

మన బడి నాడు-నేడు

Measurement Book No : 28236000402001

District Name	:	CHITTOOR
Mandal Name	:	PEDDAPANJANI
Village Name	:	MUTHUKUR
Name of the Executing Agency	:	Panchayat Raj
Name of School	:	MPPS MUTHUKUR
U-Dise Code	:	28236000402
Technical Sanctioned Amount	:	2494730
Admin Sanctioned Amount	:	2494730
Total Expenditure	:	2211535

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Abstract

U-Dise Code : 28236000402
Technical Sanctioned Amount : 2494730
Admin Sanctioned Amount : 2494730
Total Expenditure : 2211535
MBook Number : 28236000402001

Work Code	Work type name	Estimated Cost	Value of work done
201920012608	English Labs	40000	44800
201920018051	Green Chalk Board	62047	60180
201920018073	Furniture for Students and Staff	574048	509729
201920028856	Drinking Water Supply	253975	230586
201920029066	Providing Electrification with Fans and Tube Lights	279447	240286
201920032524	Paintings to School	145513	169462
201920035867	Construction of Toilet with Running Water	236387	203056
201920036064	Major and Minor Repairs	903313	753437
	Total	2494730	2211535

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 : 201920012608 **Name of the Work** : English Labs
Administrative Sanction No : Proc.No2823010263/MBNN/2020-2021 **Technical Sanctioned** : 104 No
Estimate Amount (in Rs.) : 40,000/- **Work MBook Amount** : 44,800/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supply of 55 inches/65 inches LCD TV or LCD projector with Screen including installation (Detailed specifications will be given later in a circular) (Excluding GST)								
	LCD TV	0	0	0	0	40000	0		0
	Total					40000	1	LS	40,000

Work Code : 201920018051 **Name of the Work** : Green Chalk Board
Administrative Sanction No : Proc.No2823010263/MBNN/2020-2021 **Technical Sanctioned** : 104 No
Estimate Amount (in Rs.) : 62,047/- **Work MBook Amount** : 60,180/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supply and Fixing / Erection of e-3 ceramic magnetic Green Chalk Board of size 8 X 4 (2.4x1.2m) with vitrious enamil coated sheet made up of 0.3 to 0.4 mm thick steel sheet having 0.095 mm thick on top and 0.03 mm min on the back supported with 9mm thick MDF board having bulk density of 750 kg/cum and laminated with 0.25 mm thick electro galvanised steel sheet at the back. Both the top and backing sheet shall be properly fixed with MDF board using suitable adhesive to avoid any moisture absorption. Fixed in deluxe quality aluminium channels conforming to ISI standards including cost, transportation and all labour charges for fixing etc complete for finished item of work (Excluding GST)								

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	Class Room	5	0	0	0	5	0		0
	Total					5	10200	Nos	51,000
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	9180	PERCENT AGE	9,180

Work Code : 201920018073

Name of the Work : Furniture for Students and Staff

Administrative Sanction No : Proc.No2823010263/MBNN/2020-2021

Technical Sanctioned : 104 No

Estimate Amount (in Rs.) : 5,74,048/-

Work MBook Amount : 5,09,729/- (in Rs.)

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

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

INK BLUE	18	0	0	0	18	0		0
ORANGE COLOUR	7	0	0	0	7	0		0
PARROT GREEN	11	0	0	0	11	0		0
RED COLOUR	7	0	0	0	7	0		0
Total					43	6768.38	Nos	2,91,040

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(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 polyester powder coating minimum 50 – 60 microns DFT (Dry film thickness) as per IS 13871 : 1993 with reference to IS 101. The rate shall be inclusive of transportation, labour charges, erection, installation at site (schools), GST and all taxes etc., as applicable from time to time The item shall carry a warranty period of 5 (Five) years from the date of supply. (Including GST)									
Locker	1	0	0	0	1	0			0
Total					1	9400	Nos		9,400
(Innovative Industries) Dual Desk Type-II (Class III to V) Supply & Placing Dual desk for class III to V ; TYPE-II (A) (Color Parrot Green, 251 of Greenlam or Equivqlent or any other colours decided by the Govt.) The overall dimensions of desk will be W 1066mm x D 930mm x H 688 (for table top). The seating bench height shall be 423 mm. The desk shall be manufactured as per the specifications mentioned below: - (1) Table top shall be made up of 18.0 mm thick plywood (tolerance as per IS 303) of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish). Table top dimensions shall be W 1008.0 mm x D 380.0 mm. Edge towards bench shall be post formed with round edge. The remaining three edges must be sealed with 2mmthick PVC edge banding tape. Edge band must be trimmed on edges and corners. The desk shall be Green guard certified for low chemical emission of VOCs (Voltage Organic Compounds) and carcinogens, contributing to a healthier room environment. Valid certificate to be submitted along with the bid. Make of Plywood : Merino / Greenply / Century / Kitply. Make of Laminate & balancer : Marino / Greenlam / ASIS / Century. (2) Side frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness bolted to 25.0 mm x 50.0 mm x 1.2mm thickness tube of 890mm length by using C-clamps made up of 3.0 mm thickness sheet. Make for CRCA sheet – ESSAR / TATA / SAIL / JINDAL. Proposed desk should be ROHS certified from INTERTEK / UL. Valid certificate to be submitted along with the bid. (3) Seat and back rest frame structure: Made of CRCA press-formed section 165.0 mm x 25.0 mm x 1.0 mm thickness welded to MS pipe of 25.4 mm diameter x 1.2mm thickness. All 8 numbers of horizontal supports shall be made up MS tube having dimensions 25.0 mm x 25.0 mm x 1.2 mm thickness. MS tube of size 20.0 mm x 20.0 mm x 1.0 mm thickness and 100.0 mm long shall be welded to the frame to hold the horizontal supports. Raw materials of MS tubes shall be from ESSAR / TATA / SAIL / JINDAL. (4) Rectangular MS tube of dimension 50.0 mm x 25.0 mm x 1.2 mm thickness shall be closed with PPCP (Poly Propylene Copolymer) cap at both the ends. Pipe diameter 25.4 mm x 1.2 mm thickness shall be closed with PPCP cap at back side and under the seat. (5) Upper modesty panel and shelf shall be made of 0.8 mm thick CRCA sheet. The dimensions for upper modesty panel shall be H 175.0 mm x W 1012.0 mm x D 23.0 mm. The dimensions of shelf shall be W 1012.0 mm X D 300.0 mm X H 23.0 mm. The shelf shall have vertical partition at the center. This partition shall be made up of square MS tube having size 25.0 mm x 25.0 mm x 1.2 mm									

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thickness. Stiffeners of MS tube having sizes as 20.0 mm x 20.0 mm x 1.0 mm thickness shall be provided in upper modesty panel and shelf. Front fascia of upper modesty panel of desk shall have embossed design. The corners of shelf (projecting towards the seating bench) shall be rounded through corner-forming technology (without welding) to avoid injury in case of accidental impact. (6) Additional lower modesty panel having size H 150.0 mm x W 1008.0 mm X D 23.0 mm shall be made up of 0.8 mm thick CRCA sheet with designer square perforations. MS tube of size 20.0 mm x 20.0 mm x 1.2 mm thickness shall be fixed across the length at the bottom side of lower modesty panel. (7) Seat and back rest shall be made of 18mm thick plywood of MR Grade OSL (one side shall be laminated, and other side shall have balancer finish) except back rest. Back rest shall have both sides lamination Technical details of seat and back rest are mentioned below: (8) Seating bench dimensions shall be W 1066.0 mm X D 300.0 mm: Front side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. (9) Back rest dimensions shall be W 1066.0 mm x D 250.0 mm: Upper side shall be rounded with post forming. Remaining three edges shall be sealed with 2mm thick PVC edge banding tape. (10) Leg space between top and seat shall be 125mm. (11) Bag/bottle hooks shall be made of MS wire having diameter of 5.0 mm. The overall size of hook shall be W 23.0 mm, D 32.0 mm and H 80.0 mm. It shall be welded on inner facia of both the vertical press-fitted steel sections.(9) The MIG / Spot welding shall be done as per technical requirement. (10) All metal components shall be powder coated in satin finish with pretreatment process. Powder coating shall be tested and certified on following parameters from NABL Accredited/ Government Laboratory, Valid certificates / test reports to be submitted along with the bid. item shall carry a warranty period of 5 (Five) years from the date of supply (Including GST)

