

మన బడి నాడు-నేడు

Measurement Book No : 28236002006001

District Name	:	CHITTOOR
Mandal Name	:	PEDDAPANJANI
Village Name	:	RAYALAPETA
Name of the Executing Agency	:	Panchayat Raj
Name of School	:	KVCR ZPHS RAYALAPETA
U-Dise Code	:	28236002006
Technical Sanctioned Amount	:	6755977
Admin Sanctioned Amount	:	6755977
Total Expenditure	:	6804130

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Abstract

U-Dise Code : 28236002006
Technical Sanctioned Amount : 6755977
Admin Sanctioned Amount : 6755977
Total Expenditure : 6804130
MBook Number : 28236002006001

Work Code	Work type name	Estimated Cost	Value of work done
201920017962	Green Chalk Board	175258	175083
201920018011	Furniture for Students and Staff	873346	655025
201920023106	Drinking Water Supply	828115	810279
201920028310	Construction of Toilet with Running Water	1765658	1836404
201920028388	Providing Electrification with Fans and Tube Lights	489678	511664
201920028578	Major and Minor Repairs	2011633	2162696
201920029042	Paintings to School	612289	652979
	Total	6755977	6804130

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 : 201920017962 **Name of the Work** : Green Chalk Board
Administrative Sanction No : Proc.No2823009049/MBNN/2020-2021 **Technical Sanctioned** : 228 No
Estimate Amount (in Rs.) : 1,75,258/- **Work MBook Amount** : 1,75,083/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	(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 BOARDS	17	0	0	0	17	0		0
	Total					17	10299	Nos	1,75,083

Work Code : 201920018011 **Name of the Work** : Furniture for Students and Staff
Administrative Sanction No : Proc.No2823009049/MBNN/2020-2021 **Technical Sanctioned** : 228 No
Estimate Amount (in Rs.) : 8,73,346/- **Work MBook Amount** : 6,55,025/- (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				
	(Methodex Systems Pvt. Ltd) Almiriahs- Supply & Delivery of 4 Door Personal Locker Unit of size: 1830 x 550 x 450D mm, as shown in the drawing with the following specifications: The locker unit shall be made of MS CRCA steel (ESSAR / TATA / SAIL / JINDAL) as per IS 513 Part – 1 : 2016 of thickness 1.20 mm and door multi bend (box type) fitted with Hasp for individual to put their own locks. The unit shall be Multi bend construction fastener free, knock down construction aesthetic punched design at handle of door for better ventilation. Ergonomically designed Stainless Steel (SS) handles. label holder for easy identification. The locker shall be provided with 4 legs made with CRCA sheet of 1.60 mm thickness. The legs shall have aesthetic leveling screws for alignment. Height of the legs with leveling screws shall be 100mm. The components shall be anti corrosion treated, polyester power coated .The chemical composition, tensile properties, bend test, surface, flatness, hardness shall be as per IS 513:2016. The steel parts shall be finished with durable, electrostatic powder coating with average application of 60 – 90 microns thickness over all surfaces. Steel should undergo pre treatment process viz, degreasing, pickling, , zirconium base conversion coating etc for rust resistance and durability as per IS 3618 :1996. Epoxy polyster powder coating minimum 50 – 60 microns DFT (Dry film thickness) as per IS 13871 : 1993 with reference to IS 101. The rate shall be inclusive of transportation, labour charges, erection, installation at site (schools), GST and all taxes etc., as applicable from time to time The item shall carry a warranty period of 5 (Five) years from the date of supply. (Including GST)								
	Alimarahs	0	0	0	0	0	0		0
	Total					0	9400	Nos	0
	(Zenith Metaplasta Pvt. Ltd) Teacher Chairs- Supply, Delivery and Assembling at site, S Type Chairs with overall dimensions [W 580mm x D 575mm x H 900mm] with arms, and the frame shall be made of CR Tube 25.4mm, 2.00 mm thickness. Seat shall be of size (525 mm x 480 mm) and back of size (525 mm (W) x 410 mm (H)) with curve model. The seat and back of the chair shall be made of 18mm thick plywood (Tolerance as per IS 303 (1989) of MR Grade DSL (Double side laminated) and all edges shall be rounded. Make of Ply wood: Merino/Green ply/Century / kitply. Make of Laminate : Merino / Greenlam / ASIS / Century. The under structure assembly is a cantilever type frame made of CR Tube (make ESSAR / TATA / SAIL / JINDAL) diameter 25.4 cm and 2 mm thickness. Arms shall be with Poly Urethane, of 450mm length. Steel should undergo pre treatment process viz, degreasing, pickling, phosphating etc for rust resistance and durability as per IS std 3618 1996. Epoxy polyester powder coating plain grey colour as per IS 101-1-5(1989). Necessary details are shown in figure below. The total cost of unit shall include cost of all materials, manufacture, transportation, assembling at site including loading, unloading and assembling charges at different floor levels of the building, including GST, all other taxes and charges for complete finished chair. The item shall carry a warranty period of 5 Years (60 months) from the date of supply. (Including GST)								
	Teacher Chairs	0	0	0	0	0	0		0
	Total					0	2940.01	Nos	0

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

Teacher tables	0	0	0	0	0	0		0
Total					0	3125.92	Nos	0

(Methodex Systems Pvt Ltd) Dual Desk Type-III (Class VI to VII) Supply & Placing Dual desk for class VI to VIII ; TYPE – III (A) (Color Blue of Greenlam or Equivalent or any other colour/s decided by the Govt.) The overall dimensions of desk will be W 1066mm x D 930mm x H 760 (for table top). The seating bench height shall be 452 mm. The desk shall be manufactured as per the specifications mentioned below: - (1) Table top shall be made up of 18.0 mm thick plywood (tolerance as per IS 303) of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish). Table top dimensions shall be W 1008.0 mm x D 380.0 mm. Edge towards bench shall be post formed with round edge. The remaining three edges must be sealed with 2mmthick PVC edge banding tape. Edge band must be trimmed on edges and corners. The desk shall be Greenguard certified for low chemical emission of VOCs (Voltage Organic Compounds) and carcinogens, contributing to a healthier room environment. Valid certificate to be submitted along with the bid. Make of Plywood : Merino / Greenply / Century / Kitply. Make of Laminate & balancer : Marino / Greenlam / ASIS / Century. (2) Side frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness bolted to 25.0 mm x 50.0 mm x 1.2mm thickness tube of 890mm length by using C-clamps made up of 3.0 mm thickness sheet. Make for CRCA sheet – ESSAR / TATA / SAIL / JINDAL. Proposed desk should be RoHS certified from Intertek/UL. Valid certificate to be submitted along with the bid. (3) Seat and back

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rest frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness welded to MS pipe of 25.4 mm diameter x 1.2mm thickness. All 8 numbers of horizontal supports shall be made up MS tube having dimensions 25.0 mm x 25.0 mm x 1.2 mm thickness. MS tube of size 20.0 mm x 20.0 mm x 1.0 mm thickness and 100.0 mm long shall be welded to the frame to hold the horizontal supports. Raw materials of MS tubes shall be from ESSAR / TATA / SAIL / JINDAL. (4) Rectangular MS tube of dimension 50.0 mm x 25.0 mm x 1.2 mm thickness shall be closed with PPCP (Polypropylene Copolymer) cap at both the ends. Pipe diameter 25.4 mm x 1.2 mm thickness shall be closed with PPCP cap at back side and under the seat. (5) Upper modesty panel and shelf shall be made of 0.8 mm thick CRCA sheet. The dimensions for upper modesty panel shall be H 175.0 mm x W 1012.0 mm x D 23.0 mm. The dimensions of shelf shall be W 1012.0 mm X D 300.0 mm X H 23.0 mm. The shelf shall have vertical partition at the center. This partition shall be made up of square MS tube having size 25.0 mm x 25.0 mm x 1.2 mm thickness. Stiffeners of MS tube having sizes as 20.0 mm x 20.0 mm x 1.0 mm thickness shall be provided in upper modesty panel and shelf. Front fascia of upper modesty panel of desk shall have embossed design. The corners of shelf (projecting towards the seating bench) shall be rounded through corner-forming technology (without welding) to avoid injury in case of accidental impact. (6) Additional lower modesty panel having size H 150.0 mm x W 1008.0 mm X D 23.0 mm shall be made up of 0.8 mm thick CRCA sheet with designer square perforations. MS tube of size 20.0 mm x 20.0 mm x 1.2 mm thickness shall be fixed across the length at the bottom side of lower modesty panel. (7) Seat and back rest shall be made of 18mm thick plywood of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish) except back rest. Back rest shall have both sides lamination. Technical details of seat and back rest are mentioned below:(8) Seating bench dimensions shall be W 1066.0 mm X D 300.0 mm: Front side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. (9) Back rest dimensions shall be W 1066.0 mm x D 250.0 mm: Upper side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. (10) Leg space between top and seat shall be 150mm. (11) Bag/bottle hooks shall be made of MS wire having diameter of 5.0 mm. The overall size of hook shall be W 23.0 mm, D 32.0 mm and H 80.0 mm. It shall be welded on inner facia of both the vertical press-fitted steel sections. (12) The MIG / Spot welding shall be done as per technical requirement. (13) All metal components shall be powder coated in satin finish with pretreatment process. Powder coating shall be tested and certified on following parameters from NABL Accredited/ Government Laboratory, Valid certificates / test reports to be submitted along with the bid. (14) Adhesion test: EN ISO 2409 (2 mm).The item shall carry a warranty period of 5 (Five) years from the date of supply (Including GST)

Methadox Dual Desks	95	0	0	0	95	0		0
Total					95	6895	Nos	6,55,025

Work Code : 201920023106

Name of the Work : Drinking Water Supply

Administrative Sanction No : Proc.No2823009049/MBNN/2020
-2021

Technical Sanctioned : 228
No

Estimate Amount (in Rs.) : 8,28,115/-

Work MBook Amount : 8,10,279/-
(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				
	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work. [Ordinary Soil - Manual means - Upto 3m depth] (Excluding GST)								
	For Cistern Foundation	1	15.2	0.45	0.45	3.08	0		0
	for hand wash area	1	4.75	0.45	0.45	0.96	0		0
	for pipe line from GpConnection to ohst	1	95	0.3	0.6	17.1	0		0
	Total					21.14	267.54	cum	5,656
	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)								
	dedcut hand wash cistern	1	4.75	0.23	0.1	-0.11	0		0
	For Cistern Foundation	1	15.2	0.45	0.1	0.68	0		0
	for hand wash area	1	4.75	0.45	0.1	0.21	0		0
	for hand wash area flooring	1	7.9	8.3	0.1	6.56	0		0
	Total					7.34	3218.32	cum	23,622
	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)								
	deduct man hole	1	0.6	0.6	0.15	-0.05	0		0
	for hand wash slab	1	4.7	1.3	0.1	0.61	0		0
	for OHSR top,slab	1	4.35	3.6	0.15	2.35	0		0
	Total					2.91	7270.47	cum	21,157

