total					2.1	7419.14	cum	15,580
	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)								
	doors	2	0.73	0.23	2.02	-0.68	0		0
	man hole above	1	1	0.1	1	0.1	0		0
	Toilet Block Allround	1	10.1	0.23	2.4	5.58	0		0
	Toilet Partition walls	1	2.55	0.1	2.4	0.61	0		0
	ventilators	2	0.5	0.23	0.55	-0.13	0		0
	Total					5.48	5126.88	cum	28,095

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	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)								
	deductions	2	0.45	0.45	0	-0.41	0		0
	Toilets inside	2	2.55	0.85	1	4.33	0		0
	Total					3.92	716.81	sqm	2,810
	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)								
	Inside Toilets Allround	2	6.34	1.48	1	18.77	0		0
	Total					18.77	559.44	sqm	10,501
	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)								
	toilet door	125	0	0	0	125	0		0
	Total					125	70.08	Kgs	8,760
	Providing and fixing 28 -30 MM thick solid Wood Polymer Composite(WPC) single extruded door shutter with 3MM top and bottom rigid layer with an overall density of 750kg/Cum. It will be fixed to the frame using 3 inch /4 inch hinges. A minimum of 4 hinges will be required for fixing the door with the frame (Excluding GST)								
	Doors for Toilets	2	2.1	0.9	1	3.78	0		0
	Total					3.78	3030	sqm	11,453
	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)								

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	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)								
	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	180	0	0	0	180	0		0
	Total					180	48.41	Kgs	8,714
	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)								
	Sanitary Connections	1	13.5	0	0	13.5	0		0
	Total					13.5	169.13	rmt	2,283
	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[22.20 mm dia CPVC SDR 13.50]. (Excluding GST)								
	Toilet Tap Connections	1	18	0	0	18	0		0
	Total					18	85	rmt	1,530
	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	8	0	0	8	0		0
	Total					8	66.86	mtr	535
	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)								
	lights	4	0	0	0	4	0		0
	Total					4	611.17	Nos	2,445
	Supply and Fixing of batten holder/angle holder on existing block with 7.0W LED bulb and all labour charges etc., complete. In lieu of ceiling rose. (Excluding GST)								

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	Holdes with Bulb	4	0	0	0	4	0		0
	Total					4	209.75	Nos	839
	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)								
	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)								
	(CERA Sanitaryware Ltd) Supply of 1st quality floor mounted Single piece EWC suit with ceramic material with range of sizes : 510-695 x 295-385 x 520-795 mm with S trap for Ground floor and P trap for First floor Toilets with dual flush with all internal parts of dual flush cistern, ultra solid soft close seat cover with fittings of approved make with rubber buffer and cap all of approved make etc. complete for finished item in all respects: White Coloured, cost and conveyance of all materials and all labour charges like loading, unloading & stacking etc., to school site including GST and all taxes etc., as applicable from time to time excluding installation. Similar or Nearer to the Shape as indicated in the given Photo with slight / qualified modifications in Length, Breath, Depth. (Including GST)								
	ewc	1	0	0	0	1	0		0

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	Total					1	7600	Nos	7,600
	(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	2	0	0	0	2	0		0
	Total					2	712.72	Nos	1,425
	(CERA Sanitaryware Ltd) Supply of Ceramic square glossy finish hand wash basin wall mount / hung. 1st quality conforming to IS: 2556-Part-4:1972 with waste fittings like rubber plug , chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore chromium plated Pillar tap of 1st Quality Indian make 400 gms Seiko / Senior / Nice / Esso or equivalent complete of white colour and approved make with standard CI brackets including wooden block : 550 x 400mm – Double C.P.Pillar Cock including cost and conveyance of all materials and all labour charges like loading, Unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	hand wash basin	2	0	0	0	2	0		0
	Total					2	1478.17	Nos	2,956
	(CERA Sanitaryware Ltd) Supply of Orissa Pan white glazed W.C 1st quality conforming to IS:2556-Part-3-1981 with P or S trap: 510 x 400 mm Long including cost and conveyance of all materials : White Coloured including cost and conveyance of all materials and all labour charges like loading, unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	orissa pan	1	0	0	0	1	0		0
	Total					1	1185	Nos	1,185
	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)								
	new toilet out side walls	2	5.58	0	2.4	26.78	0		0
	Total					26.78	315.44	sqm	8,447
	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)								
	boys toilet	2	3.42	2.4	0	16.42	0		0
	doors	2	0.73	0	2.4	-3.5	0		0
	girls toilet	2	3.42	2.4	0	16.42	0		0
	ventilators	4	0.5	0	0.55	-1.1	0		0
	Total					28.24	232.76	sqm	6,573

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	Plastering with CM(1:4) Prop: 20mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work Over RR Masonry. (APSS 901,906) (Excluding GST)								
	around rr masonry	1	9.24	0.6	0	5.54	0		0
	Total					5.54	246.91	sqm	1,368
	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	18559.91	PERCENT AGE	18,560

Work Code	: 201920046340	Name of the Work	: Drinking Water Supply
Administrative Sanction No	: Proc.No2823005661/MBNN/2020-2021	Technical Sanctioned	: 112 No
Estimate Amount (in Rs.)	: 1,58,718/-	Work MBook Amount	: 2,09,969/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded. (Excluding GST)								
	10mm HYSD bars	204	0	0	0	204	0		0
	12mm HYSD bars	62	0	0	0	62	0		0
	8mm HYSD bars	24	0	0	0	24	0		0
	Total					290	48.41	Kgs	14,039
	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)								