	CLASS 3 TO 5	23	0	0	0	23	0		0
	Total					23	6821.78	Nos	1,56,901
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	52387.26	PERCENT AGE	52,387

Work Code	: 201920028856	Name of the Work	: Drinking Water Supply
Administrative Sanction No	: Proc.No2823010263/MBNN/2020-2021	Technical Sanctioned	: 104 No
Estimate Amount (in Rs.)	: 2,53,975/-	Work MBook Amount	: 2,30,586/- (in Rs.)

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

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	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work. [Ordinary Soil - Manual means - Upto 3m depth] (Excluding GST)								
	SUMP	1	5	2.3	2.2	25.3	0		0
	Total					25.3	267.54	cum	6,769
	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)								
	Sump	1	4.3	2.3	0.15	1.48	0		0
	Total					1.48	2837.98	cum	4,200
	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)								
	Deduvt ohsr door	1	0.6	0.6	0.13	-0.04	0		0
	Hand wash unit East side	1	3.55	0.32	0.07	0.08	0		0
	Hand wash unit west side bed	1	3.48	0.35	0.07	0.09	0		0
	OHSR bottom slab	1	2.3	2.3	0.13	0.66	0		0
	Ohsr pillar	1	0.58	0.58	0.45	0.15	0		0
	Sump bottom slab	1	4.2	1.98	0.15	1.25	0		0
	SUMP DED DOOR	1	0.6	0.6	0.13	-0.04	0		0
	Sump top slab	1	4.2	1.9	0.13	1.04	0		0
	Total					3.19	6890.13	cum	21,980
	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)								
	Ohsr	220	0	0	0	220	0		0
	Sump	110	0	0	0	110	0		0
	Total					330	48.41	Kgs	15,975

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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)								
	28.60 MM OD Pipe	1	60	0	0	60	0		0
	Total					60	123	rmt	7,380
	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)								
	Ohsr to Main gate wall	1	35	0	0	35	0		0
	Total					35	266	rmt	9,310
	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 requistie size for monoblock motor and pump (Excluding GST)								
	Erecting of 1 HP mono block mator pump set	1	0	0	0	1	0		0
	Total					1	8175	Nos	8,175
	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)								
	East side	1	3.55	0.35	0.45	0.56	0		0
	For hand wash unit west side	1	3.48	0.32	0.45	0.5	0		0
	Long Walls	2	4.2	0.23	1.65	3.19	0		0
	Ohsr	2	2.3	0.23	1.52	1.61	0		0
	Ohsr pillars	3	0.6	0.6	0.45	0.49	0		0
	Ohsr short wall	2	1.8	0.23	1.52	1.26	0		0
	Short Walls	2	1.35	0.23	1.65	1.02	0		0
	Total					8.63	4784.41	cum	41,289
	Plastering with CM 2 coats, 12mm thick, base coat in CM (1:5), 8mm thick and top coat in CM (1:3), 4mm thick with sponze finishing including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								

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	Hand wash unit east and west	2	3.45	0	0	0	0		0
	Ohsr alround inside	1	9	0	1.75	15.75	0		0
	Sump alround inside	1	15.6	0	0	0	0		0
	Total					15.75	307.14	sqm	4,837
	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)								
	East and west Hand wash	2	4	0	0.3	2.4	0		0
	East and west Hand wash	2	4	0	0.3	2.4	0		0
	Hand wash east and west	2	4	0	0.3	2.4	0		0
	Total					7.2	559.44	sqm	4,028
	Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work[20mm PPR Ball valve] (Excluding GST)								
	Water Supply Line	2	0	0	0	2	0		0
	Total					2	207	Nos	414
	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)								
	Water Supply Line	7	0	0	0	7	0		0
	Total					7	445	Nos	3,115
	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[50 mm PPR Ball valve] (Excluding GST)								
	In front class	1	0	0	0	1	0		0
	Total					1	519	Nos	519
	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)								
	OHSR	2	1.85	0.23	0.23	0.2	0		0
	OHSR plinth L W	2	2.3	0.23	0.23	0.24	0		0

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	Total					0.44	8136.86	cum	3,580
	Drinking water system for schools having source water TDS below 400 ppm : Type- I: Supplying and fixing of Drinking water system with the set Design, Drawing and Specifications, Cost includes loading, Transportation, supply, unloading charges etc., Erection, Commissioning, Testing including TDS range of the Purified water at the school premises, and all incidental charges, including GST etc., all other taxes and charges for complete finished item of work, with a warranty period of 05 (five) years and further extendable AMC for a period of 05(five) years on mutually agreed terms and conditions. Tank overall dimensions : 643.8mmx529.4mmx 1612.2mm (including top cover and leg). Raw water tank (40 liters capacity) : Outer size : 226.4 mm x 477.4 mm x 421.2mm. Pure water tank (60 liters capacity): Outer size : 338.4 mmx 477.4 mm x 421.2mm mm. Tank Frame : The overall Tank frame shall be made with stainless steel tube of size 25 mm x 25 mm x 1.6 mm thickness with all verticals and horizontals and also stiffeners at bottom of raw water tank & pure water tank including bottom supporting sheet of 3 mm thick.Openable Top cover of 01mm thickness with strong hinge :Top dimension size of tank SS 304 grade (643.8 mm x 529.4mmx37mm). Sink: 4 Nos. of heavy-duty taps connected to stainless steel flexible pipes from pure water tank to foot pedestal and foot pedestal to taps. Taps shall be fixed at height of 380mm from bottom sink. Water Treatment unit with UV System (with all necessary connections) : UV system with 100 LPH (Make: ALFA / Sukruth / Nexus); Dual Media Filter; (Mud) Micron filter-01. (Make: MMP / Pratham Ionflow/Global absorbent); DC Pump - 12 - 24W; booster pump 0.5 hp; Socket - 01 No; Battery-12V-7ah [one(01)- in number with all CHARGEABLE ACEESSORIES; optimum rating. One TDS meter. The entire tank should be covered with stainless steel sheet of 1.0 mm thick of 304 grade, all-round 03 sides of tank unit including off-sets etc., and the Back door shall be made up of 1.20mm thick SS 304 grade complete with stiffeners of 12mm x 12mm x 1.5mm thickness. Top and Back panel shall be openable with locking system. 4 Nos. of 150mm height legs should be provided. Pedal push heavy duty taps shall be provided; All the pipes used are SS 304 Except the Drain pipe from dispenser , which can be UPVC of 40mm dia. (Excluding GST)								
	RO	1	0	0	0	1	0		0
	Total					1	65373	Nos	65,373
	Sand filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work.[Sand filling] (Excluding GST)								
	Sump	1	4.3	2.3	0.1	0.99	0		0
	Total					0.99	729.4	cum	722
	Reinforced Brick Masonry 11.5cm (4 1/2) thick for partition walls in CM (1:4) prop: using second class bricks from approved source having minimum crushing strength of 40 Kg/Sqcm. and placing 2nos. of 6mm dia MS bars embedded in every 3rd layer with free ends of reinforcement keyed into mortar joints of the main brick work wherever applicable including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing cement mortar, constructing masonry, scaffolding charges, lift charges, curing, etc., but excluding cost and conveyance of steel and its fabrication charges complete for finished item of work (Excluding GST)								
	Sump L W	2	4.2	0	0.1	0.84	0		0
	Sump S w	2	1.35	0	0.1	0.27	0		0