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	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC Side walls] (Excluding GST)								
	1. side walls	2	4.35	0.17	1.17	1.73	0		0
	2.side walls	2	3.2	0.17	1.17	1.27	0		0
	Total					3	11285.2	cum	33,856
	Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded. (Excluding GST)								
	for ohsr slab,walls,top slab,hand wash,rcc water tank walls	520	0	0	0	520	0		0
	Total					520	48.41	Kgs	25,173
	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[41.30 mm dia CPVC SDR 13.50]. (Excluding GST)								
	form ohsr to kitchen	1	80	0	0	80	0		0
	from gp connection to sump	1	50	0	0	50	0		0
	from kitchen to hand wash	1	17	0	0	17	0		0
	from motor to ohsr	1	100	0	0	100	0		0
	from sump to motor	1	4	0	0	4	0		0
	Total					251	266	rmt	66,766
	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)								
	motor	1	0	0	0	1	0		0
	Total					1	8175	Nos	8,175

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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)									
1.for Hand wash	1	2.75	4.8	0	13.2	0			0
2. for hand wash	2	1.37	0.25	0	0.69	0			0
3.for hand wash	2	0.49	0.3	0	0.29	0			0
4.for hand wash	2	0.76	0.26	0	0.4	0			0
Total					14.58	549.6	sqm		8,013
Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work[40 mm PPR Ball valve] (Excluding GST)									
at Room1	3	0	0	0	3	0			0
Total					3	445	Nos		1,335
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[COLUMNS First Floor] (Excluding GST)									
for ohsr columns	4	0.23	0.23	0.6	0.13	0			0
Total					0.13	8247.64	cum		1,072
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[BEAMS First Floor] (Excluding GST)									
for ohsr long beams	3	4.35	0.23	0.3	0.9	0			0
for ohsr short beams	2	2.9	0.23	0.3	0.4	0			0
Total					1.3	7588.93	cum		9,866

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VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick First Floor] (Excluding GST)									
for ohsr bottom slab	1	4.35	3.6	0.17	2.74	0			0
Total					2.74	7616.59	cum		20,869
<p>(Ahlada Engineers Ltd) Drinking water Supply System Type-IV-A Drinking water system for Govt schools with TDS reduction required to 150-400ppm from source water having TDS 400-3000 ppm: Type- IV(A) Supplying and fixing of R.O Drinking water system with the specifications detailed below and the Cost includes manufacturing, 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.Overall size in mm :3276mm X 1000mmX 1700mm (as shown in figure) Legs: 130mm Height made with 40mm x40mmx 1.0mm thick Embossing letters on Tank: Nadu –Nedu2020 [1] Raw water tank: (i) Capacity :530 Litres, (ii) Tank size in mm: 2255mm X915mm X 340mm (as shown in figure), (iii) Specifications: The entire Tank and Lid shall be made with stainless steel sheet of 304 grade (1.20mm and 1.0 mm thickrespectively) and the stainless-steel sheet of brand viz., Jindal(JSW) / Salem SAIL with locking system, as shown in figure. Note: The water tank shall be provided with suitable nipple to fill water from the source., [2] Water Treatment unit with TDS membrane System Vessel / dual media of 200 mm dia. and 900 mm height (i.e., 8 x 36) – make Pentair, with 20 kg Glasssand, UV system with 1000 LPH capacity with stainless steel body 500 mm height,TDS Membrane filter (Industrial Filters)-4021(2Nos) to maintain TDS 150-400ppm, (Mud) Micron filter-1, UF filter suitable for 500Lph, Activated corban filter suitable for 500Lph, Pressure pump: 1.00 HP, Booster pump: 0.50HP, Centrifugal pump 0.5 Hp, Pressure Gauges: 2 nos, Pressure Valves : 2 nos, Online TDS meter: 1 no, GPS Tracking system: 1 no, Power backup at lest for 30 min with 100 AH batteries 2 nos, Control unit for RO system with switches , Makes: Approved Brands, UV System: Alfa / Sukruth/Nexus with 5 years warranty, Filter bed and Micron Filter: MMP / Pratham/UKL/ Aqua Nomics with 5 years warranty, Activated Carbon: ACG / Aqua /TAT/UKL/GLOBAL with 5 years warranty, Centrifugal pump 0.5 HP (Make-CRI / Lubi / Leo/Speed) with 5 years warranty, Booster pump 1.00 HP High pressure pump ORSUITABLERATING(Make-CRI/Grand force/ speed/ Texmo) with 5 years warranty, [3] Treated Water Tank:(I) Capacity :300 Litres, (II) Tank size in mm :2255 mm X915mm X 200mm (as shown in figure) (iii) Specifications:Tank with Lid shall be made with stainless steel sheet of 304 grade with 1.20mm thickness and the stainless-steel sheet shall be Jindal(JSW) / Salem SAIL; as shown in figure.[4] Steel Sink Stainless steel Water tank with two sides SS sink (As shown in figure) of size 2556mm x 500mm x 200mm made with stainless steel sheet of 0.80mm thick 304 grade and including 12 nos. of taps connected toTreated Water Tank (SS coated Gun metal push or any high-quality heavy-dutytaps)., [5]Frame structure supports and the frame shall be made with 40mm x 40mm x 1.0mm& 40 x 20 x1.0mm thick stainless-steel grade 304 square tubes and the equipment shall be made as per drawing shown in figure. The structure shall be covered with stainless steel sheet of 0.80mm thick 304 grade covers and two doors suitable designed at ends of system for all maintenance purpose and to safe guard the equipment. Note-1: Nothing should be reflected in the Cost component column of the financial bid. Whatever the rate quoted is all inclusive. (Including GST)</p>									

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	ro plant	1	0	0	0	1	0		0
	Total					1	511490	Nos	5,11,490
	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 hand wash above slab for sides	4	0.33	0.1	0.14	0.02	0		0
	at hand wash above slab forsides	2	4.75	0.1	0.14	0.13	0		0
	at hand wash below slab	1	4.75	0.23	0.76	0.83	0		0
	at the center above hand wash slab	1	4.75	0.4	0.45	0.86	0		0
	Total					1.84	5145.14	cum	9,467
	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 hand wash	1	4.75	0.45	0.45	0.96	0		0
	for hand wash area	1	15.2	0.45	0.35	2.39	0		0
	Total					3.35	3426.74	cum	11,480
	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)								
	at hand wash above slab BM top	1	4.75	0	0.4	1.9	0		0
	at hand wash above slab sides	2	4.75	0	0.45	4.28	0		0
	at hand wash below slab	2	4.75	0	0.76	7.22	0		0
	at hand wash BM sides	2	0.4	0.45	0	0.36	0		0
	at hand wash slab sides	4	4.75	0	0.14	2.66	0		0
	at hand wash slab sides	8	0.33	0	0.14	0.37	0		0
	for inside ohsr	1	14.3	0	1.17	16.73	0		0
	for ohsr outside	1	16.14	0	1.6	25.82	0		0
	Total					59.34	341.57	sqm	20,269
	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	32013.12	PERCENT AGE	32,013

Work Code : 201920028310 **Name of the Work** : Construction of Toilet with Running Water
Administrative Sanction No : Proc.No2823009049/MBNN/2020 -2021 **Technical Sanctioned No** : 228
Estimate Amount (in Rs.) : 17,65,658/- **Work MBook Amount : 18,36,404/- (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 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)								
	Columns	15	1.3	1.3	1.75	44.36	0		0
	for RR masonry	3	3.11	0.6	0.6	3.36	0		0
	for RR Masonry	1	5.97	0.6	0.6	2.15	0		0
	for RR Masonry	2	4.45	0.6	0.6	3.2	0		0
	for RR Masonry	2	4.95	0.6	0.6	3.56	0		0
	for RR Masonry	2	4.39	0.6	0.6	3.16	0		0
	for RR masonry	2	3.85	0.6	0.6	2.77	0		0
	for RR Masonry	2	1.2	0.6	0.6	0.86	0		0
	RR Masonry	3	1.8	0.6	0.6	1.94	0		0
	Septic Tank	1	5.75	2.7	2.6	40.37	0		0
	SoakPit	1	3	3	1.8	16.2	0		0
	Total					121.93	152.88	cum	18,641

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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)								
	1.for Internal plinth beams	1	4.86	0.38	0.1	0.18	0		0
	10.at girls toilet	1	3.87	3.11	0.1	1.2	0		0
	11.at girls toilet	1	1.45	5.14	0.1	0.75	0		0
	12.for internal toilets OWC	9	1.45	1.2	0.07	1.1	0		0
	13.deduct size of orissa pan W.C.	9	0.5	0.4	0.07	-0.13	0		0
	14.Deduct size of orissa pan W.C.	9	0.5	0.4	0.1	-0.18	0		0
	2.for internal beams	1	1.68	0.38	0.1	0.06	0		0
	3.for internal beams	1	3.75	0.38	0.1	0.14	0		0
	4.for internal beams	1	3	0.38	0.1	0.11	0		0
	5.for flooring	1	4.45	5.1	0.1	2.27	0		0
	6.at PHC Toilets	1	4.95	1.78	0.1	0.88	0		0
	7.Opp PHC Room	1	5.1	3.11	0.1	1.59	0		0
	8.at girls toilet	1	4.39	5.1	0.1	2.24	0		0
	9.at girls toilet	1	3.87	1.8	0.1	0.7	0		0
	For Column Footings	15	1.3	1.3	0.15	3.8	0		0
	For Septic Tank	1	5.75	2.7	0.15	2.33	0		0
	RR Masonry	3	1.8	0.6	0.15	0.49	0		0
	RR masonry	3	3.11	0.6	0.15	0.84	0		0
	RR Masonry	1	5.97	0.6	0.15	0.54	0		0
	RR Masonry	2	4.45	0.6	0.15	0.8	0		0
	RR Masonry	2	4.95	0.6	0.15	0.89	0		0
	RR Masonry	2	4.39	0.6	0.15	0.79	0		0
	RR Masonry	2	3.85	0.6	0.15	0.69	0		0
	RR Masonry	2	1.2	0.6	0.15	0.22	0		0
	Total					22.3	3218.32	cum	71,769
	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)								