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	22.20 MM OD Pipe	1	30	0	0	30	0		0
	Total					30	85	rmt	2,550
	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors for 400 Grams (Excluding GST)								
	NP bib taps of size 12.70mm for 400 Grams	7	0	0	0	7	0		0
	Total					7	351.76	Nos	2,462
	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)								
	over head tank	2	3	0.23	0.23	0.32	0		0
	over head tank	2	2.55	0.23	0.23	0.27	0		0
	Total					0.59	8434.23	cum	4,976
	Drinking water system for schools having source water TDS below 400 ppm : Type- I: Supplying and fixing of Drinking water system with the set Design, Drawing and Specifications, Cost includes loading, Transportation, supply, unloading charges etc., Erection, Commissioning, Testing including TDS range of the Purified water at the school premises, and all incidental charges, including GST etc., all other taxes and charges for complete finished item of work, with a warranty period of 05 (five) years and further extendable AMC for a period of 05(five) years on mutually agreed terms and conditions. Tank overall dimensions : 643.8mmx529.4mmx 1612.2mm (including top cover and leg). Raw water tank (40 liters capacity) : Outer size : 226.4 mm x 477.4 mm x 421.2mm. Pure water tank (60 liters capacity): Outer size : 338.4 mmx 477.4 mm x 421.2mm mm. Tank Frame : The overall Tank frame shall be made with stainless steel tube of size 25 mm x 25 mm x 1.6 mm thickness with all verticals and horizontals and also stiffeners at bottom of raw water tank & pure water tank including bottom supporting sheet of 3 mm thick.Openable Top cover of 01mm thickness with strong hinge :Top dimension size of tank SS 304 grade (643.8 mm x 529.4mmx37mm). Sink: 4 Nos. of heavy-duty taps connected to stainless steel flexible pipes from pure water tank to foot pedestal and foot pedestal to taps. Taps shall be fixed at height of 380mm from bottom sink. Water Treatment unit with UV System (with all necessary connections) : UV system with 100 LPH (Make: ALFA / Sukruth / Nexus); Dual Media Filter; (Mud) Micron filter-01. (Make: MMP / Pratham Ionflow/Global absorbent); DC Pump - 12 - 24W; booster pump 0.5 hp; Socket - 01 No; Battery-12V-7ah [one(01)- in number with all CHARGEABLE ACEESSORIES; optimum rating. One TDS meter. The entire tank should be covered with stainless steel sheet of 1.0 mm thick of 304 grade, all-round 03 sides of tank unit including off-sets etc., and the Back door shall be made up of 1.20mm thick SS 304 grade complete with stiffeners of 12mm x 12mm x 1.5mm thickness. Top and Back panel shall be openable with locking system. 4 Nos. of 150mm height legs should be provided. Pedal push heavy duty taps shall be provided; All the pipes used are SS 304 Except the Drain pipe from dispenser , which can be UPVC of 40mm dia. (Excluding GST)								

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Drinking water system for schools having source water TDS below 400 ppm : Type- I	0	0	0	0	0	0	0	0
Total					0	65373	Nos	0
(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)								
RO UNIT TYPEN 3B	1	0	0	0	1	0		0
Total					1	136703	Nos	1,36,703

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	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure.[Brick masonry in CM (1:8) in First Floor] (Excluding GST)								
	ohsr tank partition wall	1	2.5	0.1	0.96	0.24	0		0
	OHSR tank walls	2	2.5	0.23	0.96	1.1	0		0
	OVER HEAD TANK COLUMNS	4	0.45	0.45	0.5	0.41	0		0
	OVER HEAD TANK WALLS	2	2.95	0.23	0.96	1.3	0		0
	Total					3.05	5393.32	cum	16,450
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 150mm thick First Floor] (Excluding GST)								
	OHSR bottom slab	1	3	3	0.15	1.35	0		0
	Total					1.35	6857.95	cum	9,258
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 100mm thick First Floor] (Excluding GST)								
	man hole	1	0.45	0.45	0.1	-0.02	0		0
	OHSR TANK TOP SLAB	1	3	3	0.1	0.9	0		0
	Total					0.88	7967.95	cum	7,012
	Plastering with CM 2 coats, 12mm thick, base coat in CM (1:5), 8mm thick and top coat in CM (1:3), 4mm thick with water proof Compound manufactured by reputed manufacturers as approved by engineering incharge at 1kg per 1 bag of cement including sponze finishing and cost and conveyance of all materials and all labour charges etc., complete for external walls [2nd Class Bricks and RR Masonary for First Floor]. (Excluding GST)								
	inner walls	4	1.2	0	0.96	4.61	0		0
	over head tank inside walls	2	2.5	0	0.96	4.8	0		0
	over head tank inside walls	2	2.5	0	0.96	4.8	0		0
	over head tank outside walls	2	2.95	0	0.96	5.66	0		0
	over head tank outside walls	2	2.95	0	0.96	5.66	0		0

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	Total					25.53	339.56	sqm	8,669
	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	7849.92	PERCENT AGE	7,850

**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**