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	Total					1.11	929.72	sqm	1,032
	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)								
	Alround OHSR	1	9.2	0	1.4	12.88	0		0
	Ohsr pillars	12	0.6	0	0	4.32	0		0
	OVER PLINTH	2	2.3	0	0.69	3.17	0		0
	Over plinth	2	1.85	0	0.69	2.55	0		0
	Total					22.92	313.31	sqm	7,181
	Supply & Fixing of 22 dia RCC Cover for manhole with nominal reinforcement 3 thick with hooks for lifting including cost and conveyance of all materials, labour charges etc., complete for finished tiem of work (Excluding GST)								
	OHSR	0	0	0	0	0	0		0
	Sump	0	0	0	0	0	0		0
	Total					0	633	Nos	0
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	24705.61	PERCENT AGE	24,706

Work Code : 201920029066

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

Administrative Sanction No : Proc.No2823010263/MBNN/2020 -2021

Technical Sanctioned : 104 No

Estimate Amount (in Rs.) : 2,79,447/-

Work MBook Amount : 2,40,286/- (in Rs.)

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

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	Supply and fixing of 25mm dia 2.2mm thick P.V.C. pipe (ISI Mark) concealed in Roof Slabs with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)							
	Class 1 to 5	1	205	0	0	205	0	0
	Total					205	66.86 mtr	13,706
	Supply and run of 1 of 14/0.3mm (1.0 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for earth continuity including all labour charges etc., complete. (Excluding GST)							
	Earthing Wire from DB to SB	1	900	0	0	900	0	0
	Total					900	18.62 mtr	16,758
	Supply and run of 2 of 36/0.3mm (2.5 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete. (Excluding GST)							
	Copper Cable for Run of Mains	1	345	0	0	345	0	0
	Total					345	64.93 mtr	22,401
	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 TPN to AC Point	1	0	0	0	0	0	0
	From TPN to Power Socket	1	0	0	0	0	0	0
	From TPN to SB	1	0	0	0	0	0	0
	Total					0	32.52 rmt	0
	Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete for Light, Fan, Exhaust Fan etc., complete. (Excluding GST)							
	Fan Points	25	0	0	0	25	0	0
	Light Points	28	0	0	0	28	0	0
	Rain proof holders	2	0	0	0	2	0	0
	Street light	2	0	0	0	2	0	0
	Total					57	611.17 Nos	34,837
	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)							
	All classes	21	0	0	0	21	0	0
	Total					21	108.34 Nos	2,275

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	Supply and fixing of 16A 3pin flush type switch socket combined (2 in 1) duly recessed in wall with wooden deep box of 6x8x21/2 size covered with hylam sheet including earth connections and all labour charges etc., complete. (Excluding GST)								
	16A 3 Pin Socket	0	0	0	0	0	0		0
	Total					0	324.75	Nos	0
	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)								
	Class 1 to 5	0	0	0	0	0	0		0
	Total					0	434.34	Nos	0
	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	28	0	0	0	28	0		0
	Total					28	867.5	Nos	24,290
	Supply and Fixing of batten holder/angle holder on existing block with 7.0W LED bulb and all labour charges etc., complete. In lieu of ceiling rose. (Excluding GST)								
	Holders with Bulb	2	0	0	0	2	0		0
	Total					2	209.75	Nos	420
	Supply and transportation of 60 W LED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass (Excluding GST)								
	LED Street light Luminaire	2	0	0	0	2	0		0
	Total					2	5900	Nos	11,800
	Supply of 1200mm (48) Sweep 230V, A.C 50 Hz Ceiling Fan with 3 blades and double ball bearings with all standard accseeories. (Excluding GST)								
	Ceiling Fan	25	0	0	0	25	0		0
	Total					25	2020	Nos	50,500
	Supply and fixing of1 Module Modular type Electronic step type Fan Regulator. in the existing switch board. (Excluding GST)								
	Fan Regulator	25	0	0	0	25	0		0
	Total					25	365	Nos	9,125
	Labour charges for fixing of ceiling fan and regulator including transportation and giving connections with twin core wire etc., complete. (Excluding GST)								
	Labour charges for fixing of ceiling fan	25	0	0	0	25	0		0

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	Total					25	138.88	Nos	3,472
	Supply and fixing SPN Distribution board with IP-42 protection (Metal Door) suitable for single phase ELCB / RCCB / DP Isolator as incomer and 10kA SP MCBs as outing going including internal connection and labour charges for surface/ flush mounting etc., complete. (Excluding GST)								
	Distribution Board	5	0	0	0	5	0		0
	Total					5	4107.07	Nos	20,535
	Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Data, using 40mm GI B Class Pipe of 2.5 Mtrs length with necessary accessories duly providing staggered holes including filling with equal proportion of Salt and Charcoal in layers and all labour charges etc., complete. (Excluding GST)								
	In between class and kitchen	1	0	0	0	1	0		0
	Total					1	4421.91	Nos	4,422
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	25744.89	PERCENT AGE	25,745

Work Code : 201920032524

Name of the Work : Paintings to School

Administrative Sanction No : Proc.No2823010263/MBNN/2020-2021

Technical Sanctioned : 104 No

Estimate Amount (in Rs.) : 1,45,513/-

Work MBook Amount : 1,69,462/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Removing White wash or Colour wash by steel wire brushing and/or scraping; sand papering and preparing the wall surface smooth including necessary repairs to scratches complete. (Excluding GST)								
	ALL INTERNAL AND EXTERNAL	0	0	0	0	0	0		0
	Total					0	8.78	sqm	0

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	Removing White wash or Colour wash by steel wire brushing and/or scraping; sand papering and preparing the ceiling and/or sloping roofs surface smooth including necessary repairs to scratches complete. (Excluding GST)								
	kitchen	1	0	0	0	0	0		0
	Rooms inside ceiling - Block1	0	0	0	0	0	0		0
	Rooms inside ceiling - Block2	0	0	0	0	0	0		0
	Rooms inside ceiling - Block3	0	0	0	0	0	0		0
	Rooms inside ceiling - Block4	0	0	0	0	0	0		0
	Varndah class 3	1	0	0	0	0	0		0
	Verandah - Block1	0	0	0	0	0	0		0
	Verandah - Block2	0	0	0	0	0	0		0
	Verandah - Block4	0	0	0	0	0	0		0
	Total					0	10.21	sqm	0
	Painting to New walls with two coats of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor INTERNAL Make : Asian, Burger, Nerolac (Excluding GST)								
	internal walls	0	0	0	0	579.88	0		0
	Total					579.88	87.03	sqm	50,467
	Painting to New walls with two coats of acrylic emulsion paint weather proof waterbased, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor EXTERNAL (Excluding GST)								
	External walls	0	0	0	0	773.87	0		0
	Total					773.87	85.02	sqm	65,794