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	1.Deduct qty of PCC for footings	3.81	1	1	1	-3.81	0		0
	2.deduct qty of VRCC for footings	6.48	1	1	1	-6.48	0		0
	33.deduct qty of VRCC for pedestals	1.37	1	1	1	-1.37	0		0
	4.deduct qty of VRCC for columns upto PB	0.84	1	1	1	-0.84	0		0
	Total Earth Work Done	121.94	1	1	1	121.94	0		0
	Total					109.44	29.54	cum	3,233
	Random Rubble stone masonry in CM (1:6) using hard variety of Granite stones from approved quarry including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for foundation and basement. (Excluding GST)								
	1.for RR masonry	3	1.8	0.45	0.9	2.19	0		0
	2.for RR masonry	3	3.11	0.45	0.9	3.78	0		0
	3.for RR masonry	1	5.75	0.45	0.45	1.16	0		0
	4.for Rr masonry	2	4.45	0.45	0.9	3.6	0		0
	5.for RR Masonry	2	4.95	0.45	0.9	4.01	0		0
	6.for RR Masonry	2	4.39	0.45	0.9	3.56	0		0
	7.for RR Masonry	2	3.85	0.45	0.9	3.12	0		0
	8.for RR Masonry	2	1.2	0.45	0.45	0.49	0		0
	Total					21.91	3426.74	cum	75,080
	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)								
	for buffer walls	2	1.9	0.23	1.9	1.66	0		0
	for septic tank	2	1.9	0.23	2.3	2.01	0		0
	Septic tank Around	2	5.46	0.23	2.3	5.78	0		0
	Total					9.45	4802.67	cum	45,385
	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)								
	1.inside basement	1	9.49	4.91	0.35	16.31	0		0
	10.inside plinth beams	1	1.45	5.14	0.2	1.49	0		0
	2.inside basement	1	8.27	4.91	0.35	14.21	0		0

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	3.inside basement	1	1	4.91	0.35	1.72	0		0
	4.inside plinth beams	1	4.51	5.14	0.2	4.64	0		0
	5.inside plinth beams	1	4.98	1.8	0.2	1.79	0		0
	6.inside plinth beams	1	5.1	3.11	0.2	3.17	0		0
	7.inside plinth beams	1	4.5	5.14	0.2	4.63	0		0
	8.inside plinth beams	1	3.87	1.8	0.2	1.39	0		0
	9.inside plinth beams	1	3.87	3.11	0.2	2.41	0		0
	Total					51.76	378.5	cum	19,591
	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)								
	Column Footing F1	15	1.2	1.2	0.3	6.48	0		0
	Total					6.48	6525.2	cum	42,283
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[PEDASTALS] (Excluding GST)								
	For Pedestals	15	0.45	0.45	0.45	1.37	0		0
	Total					1.37	6938.2	cum	9,505
	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)								
	Columns from Plinth Beam to Roof Level	15	0.23	0.23	2.93	2.32	0		0
	Columns upto Plinth Beam Level	15	0.23	0.23	1.05	0.83	0		0
	For OHSR (4x0.23x0.23x upto GL)	4	0.23	0.23	0.6	0.13	0		0
	Total					3.28	8034.2	cum	26,352

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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.[PLINTH BEAMS] (Excluding GST)									
1. for short PBs	3	5.6	0.23	0.3	1.16	0			0
2. for short PBs	1	5.6	0.23	0.3	0.39	0			0
3. for long PBs	2	20.3	0.23	0.3	2.8	0			0
4. for internal plinth beams	1	3.87	0.23	0.3	0.27	0			0
5. for internal plinth beams	1	2.03	0.23	0.3	0.14	0			0
6. for internal plinth beams	1	3.34	0.23	0.3	0.23	0			0
7. for internal plinth beams	1	4.98	0.23	0.3	0.34	0			0
8. deduct junctions	12	0.23	0.23	0.3	-0.19	0			0
Total					5.14	8517.2	cum		43,778
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)									
1. for short beams	3	5.6	0.23	0.3	1.16	0			0
2. for short beams	2	7.4	0.23	0.3	1.02	0			0
3. for long beams	3	20.3	0.23	0.3	4.2	0			0
4. deduct junctions	15	0.23	0.23	0.3	-0.24	0			0
Total					6.14	7474.47	cum		45,893
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)									
1. for lintels over doors	2	1.2	0.23	0.15	0.08	0			0
2. for lintels over PHC toilet doors	1	4.95	0.23	0.15	0.17	0			0
Total					0.25	8080.2	cum		2,020

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	Providing Impervious coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with 1kg of water proof compound per bag of cement laid over roof when it is green including cost and conveyance of all materials all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc., complete for finished item of work. (Excluding GST)								
	Columns	15	0.23	0.23	0	-0.79	0		0
	Projection roof	1	5.4	1.55	0	8.37	0		0
	Toilets Main Block	1	21	6.2	0	130.2	0		0
	Total					137.78	337.5 sqm		46,501
	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure. (Excluding GST)								
	1.girls toilet corridor	1	3.08	0.23	2.25	1.59	0		0
	10.deduct cross section of beam	3	0.23	0.23	0.33	-0.05	0		0
	12.deduct ventilators	2	3.34	0.23	0.45	-0.69	0		0
	13.deduct ventilators	2	3.94	0.23	0.45	-0.82	0		0
	14.girls toilet partion walls north side	1	5.95	0.1	2.15	1.28	0		0
	15.girls toilet partion walls north side	2	1.9	0.1	2.15	0.82	0		0
	16.girls toilet partion walls north side	1	1.75	0.1	2.15	0.38	0		0
	17.SOUTH SIDE WALLS of internal girls toilet	1	8.45	0.1	2.15	1.82	0		0
	18.south side internal girls toilet partion walls	5	1.5	0.1	2.15	1.61	0		0
	19.deduct doors	9	0.77	0.1	2.15	-1.49	0		0
	2.girls toilet corridor	1	5.6	0.23	3.13	4.03	0		0
	20.deduct columns	1	0.23	0.1	2.15	-0.05	0		0
	21.boys toilet partion walls	3	1.51	0.1	2.15	0.97	0		0
	22.boys toilet partion walls	1	5.42	0.1	2.15	1.17	0		0
	23.deduct doors	4	0.77	0.1	2.15	-0.66	0		0
	24.boys toilet main walls	2	4.45	0.23	2.93	6	0		0
	25.boys toilet main walls	2	4.95	0.23	2.93	6.67	0		0
	26.boys toilet main walls	2	3.09	0.23	2.93	4.16	0		0
	27.boys toilet main walls	2	1.78	0.23	2.93	2.4	0		0

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	28.deduct ventilators	2	3.85	0.23	0.45	-0.8	0		0
	29.deduct ventilators	2	4.35	0.23	0.45	-0.9	0		0
	3.girls toilet corridor	2	1.45	0.23	2.93	1.95	0		0
	30.deduct ventilators	2	2.49	0.23	0.45	-0.52	0		0
	31.deduct ventilators	2	1.55	0.23	0.45	-0.32	0		0
	32.deduct lintels	2	1.2	0.23	0.15	-0.08	0		0
	33.deduct lintels	1	4.95	0.23	0.15	-0.17	0		0
	34.deduct boys toilet door	1	1.35	0.23	2.1	-0.65	0		0
	35.deduct PHC toilet doors	2	0.95	0.23	2.1	-0.92	0		0
	36.partition walls in PHC toilets	1	2.4	0.1	2.93	0.7	0		0
	37.partition walls in PHC toilet	1	2.4	0.1	2.05	0.49	0		0
	38.partition walls in PHC toilet	1	1.79	0.1	2.05	0.37	0		0
	39.partition walls in PHC toilet	1	1.79	0.1	3.2	0.57	0		0
	4.girls toilet main walls	2	3.85	0.23	2.93	5.19	0		0
	5.grls toilet main walls	2	4.39	0.23	2.93	5.92	0		0
	6.deduct door	1	1.35	0.23	2.1	-0.65	0		0
	7. deduct ventilator	2	1.4	0.23	0.45	-0.29	0		0
	8.deduct ventilator	1	1.5	0.23	0.45	-0.16	0		0
	9.deduct ventilator	1	2.56	0.23	0.45	-0.26	0		0
	Total					38.61	5145.14	cum	1,98,654
Ornamental Ceiling plastering with CM (1:3), 12mm thick including cost and conveyance of all materials and all labour charges etc., complete. (Excluding GST)									
	1.Boys Toilet beams Bottom	1	3.05	0.26	0	0.79	0		0
	10.Beams sides	2	3.05	0	0.33	2.01	0		0
	11.Beams bottom	2	1.8	0.26	0	0.94	0		0
	12. Beams sides	4	1.8	0	0.33	2.38	0		0
	13.Beams bottom	1	3.85	0.26	0	1	0		0
	14.Beams sides	2	3.85	0	0.33	2.54	0		0
	15.Beams bottom	1	4.35	0.26	0	1.13	0		0

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16.Beams sides	2	4.35	0	0.33	2.87	0		0
17.Beams bottom	1	1.35	0.26	0	0.35	0		0
18.Beams sides	2	1.35	0	0.33	0.89	0		0
19.portico beams bottom	2	1.8	0.26	0	0.94	0		0
2.Beam sides	2	3.05	0	0.33	2.01	0		0
20.Portico beams sides	4	1.8	0	0.33	2.38	0		0
3.Beams bottom	1	2.4	0.26	0	0.62	0		0
4.Beam sides	2	2.4	0	0.33	1.58	0		0
5.beams bottom	1	1.75	0.26	0	0.46	0		0
6.Beams sides	2	1.75	0	0.33	1.16	0		0
7.Beams bottom	1	4.4	0.26	0	1.14	0		0
8.Beams sides	2	4.4	0	0.33	2.9	0		0
9.Girls Toilet Beams Bottom	1	3.05	0.26	0	0.79	0		0
Total					28.88	253.03	sqm	7,308
Plastering with CM 2 coats, 12mm thick, base coat in CM (1:5), 8mm thick and top coat in CM (1:3), 4mm thick with water proof Compound manufactured by reputed manufacturers as approved by engineering incharge at 1kg per 1 bag of cement including sponze finishing and cost and conveyance of all materials and all labour charges etc., complete for external walls [2nd Class Bricks and RR Masonary]. (Excluding GST)								
1.external east & west	2	5.56	0	3.3	36.7	0		0
10.deduct cross section of beams	2	0.26	0	0.33	-0.17	0		0
11.Inside septic tank	1	13.8	0	2.3	31.74	0		0
12.for buffer walls inside septic tank	4	1.9	0	1.9	14.44	0		0
13.deduct cross section of buffer walls in septic tank	4	0.26	0	1.9	-1.98	0		0
2.external north & South	2	20.48	0	3.3	135.17	0		0
3.deduct ventilators	1	4	0	0.45	-1.8	0		0
4.deduct ventilators	1	2.65	0	0.45	-1.19	0		0
5.deduct ventilators	1	1.5	0	0.45	-0.68	0		0
6.deduct ventilators	1	4.55	0	0.45	-2.05	0		0
7.deduct ventilators	2	4.05	0	0.45	-3.65	0		0
8.Deduct ventilators	1	1.4	0	0.45	-0.63	0		0

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	9.Deduct main doors	1	1.45	0	2.15	-3.12	0		0
	half deduct PHC Doors	1	0.95	0	2.1	-1.99	0		0
	Total					200.79	315.32	sqm	63,313
	Plastering with CM (1:5) Single Coat, 12mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								
	1.Boys Toilet	1	2.66	0	2.1	5.59	0		0
	10.Boys Toilet	1	2.95	0	3.2	9.44	0		0
	11.deduct ventilator	0.5	2.56	0	0.45	-0.58	0		0
	12.boys toilet	1	5.5	0	3.2	17.6	0		0
	13.boys toilet	1	4.1	0	3.2	13.12	0		0
	14.deduct ventilator	0.5	4.55	0	0.45	-1.02	0		0
	15.deduct ventilator	0.5	4	0	0.45	-0.9	0		0
	16.boys toilet	1	2.53	0	3.2	8.1	0		0
	17.boys toilet	1	3.05	0	3.2	9.76	0		0
	18.Boys toilet partition walls	1	5.5	0	2.1	11.55	0		0
	19.Boys toilet partition walls	8	1.5	0	2.1	25.2	0		0
	2.Boys Toilet	1	2.03	0	2.1	4.26	0		0
	20.half deduct doors in Boys Toilet	2	0.77	0	2.1	-3.23	0		0
	21.deduct partition walls crossection	4	0.14	0	2.1	-1.18	0		0
	22.PHC Boys	1	1.88	0	3.2	6.02	0		0
	23.PHC Boys	1	1.88	0	2.1	3.95	0		0
	24. PHC Boys	1	2.38	0	2.1	5	0		0
	25.PHC Boys	1	2.49	0	3.2	7.97	0		0
	26.Deduct Door	0.5	0.95	0	2.1	-1	0		0
	27.PHC Girls	2	1.88	0	3.2	12.03	0		0
	28.PHC Girls	2	2.42	0	3.2	15.49	0		0
	29.Deduct Door	0.5	0.95	0	2.1	-1	0		0
	3.for column	4	0.25	0	0.7	0.7	0		0
	30.half deduct ventilator	0.5	4.55	0	0.45	-1.02	0		0
	31.GirlsToilet mainwalls	2	8.45	0	3.2	54.08	0		0

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	32. girls Toilet main walls	2	5.1	0	3.2	32.64	0		0
	33.half deduct ventilators	1	4.05	0	0.45	-1.82	0		0
	34.half deduct ventilator	1	4.05	0	0.45	-1.82	0		0
	35.half deduct ventilator	1	1.4	0	0.45	-0.63	0		0
	36.half deduct ventilator	0.5	1.5	0	0.45	-0.34	0		0
	37.halfdeduct ventilator	0.5	2.65	0	0.45	-0.6	0		0
	38. half deduct main door	0.5	1.35	0	2.15	-1.45	0		0
	39. deduct crosssection of beams	2	0.26	0	0.33	-0.17	0		0
	4.Boys Toilet	1	4.43	0	3.2	14.18	0		0
	40.deduct opening	1	3.05	0	0.95	-2.9	0		0
	41.deduct opening	1	1.8	0	3.2	-5.76	0		0
	42.forcolumns	4	0.25	0	0.8	0.8	0		0
	43.for columns	4	0.25	0	0.55	0.55	0		0
	44.for partition walls	2	0.92	0	2.1	3.86	0		0
	45.for partition walls	10	0.45	0	2.1	9.45	0		0
	46.for partition walls	10	1.5	0	2.1	31.5	0		0
	47.for patition walls	2	1.8	0	2.1	7.56	0		0
	48.for partition walls	2	0.55	0	2.1	2.31	0		0
	49.for partition walls	2	0.4	0	2.1	1.68	0		0
	5.Deduct Ventilator	0.5	4	0	0.45	-0.9	0		0
	50.for partition walls	2	0.4	0	2.1	1.68	0		0
	51.for partition walls	6	1.88	0	2.1	23.69	0		0
	52. varandah or hand wash area	1	3.3	0	2.2	7.26	0		0
	53.varandah or hand wash area	1	5.1	0	3.2	16.32	0		0
	54.varandah or hand wash area	2	1.35	0	3.2	8.64	0		0
	55.deduct cross section of beams	4	0.26	0	0.33	-0.34	0		0
	6.Boys Toilet	1	2.1	0	3.2	6.72	0		0
	7.Deduct ventilator	0.5	1.35	0	0.45	-0.3	0		0
	8.Deduct Main Door	0.5	1.4	0	2.15	-1.5	0		0

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	9.Deduct Cross section of beams	1	0.26	0	0.36	-0.09	0		0
	Total					350.15	110.3	sqm	38,622
	Flooring with Non-skid red or white full body Ceramic floor tiles, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work (Excluding GST)								
	1.boys Toilet	1	3.04	4.1	0	12.46	0		0
	10.south side internal girls toilet	1	1.68	1.48	0	2.49	0		0
	11.girls toilet varandah	1	8.45	1.4	0	11.83	0		0
	12.girls toilet hand wash at left	1	2.03	2.78	0	5.64	0		0
	13.at hand wash area of girls	1	5.22	1.35	0	7.05	0		0
	2.Boys Toilet	1	5.7	1.38	0	7.87	0		0
	3.Boys Toilet	1	2.05	4.4	0	9.02	0		0
	4.Inside of Boys Toilets	4	1.2	1.5	0	7.2	0		0
	5.Deduct OWC in girls & Boys	4	0.45	0.6	0	-1.08	0		0
	6.PHC Toilet	2	1.88	2.45	0	9.21	0		0
	7.Girls Toilets internal south side	1	1.85	3.1	0	5.74	0		0
	8.north side internal girls toilets	2	1.85	1.2	0	4.44	0		0
	9.south side internal girls toilets	5	1.48	1.2	0	8.88	0		0
	Total					90.75	717.89	sqm	65,149
	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)								

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1.Girls toilet changing room	2	3.1	0	1.5	9.3	0		0
10.deduct door	1	0.78	0	1.5	-1.17	0		0
11.room2,3,4,5, and6	10	1.19	0	1.5	17.85	0		0
12.room2,3,4,5,and 6	10	1.48	0	1.5	22.2	0		0
13.deduct door	5	0.78	0	1.5	-5.85	0		0
14.room1	1	1.48	0	1.5	2.22	0		0
15.room1	2	1.68	0	1.5	5.04	0		0
16.deduct door	1	0.78	0	1.5	-1.17	0		0
17.corridor	1	3.3	0	1.5	4.95	0		0
18.room1 outside	1	1.06	0	1.5	1.59	0		0
19.room1 outside	4	0.6	0	1.5	3.6	0		0
2.Girls toilet Changing Room	2	1.85	0	1.5	5.55	0		0
20.room1 out side	1	0.44	0	1.5	0.66	0		0
21.room 1 out side	1	1.4	0	1.5	2.1	0		0
22.North side changing room outside	1	1.8	0	1.5	2.7	0		0
23.North side changingroom outside	1	0.7	0	1.5	1.05	0		0
24.North side changing Room outside	1	0.56	0	1.5	0.84	0		0
25.North side changing room outside	1	0.6	0	1.5	0.9	0		0
26.at Hand wash	1	2	0	1.5	3	0		0
27.at hand wash	1	2.8	0	1.5	4.2	0		0
28.wall facing	1	3.6	0	1.5	5.4	0		0
29.wall facing	1	1.33	0	1.5	2	0		0
3.deductdoor	1	0.78	0	1.5	-1.17	0		0
30.wall facing	1	5.2	0	1.5	7.8	0		0
31.wall facing	1	0.17	0	1.5	0.26	0		0
32.PHC Boys	2	2	0	1.5	6	0		0
33.PHC Boys	1	2.4	0	1.5	3.6	0		0
34.PHC Boys	1	1.45	0	1.5	2.17	0		0

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	35.PHC Girls	1	1.55	0	1.5	2.33	0		0
	36.PHC Girls	2	1.9	0	1.5	5.7	0		0
	37.PHC Girls	1	2.4	0	1.5	3.6	0		0
	38.Boys Toilet	8	1.47	0	1.5	17.64	0		0
	39.Boys Toilet	4	1.2	0	1.5	7.2	0		0
	4. Room8	1	2	0	1.5	3	0		0
	40.Boys toilet	4	0.44	0	1.5	2.64	0		0
	41.Out side partition walls	1	0.45	0	1.5	0.68	0		0
	42.Outside partition walls	3	0.6	0	1.5	2.7	0		0
	43.at urinals	1	1.63	0	1.5	2.44	0		0
	44.at urinals	1	4.08	0	1.5	6.12	0		0
	45.at urinals	1	3.03	0	1.5	4.54	0		0
	46.at urinals	1	5.2	0	1.5	7.8	0		0
	47.at hand wash	1	2	0	1.5	3	0		0
	48.at hand wash	1	4.4	0	1.5	6.6	0		0
	49.at hand wash	1	2.08	0	1.5	3.12	0		0
	5.room8	1	1.89	0	1.5	2.83	0		0
	6.room8	1	0.26	0	1.5	0.39	0		0
	7.room8	1	1.18	0	1.5	1.77	0		0
	8.room7	2	1.87	0	1.5	5.61	0		0
	9.room7	2	1.18	0	1.5	3.54	0		0
	Total					198.87	549.6 sqm		1,09,299
	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)								
	1.for doors	160	0	0	0	160	0		0
	2.for Ventilators	530	0	0	0	530	0		0
	Total					690	70.08 Kgs		48,355
	Providing and fixing factory made solid Wood Polymer Composite (WPC) single extruded Door Frame section of size 45x75 MM . The two Vertical members are to be joined together with the horizontal member using 8x50 MM long MS Star full thread screws to be used with reverse forward speed control hand drilling machine. The ready/assembled door frame is fixed to the wall using hold fast or bolt fasteners. A minimum of 4 No.s of screws to be provided for each vertical member & minimum 2no.s for horizontal member with encapsulation of 8MM rigid layer on all the six surfaces. The door frame will have a rebat of 32MM (Excluding GST)								