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	Painting to walls with a base coat of approved cement primer grade I after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item of work for internal walls in Ground Floor. (Excluding GST)								
	Class 5 Ceiling	1	0	0	0	0	0		0
	Class 5 varandah ceiling	0	0	0	0	0	0		0
	Class 5 walls	0	0	0	0	0	0		0
	Class 5 windows	0	0	0	0	0	0		0
	Deduct Doors - Block1	0	0.9	1	2	0	0		0
	Deduct Doors - Block2	0	0	0	0	0	0		0
	Deduct Doors - Block3	0	0	0	0	0	0		0
	Deduct Doors - Block4	0	0	0	0	0	0		0
	Deduct Doors - Kitchen	0	0	0	0	0	0		0
	Deduct Doors - Toilet Block1	0	0	0	0	0	0		0
	Deduct Windows - Block1	0	0	0	0	0	0		0
	Deduct Windows - Block2	0	0	0	0	0	0		0
	Deduct Windows - Block3	0	0	0	0	0	0		0
	Deduct Windows - Block4	0	0	0	0	0	0		0
	Door ded class 5	0	0	0	0	0	0		0
	Ladies toilet 1	0	0	0	0	0	0		0
	Ladies toilet 2	0	0	0	0	0	0		0
	New toilet room 1 & 2 around	0	0	0	0	0	0		0
	Rooms inside around Walls - Block1	0	0	0	0	0	0		0
	Rooms inside around Walls - Block2	0	0	0	0	0	0		0
	Rooms inside around Walls - Block3	0	0	0	0	0	0		0
	Rooms inside around Walls - Kitchen	0	0	0	0	0	0		0
	Rooms inside around Walls - Toilet Block1	0	0	0	0	0	0		0

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	Rooms inside ceiling - Block1	0	0	0	0	0	0		0
	Rooms inside ceiling - Block2	0	0	0	0	0	0		0
	Rooms inside ceiling - Block3	0	0	0	0	0	0		0
	Rooms inside ceiling - Block4	0	0	0	0	0	0		0
	Rooms inside ceiling - Toilet Block1	0	0	0	0	0	0		0
	Toilet 1 ceiling	0	1.7	0	0	0	0		0
	Toilet 1 new ceiling	0	1.55	0	0	0	0		0
	Toilet 2	0	1.55	0	0	0	0		0
	Toilet 2 ceiling	1	1.7	0	0	0	0		0
	Varandah class 2	0	0	0	0	0	0		0
	Varandah class 3	0	6.15	0	0	0	0		0
	Varandah class 4	0	0	0	0	0	0		0
	Varandah Class 5	1	0	0	0	0	0		0
	Verandah Ceiling - Block1	0	0	0	0	0	0		0
	Verandah Ceiling - Block2	0	0	0	0	0	0		0
	Verandah Ceiling - Block4	0	0	0	0	0	0		0
	Verandah Walls - Block1	0	0	0	0	0	0		0
	Verandah Walls - Block2	0	0	0	0	0	0		0
	Verandah Walls - Block4	0	0	0	0	0	0		0
	Total					0	49.31	sqm	0
	Painting to walls with a base coat of approved cement primer grade II after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item of work for external walls in Ground Floor. (Excluding GST)								
	CHAJJAS AND SUNSHADES CLASS 5	1	0	0	1.3	0	0		0
	class 1	0	9.85	0	1.3	0	0		0
	Class 1 Alround	0	0	0	0	0	0		0
	Class 2	1	0	0	0	0	0		0
	Class 2Alround	1	0	0	0	0	0		0

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Class 3 sunshade	0	0	0	0	0	0	0		0
Class 4 alround 3 sides	0	0	0	0	0	0	0		0
Class 4 sunshade	0	6.05	0	0	0	0	0		0
Class 5 Alround 3 sides	0	0	0	0	0	0	0		0
Ded door	0	0	0	0	0	0	0		0
Ded door	2	0	0	0	0	0	0		0
Ded kitchen door	1	0	0	0	0	0	0		0
Ded windows	0	0	0	0	0	0	0		0
Ded windows	2	0	0	0	0	0	0		0
Ded wondows	0	0	0	0	0	0	0		0
Kitchen Alround	0	0	0	0	0	0	0		0
Outside back Walls - Block1	0	0	0	0	0	0	0		0
Outside back Walls - Kitchen	0	0	0	0	0	0	0		0
Outside back Walls - Toilet Block2	0	0	0	0	0	0	0		0
Pillers	0	0	0	0	0	0	0		0
Stage (Side walls)	2	0	0	0	0	0	0		0
Stage(Front& back)	2	0	0	0	0	0	0		0
Steps	0	1.05	0	0	0	0	0		0
SunShades	10	0	0	0	0	0	0		0
Toilet 1 & 2	1	0	0	0	0	0	0		0
Toilet outside alround	0	0	0	0	0	0	0		0
Top	0	0	0	0	0	0	0		0
Varandah	0	0	0	0	0	0	0		0
Varandah	0	0	0	0	0	0	0		0
Varandah	1	0	0	0	0	0	0		0
Varandah	0	0	0	0	0	0	0		0
Windows	4	0	0	0	0	0	0		0
Windows	0	0	0	0	0	0	0		0
Total						0	53.25 sqm		0

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	Painting to Iron work with Red Oxide primer thouroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, all operational, incidental and labour charges etc., complete for finished item of work. (Excluding GST)								
	Class 1	0	0	0	0	0	0		0
	Class 1 windows	0	0	0	0	0	0		0
	Class 2	0	0	0	0	0	0		0
	Class 2 door	0	0	0	0	0	0		0
	Class 3	0	0	0	0	0	0		0
	Class 3 door	0	0	0	0	0	0		0
	Class 4	0	0	0	0	0	0		0
	Class 4 windows	3	0	0	0	0	0		0
	Class 5	0	0	0	0	0	0		0
	Class 5	0	0	0	0	0	0		0
	Class 5 door	0	0	0	0	0	0		0
	Class 5 windows	0	0	0	0	0	0		0
	Kitchen door	0	0	0	0	0	0		0
	Kitchen front	0	0	0	0	0	0		0
	Ventilator	0	0	0	0	0	0		0
	Ventilator	0	0	0	0	0	0		0
	Total					0	43.62	sqm	0
	Painting to Iron work with Two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade thouroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, all operational, incidental and labour charges etc., complete for finished item of work. (Excluding GST)								
	Class 1	0	0	0	0	0	0		0
	class 1	0	0	0	0	0	0		0
	Class 2	0	0	0	0	0	0		0
	Class 2 DOOR	0	0	0	0	0	0		0
	class 4	0	0	0	0	0	0		0
	class 4 window	3	0	0	0	0	0		0
	class 5	0	0	0	0	0	0		0
	class 5	0	0	0	0	0	0		0
	Class 5	0	0	0	0	0	0		0
	Class 5 door	0	0	0	0	0	0		0
	Class3	0	0	0	0	0	0		0

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	Kitchen door	0	0	0	0	0	0		0
	Kitchen front	0	0	0	0	0	0		0
	Toilet entrance	0	0	0	0	0	0		0
	Ventilation	0	0	0	0	0	0		0
	Ventilation	0	0	0	0	0	0		0
	Total					0	79.99	sqm	0
	Painting to wood work with Two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade thouroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, all operational, incidental and labour charges etc., complete for finished item of work. (Excluding GST)								
	Class 2	3	0	0	0	0	0		0
	Class 3	0	0	0	0	0	0		0
	Total					0	87.26	sqm	0
	Grills and Gates (iron Doors, Windows, Gates, Grills etc.) with primary coat of Red oxide : - Painting to Iron work with two coats of ready mixed Synthetic Enamel paints in all shades Grade – I Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools/equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and excluding taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company Total 3 (three) coats:1. Primary Coat of Red oxide 2. Ready mixed Synthetic Enamel paint 2(two coats) Interior / Exterior Requirements for Enamel, Synthetic, Exterior (a) under coating (b) Finishing with a warranty period of 7 Years for entire painting & paint Coloring (Excluding GST)								
	Iron Doors and windows	0	0	0	0	120.38	0		0
	Total					120.38	90.01	Sqm	10,835
	Wall art coloring to exterior and interior walls to make the school environment favourable to children with arts like animals, birds, trees etc and with themes like environment/science/space etc using Acrylic Emulsion Colours of highest grade using standardised stencils (the art work / designs will be furnished by the authority / department). The surface area of work done will be taken as 40 % of the external wall treated and 50 % for internal walls (considering 60 % voids for external walls and 50 % voids for internal walls) Include colours, applying machinery or tools / equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and including all taxes and all or every other requirement in completion of the work shall be met by the SELECTED contractor with a warranty period of 7 Years for entire painting & Paint Coloring (Excluding GST)								
	Interior and exterior	0	0	0	0	0	0		0
	Total					0	85	Sqm	0

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(Berger Paints India) Doors & Windows with wood primer, enamel (in case of Wooden Doors) : -Specification:- Painting to wood work with two coats of ready mixed Synthetic Enamel paints in all shades Grade - I Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools/equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and excluding taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company with a warranty period of 7 Years for entire painting & Paint Coloring Total 3 (three) coats:1. Primary Coat 2. Ready mixed Synthetic Enamel paint 2(two coats) Interior / Exterior Requirements for Enamel, Synthetic, Exterior (a) under coating (b) Finishing (Including GST)									
Grills and Doors	0	0	0	0	32.17	0			0
Total					32.17	96.02	Sqm		3,089
(Berger Paints India) Grills and Gates (iron Doors, Windows, Gates, Grills etc.) with primary coat of Red oxide : - Specification :- Painting to Iron work with two coats of ready mixed Synthetic Enamel paints in all shades Grade – I Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools/equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and excluding taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company Total 3 (three) coats:1. Primary Coat of Red oxide 2. Ready mixed Synthetic Enamel paint 2(two coats) Interior / Exterior Requirements for Enamel, Synthetic, Exterior (a) under coating (b) Finishing with a warranty period of 7 Years for entire painting & paint Coloring (Including GST)									
Grills and gates	0	0	0	0	33.74	0			0
Total					33.74	90.01	Sqm		3,037
(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)									
Ceiling	0	0	0	0	241.16	0			0
Total					241.16	87.03	Sqm		20,988
(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 EXTERNAL WALLS. (make: Berger /Asian) Colour code :1. Sand Dollar Beige (Ivory) NN Beige -7P1586 2.Red wood Valley (NN Brown)-ID0543 (Including GST)									
Provision for GST @ 12.00%									

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	Provision for GST	1	0	0	0	1	0		0
	Total					1	15251.61	PERCENT AGE	15,252

Work Code : 201920035867 **Name of the Work** : Construction of Toilet with Running Water
Administrative Sanction No : Proc.No2823010263/MBNN/2020-2021 **Technical Sanctioned** : 104 No
Estimate Amount (in Rs.) : 2,36,387/- **Work MBook Amount** : 2,03,056/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work. [Ordinary Soil - Manual means - Upto 3m depth] (Excluding GST)								
	Long walls	2	3.75	0.6	0.55	2.48	0		0
	Partition wall	1	1.45	0.6	0.55	0.48	0		0
	Septic Tank	1	3.8	1.6	1.8	10.94	0		0
	Short walls	2	1.45	0.6	0.55	0.96	0		0
	Total					14.86	267.54	cum	3,976
	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)								
	Floor (Long walls)	1	1.55	1.55	0.15	0.36	0		0
	Floor (Room 2)	1	1.55	1.55	0.15	0.36	0		0
	Long walls	2	3.75	0.6	0.15	0.67	0		0
	Partition wall	1	1.45	0.6	0.15	0.13	0		0
	septic tank	1	3.8	1.6	0.15	0.91	0		0
	Short walls	2	1.45	0.6	0.15	0.26	0		0
	Total					2.69	2837.98	cum	7,634

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	Random Rubble stone masonry in CM (1:6) using hard variety of Granite stones from approved quarry including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for foundation and basement. (Excluding GST)								
	Long walls	2	3.75	0.45	1.1	3.71	0		0
	Partition wall	1	1.1	0.45	1.1	0.54	0		0
	Short walls	2	1.1	0.45	1.1	1.09	0		0
	Total					5.34	3170.29	cum	16,929
	Sand filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work.[Sand filling] (Excluding GST)								
	For septic tank	1	3.8	1.45	0.1	0.55	0		0
	Total					0.55	729.4	cum	401
	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)								
	Fill selected earth	1	3.75	1.45	1.1	5.98	0		0
	Total					5.98	378.5	cum	2,263
	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)								
	Door	2	0.7	0.23	1.8	-0.58	0		0
	Long walls	2	3.75	0.23	2.3	3.97	0		0
	Partition wall	1	1.45	0.23	2.3	0.77	0		0
	Septic tank (Long wall)	2	3.45	0.23	1.5	2.38	0		0
	Septic tank (Short wall)	3	0.95	0.23	1.5	0.98	0		0
	Short walls	2	1.45	0.23	2.3	1.53	0		0
	Ventilators	2	1.15	0.23	0.5	-0.26	0		0
	Total					8.79	5126.88	cum	45,065
	Masonry work in CM (1:8) prop with Flyash Cement solid blocks of size 290 x 225 x 140 mm for manufacturing of flyash solid blocks using flyash of 50 Kgs / Sqcm including cost and conveyance of all materials, labour charges, scaffolding and curing etc., complete with a compressive strength not less than 50 kg/sqm for walls for Superstructure walls. (Excluding GST)								
	2 nd step	1	3.15	0.14	0.23	0.1	0		0
	Bottom step	1	3.15	0.14	0.23	0.1	0		0

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	Total					0.2	5108.51	cum	1,022
	Plastering with CM 2 coats, 12mm thick, base coat in CM (1:5), 8mm thick and top coat in CM (1:3), 4mm thick with water proof Compound manufactured by reputed manufacturers as approved by engineering incharge at 1kg per 1 bag of cement including sponze finishing and cost and conveyance of all materials and all labour charges etc., complete for external walls [Flyash Bricks]. (Excluding GST)								
	steps	1	3.15	0	0.8	2.52	0		0
	Total					2.52	304.92	sqm	768
	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)								
	Door	2	0.7	0	1.8	-2.52	0		0
	Outside Alround	1	11.35	0	3.2	36.32	0		0
	Ventilator	2	1.15	0	1.15	-2.64	0		0
	Total					31.16	313.31	sqm	9,763
	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)								
	Internal Plastering ROOM 1	1	5.55	0	2.3	12.76	0		0
	Room 2	1	5.15	0	2.25	11.59	0		0
	Septi tank INTERNAL	1	3.4	0	1.4	4.76	0		0
	Septic tank Internal	1	1.18	0	1.4	1.65	0		0
	Total					30.76	108.86	sqm	3,349
	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)								
	Flooring (North side toilet)	1	1.45	1.47	0	2.13	0		0
	Flooring (south side toilet)	1	1.45	1.5	0	2.17	0		0
	Rise	2	0.09	0.67	0	0.12	0		0
	Thread	2	0.15	0.67	0	0.2	0		0
	Total					4.62	716.81	sqm	3,312