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	1. For PHC Doors	2	4.65	0	0	9.3	0		0
	2.For Boys and Girls	13	4.35	0	0	56.55	0		0
	Total					65.85	506	rmt	33,320
	Providing and fixing 28 -30 MM thick solid Wood Polymer Composite(WPC) single extruded door shutter with 3MM top and bottom rigid layer with an overall density of 750kg/Cum. It will be fixed to the frame using 3 inch /4 inch hinges. A minimum of 4 hinges will be required for fixing the door with the frame (Excluding GST)								
	1. for PHC Doors	2	0.75	0	1.98	2.97	0		0
	2.for Boys Toilet	4	0.68	0	1.8	4.9	0		0
	3.For Girls toilet	9	0.68	0	1.8	11.02	0		0
	Total					18.89	3030	sqm	57,237
	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	91.76	0	0	0	91.76	0		0
	12mm HYSD bars	1622.47	0	0	0	1622.47	0		0
	16mm HYSD bars	123.95	0	0	0	123.95	0		0
	8mm HYSD Bars	2074.53	0	0	0	2074.53	0		0
	Total					3912.71	48.41	Kgs	1,89,414
	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	1	12	0	0	12	0		0
	Total					12	89.1	rmt	1,069
	Supplying and fixing of 110 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326) (Excluding GST)								
	from septic tank to soakpit	1	80	0	0	80	0		0
	Sanitary Connections	1	18	0	0	18	0		0
	Total					98	169.13	rmt	16,575

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Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[28.60 mm dia CPVC SDR 13.50]. (Excluding GST)									
1.from Kitchen shed to old toilets at main building	1	37	0	0	37	0			0
2.from Kitchen shed to old toilets at main building	1	1.35	0	0	1.35	0			0
3.SSA Toilets	1	12.6	0	0	12.6	0			0
4.Staff Toilets	1	9	0	0	9	0			0
for taps and health faucets	1	60	0	0	60	0			0
Total					119.95	123	rmt		14,754
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)									
1.deduct manholes	3	0.6	0.6	0.15	-0.16	0			0
for septic tank top slab	3	1.73	2.35	0.15	1.83	0			0
Total					1.67	7502.12	cum		12,529
Supplying and fixing of Long body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make Seiko including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors (Excluding GST)									
1. for PHC Toilet	2	0	0	0	2	0			0
2. for Boys Toilet	9	0	0	0	9	0			0
3. for Girls Toilet	4	0	0	0	4	0			0
Total					15	547	Nos		8,205
Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work[20mm PPR Ball valve] (Excluding GST)									
1.Boys Toilet	1	0	0	0	1	0			0
2.Girls Toilet	1	0	0	0	1	0			0
Total					2	207	Nos		414

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Supply and Fixing of 20 mm outer dia 2.10 mm thick Heavy grade with IS:9537 part 3 FRLS regid PVC pipe (ISI MARK) concealed in Roof Slabs with all required MS deep boxes and all accessories including and labour charges etc., complete (Excluding GST)									
1.in Roof slabs	8	3.6	0	0	28.8	0			0
2. in roof slabs	1	10.3	0	0	10.3	0			0
3.In roof slabs	1	22	0	0	22	0			0
Total					61.1	58.38	mtr		3,567
Supply and Fixing of 16A/6A, 2 in one socket with 16A switch control modular type with MS flush boxes with front cover plate including all labour charges etc., complete (Excluding GST)									
16A 3 Pin Socket	1	0	0	0	1	0			0
Total					1	434.34	Nos		434
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 125mm thick] (Excluding GST)									
for main toilet block	1	21	6.2	0.13	16.28	0			0
projection side	1	5.4	1.55	0.13	1.05	0			0
Total					17.33	7270.47	cum		1,25,997
(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)									
1.for PHC Toilets	2	0	0	0	2	0			0
2.for boys toilets	2	0	0	0	2	0			0
3. for Girls Toilets	2	0	0	0	2	0			0
Total					6	7600	Nos		45,600
(CERA Sanitaryware Ltd) Supply of Orissa Pan white glazed W.C 1st quality conforming to IS:2556-Part-3-1981 with P or S trap: 580 x 440 mm Long including cost and conveyance of all materials : White Coloured including cost and conveyance of all materials and all labour charges like loading, unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)									
1.for Boys toilet	2	0	0	0	2	0			0

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	2.For Girls Toilet	7	0	0	0	7	0		0
	Total					9	1336.05	Nos	12,024
	(CERA Sanitaryware Ltd) Supplying of white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete. Indian make : 590 x 375 x 390 mm including cost and conveyance of all materials and all labour charges like loading, unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	1.for Boys toilet	15	0	0	0	15	0		0
	2.In faculty toilets	2	0	0	0	2	0		0
	Total					17	2277.07	Nos	38,710
	(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)								
	1.for PHC Toilets	2	0	0	0	2	0		0
	2.For Boys toilet	5	0	0	0	5	0		0
	3.For Girls toilets	5	0	0	0	5	0		0
	4.In faculty Toilets	2	0	0	0	2	0		0
	Total					14	1478.17	Nos	20,694
	Supplying & Fixing 12.7mm NP stop cock Indian make heavy duty including Labour charges (BMW-E.01& E.02)) (Excluding GST)								
	stop cocks	28	0	0	0	28	0		0
	Total					28	435	Nos	12,180
	Plain Cement Concrete 1:1.5:3 Nominal mix with concrete mixer equivalent to (1:1.5:3) using 20mm size (SS5) hard blasted granite machine crushed metal (Coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including steel centering, shuttering, machine mixing, laying concrete, lift charges, curing etc., complete for finished item of work for steps (Excluding GST)								
	for septic tank bottom	1	5.46	2.36	0.15	1.93	0		0
	Total					1.93	5335.47	cum	10,297
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								

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	differnetial cost of steel for all components	0	0	0	0	50680	0		0
	differential cost for grills	0	0	0	0	3427	0		0
	Total					54107	1	LS	54,107
	Supply and fixing of 12.7 mm dia NP push cock 1st quality (Excluding GST)								
	push cock	15	0	0	0	15	0		0
	Total					15	234	Nos	3,510
	Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Continental series, Chrome Finish with 7 years warranty (Excluding GST)								
	health faucet	6	0	0	0	6	0		0
	Total					6	2769	Nos	16,614
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	178421.61	PERCENT AGE	1,78,422

Work Code : 201920028388

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

Administrative Sanction No : Proc.No2823009049/MBNN/2020 -2021

Technical Sanctioned : 228 No

Estimate Amount (in Rs.) : 4,89,678/-

Work MBook Amount : 5,11,664/- (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				
	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 new building FF	1	25.5	0	0	25.5	0		0
	in new building GF	1	30.8	0	0	30.8	0		0
	in old room 1	1	28	0	0	28	0		0
	in old room 2 and 3	2	24	0	0	48	0		0

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	in old room 4 &5	2	24	0	0	48	0		0
	in old room 6,7,8	3	23	0	0	69	0		0
	Total					249.3	71.44	mtr	17,810
	Supply and run of 2 of 36/0.3mm (2.5 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete. (Excluding GST)								
	from FF MCB to room3	1	17.5	0	0	17.5	0		0
	from FF MCB to room4	1	25	0	0	25	0		0
	from FF MCB to room5	1	32	0	0	32	0		0
	from FF MCB to room6	1	40	0	0	40	0		0
	from FF MCB to Room2	1	9.5	0	0	9.5	0		0
	from library room MCB to HM Room	1	9.5	0	0	9.5	0		0
	from meter to MCBat Room5	1	30	0	0	30	0		0
	from Room5 MCB to DB at room5	1	5	0	0	5	0		0
	fromFF MCB to room 7	1	13.3	0	0	13.3	0		0
	fromGF MCB toFF MCB	1	3.8	0	0	3.8	0		0
	library room MCB to class room 4	1	48	0	0	48	0		0
	library room MCB to class room1	1	25	0	0	25	0		0
	library room MCB to room1 in FF	1	13.3	0	0	13.3	0		0
	library room MCB to staff Room	1	17.5	0	0	17.5	0		0
	library room mCB to Toilets	1	56	0	0	56	0		0
	library room MCBto class Room 3	1	40	0	0	40	0		0
	library roomMCB to class room 2	1	32	0	0	32	0		0
	Room 5 MCB to DB at Romm 3	1	14	0	0	14	0		0
	Room 5 MCB to DB at Room 1 Socket	1	35.2	0	0	35.2	0		0

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	Room 5 MCB to DB at Room 2	1	21	0	0	21	0		0
	room 5 MCB to DB at Room 7	1	19.9	0	0	19.9	0		0
	Room 5 MCB to DB at Room6	1	12.4	0	0	12.4	0		0
	room 5 MCB to DBat Room 8	1	32.4	0	0	32.4	0		0
	Room 5 MCB to Room 1 DB	1	28	0	0	28	0		0
	room5 MCB to room 4 DB	1	7	0	0	7	0		0
	Total					587.3	64.93	mtr	38,133
	Supply and run of 1 of 2.5 sq.mm (phase neutral and earth) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable in existing MS conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards. (Excluding GST)								
	from FF MCB to room 2	1	9.5	0	0	9.5	0		0
	from FF MCB to room 3	1	17.5	0	0	17.5	0		0
	from FF MCB to Room 4	1	25	0	0	25	0		0
	from FF MCB to Room 5	1	32	0	0	32	0		0
	from FF MCB to room 6	1	40	0	0	40	0		0
	from FF MCB to room 7	1	13.3	0	0	13.3	0		0
	from GF MCB to FF MCB	1	3.8	0	0	3.8	0		0
	from meter to MCB at Room 5	1	30	0	0	30	0		0
	from room 5 MCB to DB at room 2	1	21	0	0	21	0		0
	from room 5 MCB to DB at ROOM 3	1	14	0	0	14	0		0
	from room 5 MCB to DB at room4	1	7	0	0	7	0		0
	from room5 MCB to DB at Room5	1	5	0	0	5	0		0
	library room MCB to room 1	1	25	0	0	25	0		0
	library room mCB to DB at Staff room	1	17.5	0	0	17.5	0		0

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	library room MCB to HM room	1	9.5	0	0	9.5	0		0
	library room MCB to Room 2	1	32	0	0	32	0		0
	library Room MCB to Room 3	1	40	0	0	40	0		0
	library room MCB to Room 4	1	48	0	0	48	0		0
	library room MCB to Room5	1	13.3	0	0	13.3	0		0
	library room MCB to toilets	1	56	0	0	56	0		0
	room 5 MCB to DB at Room 7	1	19.9	0	0	19.9	0		0
	room 5 MCB to DB at room 8	1	32.4	0	0	32.4	0		0
	room 5 MCB to DB at room1	1	28	0	0	28	0		0
	room 5 MCB to DB room 1 socket	1	35.2	0	0	35.2	0		0
	room 5 MCB to Roiom 6 DB	1	12.4	0	0	12.4	0		0
	Total					587.3	32.52	rmt	19,099
	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)								
	batten holder points	43	0	0	0	43	0		0
	Fan Points	80	0	0	0	80	0		0
	light points	85	0	0	0	85	0		0
	Total					208	611.17	Nos	1,27,123
	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)								
	at GF Library room	2	0	0	0	2	0		0
	at new room GF	14	0	0	0	14	0		0
	at new rooms FF	12	0	0	0	12	0		0
	at old rooms	16	0	0	0	16	0		0