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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)								
	Room 1	1	5.1	0	1.75	8.92	0		0
	Room 2	1	5	0	1.75	8.75	0		0
	Total					17.67	559.44	sqm	9,885
	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)								
	VENTILATOR	27	0	0	0	27	0		0
	Total					27	70.08	Kgs	1,892
	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)								
	New toilet door	2	0.64	0	1.77	2.27	0		0
	Total					2.27	3030	sqm	6,878
	Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded. (Excluding GST)								
	12mm HYSD bars	50	0	0	0	50	0		0
	8mm HYSD bars	55	0	0	0	55	0		0
	Total					105	48.41	Kgs	5,083
	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 Urinals	1	10	0	0	10	0		0
	Total					10	89.1	rmt	891
	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)								

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	Sanitary Connections	1	10	0	0	10	0		0
	Total					10	169.13	rmt	1,691
	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[28.60 mm dia CPVC SDR 13.50]. (Excluding GST)								
	CPVC Pipes for Hand Wash	1	5	0	0	5	0		0
	CPVC Pipes for Toilets	1	82	0	0	82	0		0
	Total					87	123	rmt	10,701
	Supplying and fixing of European Water Closet of 1st quality confirming to IS: 2556-Part-2-1973 of Hindustan / Neycer or Parryware make white glazed with S trap lying and fixing best Indian make plastic seal and lid for European water closets with rubb, 10 Litres capacity Single Flush white PVC low level flushing system parryware, slimline with internal components and short bend including cost and conveyance of all materials to site, all labour charges, sales and other taxes on all materials etc., complete for finished item of work for all floors. (Excluding GST)								
	EWC for Toilet	1	0	0	0	1	0		0
	Total					1	2469	Nos	2,469
	Supply and fixing of white glazed flat back bowl urinals of size 590 x 375 x 390 mm with internal rim flushing mm fixed with screws complete inidan make (Parry/Neycer/Hindware/CERA) conforming to IS 2556 -1995 as approved be Engineer - in - charge 12.7 mm PVC connection with brass plumber union nuts CM Coated. including 12.70 mm push cock 1st qulaity of approved make including supply & fixing 31.75 m dia PVC flexible waser pipe of 914.40 mm lenght of 1st including cost and conveyance of all materials to site labour charges etc., complete for finished item of work for all floors (Excluding GST)								
	Flat back bowl urinals	2	0	0	0	2	0		0
	Total					2	2647	Nos	5,294
	Supplying and fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 of size 550mm x 400mm with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Esso or equivalent complete with standard CI brackets including wooden block ,1 No.12.70mm PVC connection with brass union nuts CP coated , 1 No.12.70mm NP bib tap 300 gms Seiko or equivalent including cost and conveyance of all materials to site, labour charges etc. complete for finished item of work (Excluding GST)								
	ST001	4	0	0	0	4	0		0
	Total					4	1894	Nos	7,576
	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors for 400 Grams (Excluding GST)								

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	NP bib taps of size 12.70mm for Toilet	10	0	0	0	10	0		0
	NP bib taps of size 12.70mm for Washing Cistern	10	0	0	0	10	0		0
	Total					20	351.76	Nos	7,035
	Supply and fixing of 25mm dia 2.2mm thick P.V.C. pipe (ISI Mark) concealed in Roof Slabs with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	In Roof Slab	4	3	0	0	12	0		0
	Total					12	66.86	mtr	802
	Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	In Walls	1	10	0	0	10	0		0
	Total					10	71.44	mtr	714
	Wiring with 2 runs of 14/0.3mm (1.0 Sq.mm) Fire Retardant (FR) P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A switch, Ceiling rose and 3mm tick hylam sheet covering to switch control box including all labour charges etc., complete for light, bell, fan and exhaust fan points in Non-Residential buildings. (Excluding GST)								
	wire	1	0	0	0	1	0		0
	Total					1	417.83	Nos	418
	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)								
	Main Board to Switch Board	1	18	0	0	18	0		0
	Total					18	64.93	mtr	1,169
	Supply and run of 1 of 14/0.3mm (1.0 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for earth continuity including all labour charges etc., complete. (Excluding GST)								
	DB TO POINT	1	25	0	0	25	0		0
	Total					25	18.62	mtr	466
	Supply and Fixing of batten holder/angle holder on existing block with 7.0W LED bulb and all labour charges etc., complete. In lieu of ceiling rose. (Excluding GST)								
	Holders with Bulb	4	0	0	0	4	0		0
	Total					4	209.75	Nos	839

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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 125mm thick] (Excluding GST)							
Septic Tank	1	3.5	1.4	0.13	0.61	0		0
Septic tank (bottom slab)	1	3.5	1.4	0.15	0.73	0		0
Slab	1	4.4	2.3	0.13	1.26	0		0
Total					2.6	6890.13	cum	17,914
	Labour charges only for fixing European Water Closet with P or S trap as per standard practice (BMW- D.15) (Excluding GST)							
For Toilet	1	0	0	0	1	0		0
Total					1	264	Nos	264
	Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete (BMW- D.36) (Excluding GST)							
Urinal bowl	2	0	0	0	2	0		0
Total					2	127	Nos	254
	Labour charges only for fixing Indian make Flat Back Wash Hand Basin with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting Pillar Taps complete with standard CI brackets including wooden block (BMW-D.28) (Excluding GST)							
Hand wash basin	4	0	0	0	4	0		0
Total					4	319	Nos	1,276
	(CERA Sanitaryware Ltd) Supplying white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with internal flushing rim fixed with screws complete Indian make conforming to IS:2556 – 1995 including cost and conveyance of all materials and all labour charges like loading , unloading & stacking etc., to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)							
TOILET ROOM 1	2	0	0	0	2	0		0
Total					2	712.72	Nos	1,425
	(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)							
Toilet 2	1	0	0	0	1	0		0
Total					1	2277.07	Nos	2,277

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	Supply and Fixing of Door with Single leaf shutter, Door Size 0.9x2.13 mtrs with Medium teak wood Frame of sections size 75mm x 100mm with Shutter with MDF board both side laminated of 35mm thick including cost of fixtures such as Aluminium Tower Bolts 250mm long 1 Nos, Aluminium Handles 150mm long 2 Nos, 300mm long Aluminium Aldrops 1No, 125 mm long M.S.Powder Coated butt hinges 3Nos, 300 mm long Aluminium Flat latch 1No, Door stoppers 1 Nos, MS Hold fasts 6Nos 300mm long including cost and conveyance of all materials to site all Labour charges such as Fixing of Door Frame and shutter Fixing in position , with Hardware fixtures etc., complete for finsihed item of work. [Make Jyothi / Classic / Oxford] (Excluding GST)								
	Door	0	0	0	0	0	0		0
	Total					0	9131.9	Nos	0
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	21359.32	PERCENT AGE	21,359

Work Code	: 201920036064	Name of the Work	: Major and Minor Repairs
Administrative Sanction No	: Proc.No2823010263/MBNN/2020 -2021	Technical Sanctioned	: 104 No
Estimate Amount (in Rs.)	: 9,03,313/-	Work MBook Amount	: 7,53,437/- (in Rs.)

Date of Measure ment	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads & contractor profit etc., complete [Reinforced cement concrete] (Excluding GST)								
	Class 1 & 2	0	0	0	0	0	0		0
	Kitchen	0	0	0	0	0	0		0
	Kitchen front varandah	0	0	0	0	0	0		0
	Varandah 1 & 2	0	0	3.5	0	0	0		0
	Varandah for class room 2	0	0	0	0	0	0		0

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	Total					0	2271.9	cum	0
	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)								
	Another class room front	1	3	1.5	1.3	5.85	0		0
	TO Place new door	1	0.95	0.27	2.1	0.54	0		0
	Total					6.39	262.08	cum	1,675
	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 [Stone masonry in cement mortar] (Excluding GST)								
	In new toilet block	1	7	3	0.3	6.3	0		0
	Total					6.3	390	cum	2,457
	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)								
	class room 1 and 2	2	6	4.8	0.1	5.76	0		0
	kitchen	1	3.35	3.45	0.1	1.16	0		0
	kitchen front varandah	1	3.7	2.15	0.1	0.8	0		0
	varandah for class room 1	1	6	3.5	0.1	2.1	0		0
	varandah for class room 2	1	6	3.24	0.1	1.94	0		0
	Total					11.76	1024.8	cum	12,052
	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)								
	Class 1 to 5	1	3.23	0	1.5	4.84	0		0
	Class 1 to 5	8	2.2	0	1.3	22.88	0		0
	Class 1 to 5	1	2.55	0	1.4	3.57	0		0
	Class 1 to 5	2	2.85	0	1.45	8.27	0		0
	Class 1 to 5	4	2.1	0	1.4	11.76	0		0
	Total					51.32	5.5	Sqm	282
	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)								

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	Old toilets	1	2.55	3.05	0.2	1.56	0		0
	Total					1.56	152.88	cum	238
	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)								
	class 1 front main	1	6.6	2.6	0.15	0	0		0
	Class 2	1	6	4.8	0.15	0	0		0
	class 3	1	6	4.8	0.15	0	0		0
	door step	0	0	0	0	0	0		0
	door step	1	4.84	1.05	0.15	0	0		0
	Kitchen	1	3.35	3.45	0.15	0	0		0
	Kitchen door	1	0.56	1	0.15	0	0		0
	Kitchen front varandah	1	3.7	2.15	0.15	0	0		0
	Long walls for mstage	2	3.2	0.15	0.07	0.07	0		0
	Short walls stage	2	2.8	0.15	0.07	0.06	0		0
	Varandah	1	6	3.24	0.13	0	0		0
	varandah	0	0	0	0	0	0		0
	Total					0.13	2709.49	cum	352
	Plain Cement Concrete corresponding to M15 grade as per IS 456 equivalent to (1:2:4) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 20mm size Hard Blasted Granite (IS383, 1970) Machine Crushed graded metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing, laying, curing concrete, etc., complete for finished item of work (Excluding GST)								
	Another class room	1	7	3.9	0.1	2.73	0		0
	class and compound wall	1	15.2	0.9	0.1	1.37	0		0
	Class and compound wall	1	10	1	0.1	1	0		0
	class and compound wall in b w	1	0	0	0	0	0		0
	Class beside	1	2.3	0.38	0.1	0.09	0		0
	Class beside	1	4.5	0.45	0.1	0.2	0		0
	Class beside	1	3.9	2.25	0.1	0.88	0		0
	Class beside on east side	1	12.6	0.4	0.1	0.5	0		0
	Compound and class bw	1	0	0	0	0	0		0

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	In between toilets	1	3.2	0.85	0.1	0.27	0		0
	In between toilets	1	3.2	0.35	0.1	0.11	0		0
	Kitchen back side	1	4	0.85	0.1	0.34	0		0
	Kitchen Beside	1	5.8	1	0.1	0.58	0		0
	Old toilets	1	0	0	0	0	0		0
	old toilets	1	4.25	2.28	0.1	0.97	0		0
	Septic tank	1	0	0	0	0	0		0
	septic tank	1	1.1	1.4	0.1	0.15	0		0
	Toilet front old	1	3.1	3.2	0.13	1.29	0		0
	Total					10.48	4183.37	cum	43,842
	Plastering with CM(1:4) Prop: 12mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work Over Brick Masonry. (APSS 901,906) (Excluding GST)								
	Around trees	2	1.7	0	0.1	0.34	0		0
	Around trees	1	1.6	0	0.1	0.16	0		0
	Around trees	1	2.6	0	0.15	0.39	0		0
	Class 1 to 5 Boards	1	3.23	0	1.5	4.84	0		0
	Class 1 to 5 boards	8	2.2	0	1.3	22.88	0		0
	Class 1 to 5 boards	1	2.55	0	1.4	3.57	0		0
	Class 1 to 5 boards	2	2.85	0	1.45	8.27	0		0
	Class 1 to 5 boards	4	2.1	0	1.4	11.76	0		0
	Class 5 P Wall	1	4.75	0	1.35	6.41	0		0
	East side old oilets	1	2.45	0	1.3	3.19	0		0
	Gate wall placing	1	1.8	0	0.25	0.45	0		0
	Kitchen front east side	1	1.2	0	1	1.2	0		0
	ladies toilet	1	1	0	3.5	3.5	0		0
	Ladiestoileet	1	0.35	0	1.5	0.52	0		0
	new toilet block	1	0.23	0	1.3	0.3	0		0
	Newtoilet block	1	0.85	0	3.4	2.89	0		0
	Urinal	1	1.35	0	1.2	1.62	0		0
	Total					72.29	232.76	sqm	16,826
	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure. (Excluding GST)								

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	Around trees	1	1.7	0.1	0.1	0.02	0		0
	Around trees	1	1.6	0.1	0.1	0.02	0		0
	Around trees	1	2.6	0.1	0.13	0.03	0		0
	Class 5 P Wall	1	4.7	0.23	0.58	0.63	0		0
	East side toilet old P Wall	1	2.45	0.1	0.6	0.15	0		0
	For urinal	1	1.35	0.1	1	0.14	0		0
	Kitchen front P Wall East side	1	1.2	0.1	0.45	0.05	0		0
	ladies toilet	1	0.35	0.1	1.5	0.05	0		0
	Ladies toilets	1	1	0.1	1.7	0.17	0		0
	new toilet block	1	0.85	0.1	1.8	0.15	0		0
	new toilet block	1	0.23	0.1	1.3	0.03	0		0
	Total					1.44	5126.88	cum	7,383
	Brick Masonry work in CM (1:6) prop with Flyash Cement of size 290x200x140 mm with compressive of 50 Kgs/Sqcm from approved source including cost and conveyance of all materials, labour charges, scaffolding and curing etc., for Superstructure walls. (Excluding GST)								
	Long walls for stage	2	2.5	0.14	0.75	0.53	0		0
	New step	1	0.9	0.14	0.22	0.03	0		0
	P Wall class front	1	5.4	0.14	0.34	0.26	0		0
	P Wall Kitchen top	2	3.9	0.14	0.15	0.16	0		0
	P Wall kitchen top S w	1	3.5	0.14	0.15	0.07	0		0
	Short walls for stage	2	3.2	0.14	0.75	0.67	0		0
	Stage steps	3	1.08	0.14	0.15	0.07	0		0
	West side kitchen	1	2.3	0.14	1.25	0.4	0		0
	West side old toilets	1	2.45	0.14	0.85	0.29	0		0
	Total					2.48	4984.52	cum	12,362
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 150mm thick] (Excluding GST)								
	FOR STAGE	1	2.8	3.2	0.15	1.34	0		0
	Total					1.34	6446.13	cum	8,638