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	Total					44	108.34	Nos	4,767
	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)								
	at old Room 1	1	0	0	0	1	0		0
	Total					1	434.34	Nos	434
	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	80	0	0	0	80	0		0
	Total					80	867.5	Nos	69,400
	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)								
	batten holders	43	0	0	0	43	0		0
	Total					43	69.75	Nos	2,999
	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)								
	45 W LED street lights	3	0	0	0	3	0		0
	Total					3	4500	Nos	13,500
	Supply and fixing of1 Module Modular type Electronic step type Fan Regulator. in the existing switch board. (Excluding GST)								
	Fan Regulator	80	0	0	0	80	0		0
	Total					80	365	Nos	29,200
	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	76	0	0	0	76	0		0
	Total					76	138.88	Nos	10,555
	Supply of the 3.5 Core 25.00 Sq.mm. PVC XLPE armoured cable 1100 V. Grade with ISI mark stranded / solid, aluminimum conductor complete (Excluding GST)								
	armoured cable	0	0	0	0	0	0		0
	Total					0	180	rmt	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)								

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	Distribution 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	76	0	0	0	76	0		0
	Total					76	1440	Nos	1,09,440
	Supply and Transportation of XLPE/PVC insulated & PVC sheathed armoured cables of 1.1 KV grade with copper conductor as per IS 7098 Part-I -1988 etc complete (Excluding GST)								
	armoured cable	1	100	0	0	100	0		0
	Total					100	220	rmt	22,000
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	43095.39	PERCENT AGE	43,095

Work Code	: 201920028578	Name of the Work	: Major and Minor Repairs
Administrative Sanction No	: Proc.No2823009049/MBNN/2020 -2021	Technical Sanctioned	: 229 No
Estimate Amount (in Rs.)	: 20,11,633/-	Work MBook Amount	: 21,62,697/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads & contractor profit etc., complete [Reinforced cement concrete] (Excluding GST)								

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	1.sunshade for old class rooms	15	3.3	0.6	0.08	2.38	0		0
	2.sunshades for old class room	30	0.75	0.6	0.08	1.08	0		0
	Total					3.46	2271.9	cum	7,861
	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads & contractor profit etc., complete [Brick masonry] (Excluding GST)								
	1.In Old Class room No8	1	1.85	0.4	0.65	0.48	0		0
	2.In Old Class Room No8	2	1.2	0.4	1.53	1.47	0		0
	3.In Old Class Room no8	1	0.6	0.4	1.53	0.37	0		0
	4.Old Toilet Blocks	1	4.3	0.23	2	1.98	0		0
	5.Old toilet Blocks	1	3	0.23	2	1.38	0		0
	6.compound walls	1	6.5	0.23	1.5	2.24	0		0
	Total					7.92	262.08	cum	2,076
	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads & contractor profit etc., complete [Kadapa slabs or shahabad stone slabs on sand bed] (Excluding GST)								
	10.in Ground Floor	1	0.82	1.25	0	1.02	0		0
	11.in GF	1	0.82	0.82	0	0.67	0		0
	12.inGF	1	0.82	0.32	0	0.26	0		0
	13.in GF	1	3.6	0.4	0	1.44	0		0
	14.in GF	1	0.82	0.4	0	0.33	0		0
	15.in GF	1	0.62	0.4	0	0.25	0		0
	16.in GF	1	1.05	0.82	0	0.86	0		0
	17.in GF	1	2.62	0.6	0	1.57	0		0
	18.in GF	1	0.8	0.8	0	0.64	0		0
	19.in GF	1	0.4	0.4	0	0.16	0		0
	2. Room2	1	7.04	6.4	0	45.06	0		0
	20.in GF	1	0.8	0.4	0	0.32	0		0
	21.in GF	1	1.22	0.8	0	0.98	0		0
	22.in GF	1	1.7	0.6	0	1.02	0		0
	23.in GF	1	3.55	0.6	0	2.13	0		0

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24.	1	1.15	0.7	0	0.8	0	0
25.in GF	1	0.8	0.8	0	0.64	0	0
26.Damaged Vetrified Flooring in FF	1	1.95	1.8	0	3.51	0	0
27.in FF	1	1.22	1.8	0	2.2	0	0
28.in FF	1	2.4	1.62	0	3.89	0	0
29.in FF	1	1.25	0.8	0	1	0	0
3.Room3	1	7.03	6.4	0	44.99	0	0
30.in FF	1	1.65	1.2	0	1.98	0	0
31.in FF	1	0.64	0.8	0	0.51	0	0
32.in FF	1	2.85	4.3	0	12.25	0	0
33.in FF	1	1.8	1.55	0	2.79	0	0
34.in FF	1	0.82	1.75	0	1.43	0	0
35.in FF	1	1.25	1.4	0	1.75	0	0
36.in FF	1	4.05	0.8	0	3.24	0	0
37.in FF	1	1.66	1.22	0	2.03	0	0
38.in FF	1	1.75	0.8	0	1.4	0	0
39.in FF	1	1.22	1.4	0	1.71	0	0
4.Room4	1	7.04	6.4	0	45.06	0	0
40.in FF	1	2.45	1.6	0	3.92	0	0
41.in FF	1	1.4	0.4	0	0.56	0	0
42.in FF	1	1.63	1.75	0	2.85	0	0
43.in FF	1	0.8	0.8	0	0.64	0	0
44.in FF	1	0.8	1.75	0	1.4	0	0
45.in FF	1	1.65	1.75	0	2.89	0	0
46.in FF	1	1.63	0.48	0	0.78	0	0
47. in FF	1	3.25	1.75	0	5.69	0	0
48.in FF	2	1.22	1.75	0	4.27	0	0
49.in FF	1	14	0.8	0	11.2	0	0
5.Room5	1	7	6.4	0	44.8	0	0
50.in FF	1	5.46	1.75	0	9.55	0	0
51.in FF	2	1.2	0.8	0	1.92	0	0
6.Room6	1	7.03	6.4	0	44.99	0	0

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	7.Old Kadapa Flooring	1	7.9	5.13	0	40.53	0		0
	8.Damaged Vetrified Flooring GF	1	4.85	0.85	0	4.12	0		0
	9.Damaged Vetrified Flooring GF	1	2.45	1.25	0	3.06	0		0
	for old class room	1	6.4	7	0	44.8	0		0
	Total					415.86	6.6	Sqm	2,745
	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads & contractor profit etc., complete [Unreinforced cement concrete up to 15cm thickness] (Excluding GST)								
	1. Over slab	1	7.15	6.7	0.12	5.75	0		0
	2.Over slab	1	9.9	6.7	0.1	6.63	0		0
	3.over stage	1	6.5	3.7	0.05	1.2	0		0
	4.store room	1	3.15	4.9	0.05	0.77	0		0
	Total					14.35	1024.8	cum	14,706
	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads & contractor profit etc., complete [Unreinforced cement concrete more than 15cm thickness] (Excluding GST)								
	1. Over slab	1	9.8	6.7	0.17	11.16	0		0
	2.Over slab	1	9.8	6.7	0.16	10.51	0		0
	Total					21.67	2049.6	cum	44,415
	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)								
	1.Out side plastering for old class room (south wall)	1	34.5	0	4.3	148.35	0		0
	2.Outside Plastering for old class room (south side wall)	1	2.75	0	3.3	9.07	0		0
	3.for column faces BHS	10	0.12	0	4.3	5.16	0		0
	4.deduct windows	7.5	1.5	0	1.2	-13.5	0		0
	5.Ornamental ceiling Plastering in staff room	1	6.1	3.55	0	21.65	0		0
	6.sump plastering	2	1.98	0	1.85	7.33	0		0

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	7.sump plastering	2	3.53	0	1.85	13.06	0		0
	8.black Boards	6	2.5	0	1.1	16.5	0		0
	Total					207.62	5.5	Sqm	1,142
	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)								
	1.for wooden windows in old room no 6 & 5	7	0	0	0	7	0		0
	2.for Doors	1	0	0	0	1	0		0
	3.for wooden windows in old room no 7	3	0	0	0	3	0		0
	4.for iron grills in room no 8	2	0	0	0	2	0		0
	Total					13	154.75	Nos	2,012
	Dismantling doors , windows and clear storey windows, Ventilators etc., (wood or steel) shutters including Chowkhats , architraves,hold fasts and other attachments etc., and stacking them within 100m lead including labour charge etc., and overheads & contractors profit complete for finished item of work[Exceeding 3 sqm] (Excluding GST)								
	For Wooden windows in Old RoomNo. 5 &6	0	0	0	0	0	0		0
	Total					0	207.85	Nos	0
	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 class room	2	4.3	0	0	8.6	0		0
	Total					8.6	38	rmt	327
	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)								
	2.Room2	1	7.04	6.4	0.1	4.51	0		0
	3.Room3	1	7.03	6.4	0.1	4.5	0		0
	4.Room 4	1	7.04	6.4	0.1	4.51	0		0
	5.Room 5	1	7	6.4	0.1	4.48	0		0
	6. room 6	1	7.03	6.4	0.1	4.5	0		0

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	7.Old Kadapa Flooring	1	7.9	5.13	0.1	4.05	0		0
	8.for kitchen shed Pedestails	9	0.6	0.6	0.6	1.94	0		0
	for flooring	1	6.4	7	0.1	4.48	0		0
	for input of soak pit	1	90	0.6	0.6	32.4	0		0
	for RO plant input	1	49	0.6	0.6	17.64	0		0
	Total					83.01	152.88	cum	12,691
	Plain Cement Concrete (1:5:10) M5 grade using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work (Excluding GST)								
	for Ramp	0	17	0.45	0.15	0	0		0
	for ramp flooring	0	3.6	4.4	0.1	0	0		0
	for Ramp flooring	0	5	1.8	0.1	0	0		0
	Total					0	3089.83	cum	0
	Random Rubble stone masonry in CM (1:6) using hard variety of Granite stones from approved quarry including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for foundation and basement. (Excluding GST)								
	for Ramp	0	17	0.45	0.6	0	0		0
	Total					0	3426.74	cum	0
	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)								
	1. Out side plastering for Old class room (south wall)	1	34.5	0	4.3	148.35	0		0
	2.Out side plastering for old class room	1	2.75	0	3.3	9.07	0		0
	deduct 0.50 of windows	7.5	1.5	0	1.2	-13.5	0		0
	for column edges	10	0.12	0	4.3	5.16	0		0
	Total					149.08	248.9	sqm	37,106
	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure. (Excluding GST)								
	1. for Kitchen shed	1	5.55	0.23	3	3.83	0		0
	2. for kitchen shed	1	5.55	0.23	3.4	4.34	0		0

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	3.for kitchen shed	1	5.1	0.23	3.2	3.75	0		0
	4.for kitchen shed	1	5.1	0.23	3.2	3.75	0		0
	5.deduct door	1	1.2	0.23	2.1	-0.58	0		0
	6.deduct windows	4	1.2	0.23	1.5	-1.66	0		0
	7.deductventilators	2	1.8	0.23	0.45	-0.37	0		0
	9. over arch	0	6.51	0.23	0.6	0	0		0
	Total					13.06	5145.14	cum	67,196
	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)								
	For Sump Part 2	1	1.98	0.23	1.85	0.84	0		0
	For Sump Part1	1	9	0.23	0.15	0.31	0		0
	Total					1.15	4802.67	cum	5,523
	Construction of Perforated Dry Brick Masonry without using CM and keeping vertical dry joints of 15 to 20mm as directed by the Engineer – in – Charge including cost and conveyance of all amterials to site seignorage charges, sales and other taxes, all labour charges etc., complete item of work for Soak Pit. (Excluding GST)								
	for soak pit	0	2	0.23	2	0	0		0
	for soak pit	0	1.54	0.23	2	0	0		0
	Total					0	4649.37	cum	0
	Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded. (Excluding GST)								
	10mm HYSDBars	31.99	0	0	0	31.99	0		0
	12mm HYSD Bars	10.15	0	0	0	10.15	0		0
	8mm HYSD bars	211.82	0	0	0	211.82	0		0
	Total					253.96	48.41	Kgs	12,294
	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)								
	for gate columns	0	1.5	1.5	0.3	0	0		0
	Total					0	6525.2	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.[PEDASTALS] (Excluding GST)							
For Kitchen Pedestails	9	0.45	0.45	0.45	0.82	0		0
Total					0.82	6938.2	cum	5,689
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[COLUMNS] (Excluding GST)							
for gate columns	0	0.23	0.38	4.5	0	0		0
Total					0	8034.2	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.[PLINTH BEAMS] (Excluding GST)							
at gate	0	6.51	0.23	0.38	0	0		0
Total					0	8517.2	cum	0
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[BEAMS] (Excluding GST)							
for gate arch	0	7.1	0.6	0.23	0	0		0
Total					0	7474.47	cum	0
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 150mm thick] (Excluding GST)							

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	Deduct Manhole	1	0.6	0.6	0.13	-0.04	0		0
	for soak pit slab	0	2	2	0.13	0	0		0
	For Sump Top	1	4.05	2.4	0.13	1.21	0		0
	Total					1.17	6826.47	cum	7,987
	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.[CHAJJAS - SUNSHADES] (Excluding GST)								
	for kitchen shed sunshades	4	1.48	0.75	0.04	0.18	0		0
	pre casted sunshades	15	1.48	0.75	0.04	0.67	0		0
	Total					0.85	11607.2	cum	9,866
	Ornamental Ceiling plastering with CM (1:3), 12mm thick including cost and conveyance of all materials and all labour charges etc., complete. (Excluding GST)								
	1. for ceiling at staff room	1	3.55	6.1	0	21.65	0		0
	Total					21.65	253.03	sqm	5,478
	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 Masonry]. (Excluding GST)								
	1.sump plastering	2	3.53	0	1.85	13.06	0		0
	2. sumpplastering	2	1.98	0	1.85	7.33	0		0
	deduct door	0.5	1.2	0	2.1	-1.26	0		0
	deduct ventilators	1	1.8	0	0.45	-0.81	0		0
	deduct windows	2	1.2	0	1.5	-3.6	0		0
	external walls in	4	5.55	0	3.2	71.04	0		0
	for compound wall	0	0	0	0	0	0		0
	for gate brick masnory	0	0	0	0	0	0		0
	for gate columns	0	0	0	0	0	0		0
	Total					85.76	315.32	sqm	27,042
	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)								

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	For Class Room Roof Slabs 1	1	29.5	6.7	0	197.65	0		0
	For Class Room Roof Slabs 2	1	7.15	6.7	0	47.91	0		0
	Total					245.56	337.5	sqm	82,877
	Supplying, fitting and placing MS grilled door, windows, gate including fabrication charges and all incidental charges etc, cost and conveyance of all materials and all labour charges etc., complete. (make of materials - TATA, Jindal, Sail, Visakha) (Excluding GST)								
	for fencing poles	0	0	0	0	0	0		0
	for kitchen shed ventilators,trusses,purlions ,windows and doors for class rooms	2445	0	0	0	2445	0		0
	Total					2445	70.08	Kgs	1,71,346
	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)								
	1.in GF	1	4.85	0.85	0	4.12	0		0
	10. in GF	1	2.62	0.6	0	1.57	0		0
	11.in GF	1	0.8	0.8	0	0.64	0		0
	12. in GF	1	0.4	0.4	0	0.16	0		0
	13. in GF	1	0.8	0.4	0	0.32	0		0
	14. in GF	1	1.22	0.8	0	0.98	0		0
	15.in GF	1	1.7	0.6	0	1.02	0		0
	16. in GF	1	3.55	0.6	0	2.13	0		0
	17. in GF	1	1.15	0.7	0	0.8	0		0
	18.in GF	1	0.8	0.8	0	0.64	0		0
	2.in GF	1	2.45	1.25	0	3.06	0		0
	3. in GF	1	0.82	1.25	0	1.02	0		0
	4. In GF	1	0.82	0.82	0	0.67	0		0
	5.in GF	1	0.82	0.32	0	0.26	0		0
	6. in GF	1	3.6	0.4	0	1.44	0		0
	7. in GF	1	0.82	0.4	0	0.33	0		0
	8.in GF	1	0.62	0.4	0	0.25	0		0

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	9. in GF	1	1.05	0.82	0	0.86	0		0
	At Saraswathi Temple	1	3	3.8	0	11.4	0		0
	deduct temple	1	0.95	0.95	0	-0.9	0		0
	Total					30.77	751.31	sqm	23,118
	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.[Flooring with Vetrified tiles set over base coat of CM (1:8) 12 mm thick in First Floor] (Excluding GST)								
	1. in FF	1	1.95	1.8	0	3.51	0		0
	10.in FF	1	1.25	1.4	0	1.75	0		0
	11. in FF	1	4.05	0.8	0	3.24	0		0
	12. in FF	1	1.66	1.22	0	2.03	0		0
	13. in FF	1	1.75	0.8	0	1.4	0		0
	14. in FF	1	1.22	1.4	0	1.71	0		0
	15. in FF	1	2.45	1.6	0	3.92	0		0
	16. in FF	1	1.4	0.4	0	0.56	0		0
	17.in FF	1	1.63	1.75	0	2.85	0		0
	18.in FF	1	0.8	0.8	0	0.64	0		0
	19.inFF	1	0.8	1.75	0	1.4	0		0
	2. in FF	1	1.22	1.8	0	2.2	0		0
	20. inFF	1	1.65	1.75	0	2.89	0		0
	21.in FF	1	1.63	0.48	0	0.78	0		0
	22. in FF	1	3.25	1.75	0	5.69	0		0
	23. in FF	2	1.22	1.75	0	4.27	0		0
	24.in FF	1	14	0.8	0	11.2	0		0
	25.in FF	1	5.46	1.75	0	9.55	0		0
	26. in FF	2	1.2	0.8	0	1.92	0		0
	3.in FF	1	2.4	1.62	0	3.89	0		0
	4. in FF	1	1.25	0.8	0	1	0		0
	5. in FF	1	1.65	1.2	0	1.98	0		0
	6.in FF	1	0.64	0.8	0	0.51	0		0
	7.in FF	1	2.85	4.3	0	12.25	0		0
	8.in FF	1	1.8	1.55	0	2.79	0		0

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	9.in FF	1	0.82	1.75	0	1.43	0		0
	Total					85.36	780.27	sqm	66,604
	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)								
	1.room 1	1	7	6.4	0	44.8	0		0
	10. for stage	1	6.5	0	3.7	24.05	0		0
	11. for old stage	1	5.35	0	4.5	24.07	0		0
	12. for storage room	1	3.15	0	4.9	15.44	0		0
	13.for kitchen shed	1	5.1	0	4.9	24.99	0		0
	14.deduct stove area	1	2.4	0	2	-4.8	0		0
	2.room 2	1	7	6.4	0	44.8	0		0
	3. room 3	1	7	6.4	0	44.8	0		0
	4. room 4	1	7	6.4	0	44.8	0		0
	5.room 5	1	7	6.4	0	44.8	0		0
	6.room 6	1	7	6.4	0	44.8	0		0
	7. room 7	1	7.85	5.1	0	40.03	0		0
	8. for skirting	6	25.6	0.1	0	15.36	0		0
	9.for skirting	1	24.7	0.1	0	2.47	0		0
	Total					410.41	1846.8	sqm	7,57,945
	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)								
	at old toilets	1	30	3	0.35	31.5	0		0
	Total					31.5	378.5	cum	11,923
	Half Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same (Excluding GST)								
	at toilets	1	15.1	0	0	15.1	0		0
	Total					15.1	318	rmt	4,802

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Plain Cement Concrete 1:1.5:3 Nominal mix with concrete mixer equivalent to (1:1.5:3) using 20mm size (SS5) hard blasted granite machine crushed metal (Coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including steel centering, shuttering, machine mixing, laying concrete, lift charges, curing etc., complete for finished item of work for steps (Excluding GST)									
for sump bottom	1	3.53	1.98	0.15	1.05	0			0
Total					1.05	5335.47	cum		5,602
Plain Cement Concrete 1:1.5:3 Nominal mix with concrete mixer equivalent to (1:1.5:3) using 20mm size (SS5) hard blasted granite machine crushed metal (Coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including steel centering, shuttering, machine mixing, laying concrete, lift charges, curing etc., complete for finished item of work for steps[For First Floor] (Excluding GST)									
1.for roof slab for old class rooms	1	7.15	6.7	0.04	1.92	0			0
2.for roof slab for old class rooms	1	7.35	6.7	0.07	3.45	0			0
3.for roof slab of old class rooms	1	7.35	6.7	0.07	3.45	0			0
4. for roof slab of old class rooms	1	7.35	6.7	0.07	3.45	0			0
5. for roof slab of old class rooms	1	7.45	6.7	0.07	3.49	0			0
For Sump Bottom	0	0	0	0	0	0			0
Total					15.76	5473.7	cum		86,266
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)									
for store room	0	0	0	0	0	0			0
Kitchen Shed-Shed1	0	6.25	5.5	1	0	0			0
Total					0	466.91	sqm		0
Repairs to existing old furniture other than dual desks (Excluding GST)									
Reapirs to furniture	0	0	0	0	70200	0			0
Total					70200	1	LS		70,200

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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)									
for input of soak pit	1	60	0	0	60	0			0
Total					60	89.1	rmt		5,346
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)									
for input of soak pit	1	60	0	0	60	0			0
Total					60	169.13	rmt		10,148
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)									
for input for ro plant	1	60	0	0	60	0			0
Total					60	123	rmt		7,380
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)									
at ground	1	120	60	0.05	360	0			0
at old toilets	1	30	10	0.15	45	0			0
form old toilets to new toilets	1	40	5	0.1	20	0			0
Total					425	267.54	cum		1,13,705
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)									
10. for room	1	6.4	7	0.1	4.48	0			0
2.Room2	1	7.04	6.4	0.1	4.51	0			0
3.Room3	1	7.03	6.4	0.1	4.5	0			0
4.Room 4	1	7.04	6.4	0.1	4.51	0			0

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	5.Room 5	1	7	6.4	0.1	4.48	0		0
	6.Room 6	1	7.03	6.4	0.1	4.5	0		0
	7.Old Kadapa Flooring	1	7.9	5.13	0.1	4.05	0		0
	8.for Kitchen shed Pedestails	9	0.6	0.6	0.1	0.32	0		0
	9.for gate columns	0	1.8	1.8	0.15	0	0		0
	Total					31.35	3218.32	cum	1,00,894
	Plastering with CM (1:5) Single Coat, 12mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								
	1.for internal walls of Kitchen shed	1	5.1	0	3.4	17.34	0		0
	2.kitchen shed internalwalls	1	5.1	0	3	15.3	0		0
	3. Kitchen shed internal walls	2	5.2	0	3.2	33.28	0		0
	4.Deduct doors	0.5	1.2	0	2.1	-1.26	0		0
	5. deduct windows	2	1.2	0	1.5	-3.6	0		0
	6.deduct ventilators	1	1.8	0	0.45	-0.81	0		0
	Total					60.25	110.3	sqm	6,646
	Earth work excavation for foundations for buildings in hard rock (requiring blasting) and depositing on bank for all lifts and with an initial lead of 10m and up to 3m depth including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308) (Excluding GST)								
	at ground	1	2.8	1	2.1	5.88	0		0
	for ground clearance	1	5.5	8.7	1.5	71.77	0		0
	in ground	1	3.5	3	3.1	32.55	0		0
	Total					110.2	662.08	cum	72,961
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								
	differential cost for structural steel and HYSD bars	0	0	0	0	12150	0		0
	Total					12150	1	LS	12,150

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	Supplying and fixing galvanised steel barbed wire (IS : 278-1962 Type I) weighing 9.38 Kg per 100 metres (min.), Straining and fixing to any type of standard, rails, straining bolts, including securing with and provision of galvanised mild steel wire, stapples or steel pins, etc., as directed (Posts and struts of wood, concrete, steel, etc.) and straining bolts shall be paid for separately). (Excluding GST)							
	for fencing	0	0	0	0	0		0
	Total				0	11.16	rmt	0
	Roofing with 0.5 mm thick Galvanized / Pre-painted GI Profiled Sheets fixed to GI Pipes fixed to the purlins with 14 size self drilling screws with neoprene washer. Side laps are stritched with self tapping / drilling screws. End laps are to be sealed with 25 X 3 mm Butyl tape. The sheets are provided with anti capillary Groove including cost of conveyance of all materials and labour charges etc., complete. (Excluding GST)							
	for kitchen shed	1	6.25	5.5	0	34.38	0	0
	for store room	1	4.25	5.35	0	22.74	0	0
	Total					57.12	760 sqm	43,411
	Cost Supply and transportation of Reinforced Cement Concrete circular rings of 1.50m width (Excluding GST)							
	for soak pit	6	0	0	0	6	0	0
	Total					6	850 Nos	5,100
	Supply and fixing of Anchor fastner with fan hook / Providing MS Fan hook with grouting and cement plastering (Excluding GST)							
	fan hooks	32	0	0	0	32	0	0
	Total					32	80 Nos	2,560
	Supply of ONIDA Urinal Basin Bracket (Excluding GST)							
	brackets	18	0	0	0	18	0	0
	Total					18	233.05 Nos	4,195
	Supply & Fixing of D.O.L Starter 250V, Single phase, 50Hz. With SS enclouser comprising of contactor with bi-metalic relay with necessary push buttons, etc., complete suitable for..... Makes: Siemens / Crompton / L&T (MF1) (Excluding GST)							
	starter	1	0	0	0	1	0	0
	Total					1	950 Nos	950
	Provision for GST @ 12.00%							
	Provision for GST	1	0	0	0	1	0	0

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Total					1	230415.7	PERCENT AGE	2,30,416
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Work Code : 201920029042 **Name of the Work** : Paintings to School
Administrative Sanction No : Proc.No2823009049/MBNN/2020 **Technical Sanctioned** : 229
 -2021 **No**
Estimate Amount (in Rs.) : 6,12,289/- **Work MBook Amount** : 6,52,979/-
 (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	(Berger Paints India) Painting to walls with two coats of acrylic emulsion paint weather proof water based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter / Interior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing / scrubbing the surface to remove old paint / lime surface any other adhesives / all loose powdered materials with mechanical devices (optimum pressure) like automatic sandar and mechanical scrubber or manually (where ever mechanical scrubbing not possible) as per technical specification / conditions and including Bio wash / Jet wash / repairs to cracks upto 5mm with acrylic paste / dampness / patches to restore the wall surface apply primer and acrylic emulsion exterior grade / interior grade of the company manufactured as per the given specifications, in two coats. Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools / equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and including all taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company with a warranty period of 7 Years for entire painting & paint coloring Total 3 (three) coats:1. Primary Coat 2. Emulsion paint 2(two coats) Exterior (1) Exterior Emulsion should satisfy following parameters :- Dry film thickness for primary coat (Barrier coat) = 70 – 80 Microns, Dry film thickness for emulsion 2 coats = 50 – 60 Microns, Sheen levels at 60 degree GH = > 18 as measured in white, Water resistance = passes> 48 Hrs as per ASTM D870 – 15, Flame spread resistance = Passes as per BS 476 – PART-7 –1997 : Rating Class-I, Resistance to Alkali= Efflorescence Test (Water Permeability test as per SS-500-2002), Durability against colour, flaking, cracking, chalking and weathering = 7 Years warranty on colour & film integrity. Surface drying type = 30 minutes, Spread area = 50 – 60 sqft, Adhesive capacity = Pull of adhesion > 1.5 Mpa, Temperature stability = QUVA > 1000 hours, Dust Repellent = Natural weather exposure for 3 months – No visual difference initially and after cleaning (Including GST)								
	for all external walls	0	0	0	0	3009.86	0		0

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	Total					3009.86	85.02	Sqm	2,55,898
	(Berger Paints India) Painting to walls with two coats of acrylic emulsion paint weather proof water based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter / Interior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing / scrubbing the surface to remove old paint / lime surface any other adhesives / all loose powdered materials with mechanical devices (optimum pressure) like automatic sandar and mechanical scrubber or manually (where ever mechanical scrubbing not possible) as per technical specification / conditions and including Bio wash / Jet wash / repairs to cracks upto 5mm with acrylic paste / dampness / patches to restore the wall surface apply primer and acrylic emulsion exterior grade / interior grade of the company manufactured as per the given specifications, in two coats. Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools / equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and including all taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company with a warranty period of 7 Years for entire painting & paint coloring Total 3 (three) coats:1. Primary Coat 2. Emulsion paint 2(two coats) Interior (2) Interior Emulsion should satisfy following parameters : - Dry film thickness for primary coat = 15 – 20 Microns Dry film thickness for emulsion 2 coats = 45 – 50 Microns, Scrub cycles = Minimum 300 cycles as per ASTM D 3450, Washability = Minimum 14000 cycles, Sheen levels at 60 degree GH = <5 units, Resistance to Alkali= Passes the test as per IS 15489 – 2004, Durability against colour, flaking, cracking, chalking and weathering = 7 Years warranty on colour & film integrity., Surface drying type = 30 minutes, Spread area = 120 – 130 sqft per liter, Temperature stability = Passes the test as per IS 15489: 2004. (Including GST)								
	for all internal walls	0	0	0	0	2552.72	0		0
	Total					2552.72	87.03	Sqm	2,22,163
	(Berger Paints India) Doors & Windows with wood primer, enamel (in case of Wooden Doors) : -Specification:- Painting to wood work with two coats of ready mixed Synthetic Enamel paints in all shades Grade - I Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools/equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and excluding taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company with a warranty period of 7 Years for entire painting & Paint Coloring Total 3 (three) coats:1. Primary Coat 2. Ready mixed Synthetic Enamel paint 2(two coats) Interior / Exterior Requirements for Enamel, Synthetic, Exterior (a) under coating (b) Finishing (Including GST)								
	for all wooden Doors & Windows	0	0	0	0	367.64	0		0
	Total					367.64	96.02	Sqm	35,301

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(Berger Paints India) Grills and Gates (iron Doors, Windows, Gates, Grills etc.) with primary coat of Red oxide : - Specification :- Painting to Iron work with two coats of ready mixed Synthetic Enamel paints in all shades Grade – I Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools/equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and excluding taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company Total 3 (three) coats:1. Primary Coat of Red oxide 2. Ready mixed Synthetic Enamel paint 2(two coats) Interior / Exterior Requirements for Enamel, Synthetic, Exterior (a) under coating (b) Finishing with a warranty period of 7 Years for entire painting & paint Coloring (Including GST)									
for all Iron Doors , windows, Grills & Gates	0	0	0	0	156.91	0			0
Total					156.91	90.01	Sqm		14,123
(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)									
Wall Arts	18	7.5	3.2	0	0	0			0
Total					0	85	Sqm		0
(Berger Paints India) Painting to Old walls with Single coat of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade making single coat in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, , cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for INTERNAL WALLS. (make: Berger /Asian) Colour code: Sugericing (NN Crem) -3P0237 Ceiling: white (Including GST)									
for all internal ceilings	0	0	0	0	1441.95	0			0
Total					1441.95	87.03	Sqm		1,25,493

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**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**