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	Plastering with CM 2 coats, 12mm thick, base coat in CM (1:5), 8mm thick and top coat in CM (1:3), 4mm thick with water proof Compound manufactured by reputed manufacturers as approved by engineering incharge at 1kg per 1 bag of cement including sponze finishing and cost and conveyance of all materials and all labour charges etc., complete for external walls [Flyash Bricks]. (Excluding GST)								
	Kitchen front west side	1	2.3	0	2.5	5.75	0		0
	Kitchen top	2	3.9	0	0.45	3.51	0		0
	Kitchen top	1	3.5	0	0.45	1.57	0		0
	Long walls for stage	2	3.2	0	0.55	3.52	0		0
	New step	1	0.93	0	0.66	0.61	0		0
	P Wall	1	5.4	0	0.83	4.48	0		0
	Short walls for stage	2	2.8	0	0.55	3.08	0		0
	Stage steps plastering	1	1.32	0	1.08	1.43	0		0
	West side	1	2.45	0	1.85	4.53	0		0
	Total					28.48	304.92	sqm	8,684
	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)								
	FOR STAGE	1	2.8	3.2	0	8.96	0		0
	Total					8.96	335.48	sqm	3,006
	Supply and Fixing of Door with Double leaf shutter, Door Size 1.05x2.13 mtrs with Medium teak wood Frame of sections size 75mm x 100mm with Shutter with MDF board both side laminated of 35mm thick including cost of fixtures such as Aluminium Tower Bolts 250mm long 3 Nos, Aluminium Handles 150mm long 2 Nos, 300mm long Aluminium Aldrops 1No, 125 mm long M.S.Powder Coated butt hinges 6Nos, 300 mm long Aluminium Flat latch 1No, Door stoppers 2 Nos, MS Hold fasts 6Nos 300mm long including cost and conveyance of all materials to site all Labour charges such as Fixing of Door Frame and shutter Fixing in position , with Hardware fixtures etc., complete for finsihed item of work. [Make Jyothi / Classic / Oxford] (Excluding GST)								
	Kitchen class 2 & class 3	0	0	0	0	0	0		0
	Total					0	10937.07	Nos	0
	Supply and Fixing of Door with Single leaf shutter, Door Size 0.9x2.13 mtrs with Medium teak wood Frame of sections size 75mm x 100mm with Shutter with MDF board both side laminated of 35mm thick including cost of fixtures such as Aluminium Tower Bolts 250mm long 1 Nos, Aluminium Handles 150mm long 2 Nos, 300mm long Aluminium Aldrops 1No, 125 mm long M.S.Powder Coated butt hinges 3Nos, 300 mm long Aluminium Flat latch 1No, Door stoppers 1 Nos, MS Hold fasts 6Nos 300mm long including cost and conveyance of all materials to site all Labour charges such as Fixing of Door Frame and shutter Fixing in position , with Hardware fixtures etc., complete for finsihed item of work. [Make Jyothi / Classic / Oxford] (Excluding GST)								
	Ladies toilet	0	0	0	0	0	0		0

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	Old toilets	0	0	0	0	0	0		0
	Total					0	9131.9	Nos	0
	Supply and Fixing of UPVC Door Size 1.22x2.13 mtrs including cost and conveyance of all materials to site all Labour charges such as Fixing of Door Frame and shutter Fixing in position , with fixtures etc., complete for finsihed item of work. (Excluding GST)								
	for kitchen class room2 and class 3	3	1.05	0	1.9	5.99	0		0
	Total					5.99	8217	sqm	49,220
	Supplying, fitting and placing MS grilled door, windows, gate including fabrication charges and all incidental charges etc, cost and conveyance of all materials and all labour charges etc., complete. (make of materials - TATA, Jindal, Sail, Visakha) (Excluding GST)								
	grills	810	0	0	0	810	0		0
	new door for old toilets and ladiestoilet	45	0	0	0	45	0		0
	Total					855	70.08	Kgs	59,918
	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)								
	ladies toilets	2	0.65	0	1.9	2.47	0		0
	old toilets	3	0.6	0	2	3.6	0		0
	Total					6.07	3030	sqm	18,392
	Providing skirting to internal walls to 15 cm height/ risers of steps with vitrified tiles length equal to flooring stones set over base coat of CM (1:5) 12 mm thick with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointed with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., complete for finished item of work. (Excluding GST)								
	beside kitchen	1	8.8	0	0.1	0.88	0		0
	class 1 front main	1	9.1	0	0.1	0.91	0		0
	Inside class 2	2	19.81	0	0.1	3.96	0		0
	inside kitchen	1	13.6	0	0.1	1.36	0		0
	Inside varandah	2	16.8	0	0.1	3.36	0		0
	kitchen front	1	8.7	0	0.1	0.87	0		0
	Total					11.34	756.59	sqm	8,580

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	Flooring with high polished granite 16 to 18 mm thick slabs other than black set over base coat of cement mortar (1:8), 20 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like cement, sand water and tilesetc., complete, including seigniorage charges, labour charges for dressing of tilesetc., complete for finished item of work, but excluding the cost of conveyance of all materials (Excluding GST)							
Class 1 front main	1	6.6	2.6	0	17.16	0		0
Class 2 & 3	2	6	4.85	0	58.2	0		0
Ded	1	1.16	0.95	0	-1.1	0		0
Deduction	1	1.08	1.28	0	-1.38	0		0
Kitchen	1	3.35	3.45	0	11.56	0		0
Kitchen front	1	3.6	2.1	0	7.56	0		0
Kitchen varandah beside floor	1	4.84	1	0	4.84	0		0
Varandah class 2	1	6	3.24	0	19.44	0		0
Varandah class 3	1	6	3.5	0	21	0		0
Total					137.28	1997.38	sqm	2,74,200
	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)							
old 2	1	1.72	0.3	0	0.52	0		0
Door portion southside	0	0	1.8	0	0	0		0
door portion north side	0	0	1.8	0	0	0		0
Ladies toilet old 1	1	0.83	1.72	0	1.44	0		0
old 3	1	0.27	0.65	0	0.18	0		0
Total					2.14	716.81	sqm	1,534
	Gravel Filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work. (Excluding GST)							
For STAGE	1	2.85	2.45	0.75	5.24	0		0
Total					5.24	378.5	cum	1,983

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	Sand filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work.[Sand filling] (Excluding GST)								
	in front class main	1	8	8.5	0.15	10.2	0		0
	Total					10.2	729.4	cum	7,440
	Stone Dust filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work.[Stone Dust filling] (Excluding GST)								
	to lay paver blocks	1	12	6	0.1	7.2	0		0
	Total					7.2	855	cum	6,156
	Supply & fixing pre-painted galvalium trepezoidal 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)								
	Another class frontT	1	3.1	2.45	0	7.6	0		0
	Class front	1	6.85	3.05	0	20.89	0		0
	for old toilet	1	5.3	2.5	0	13.25	0		0
	From class 1 to Kitchen	1	4.9	1	0	4.9	0		0
	Infront class	1	6.5	3	0	19.5	0		0
	Kitchen front	1	2.15	4.15	0	8.92	0		0
	Kitchen to class	0	0	0	0	0	0		0
	Kitchen top	1	4.85	3.97	0	19.25	0		0
	statue	1	2.5	2.4	0	6	0		0
	Top of stage	0	0	0	0	0	0		0
	Total					100.31	466.91	sqm	46,836
	Supply and Fixing MS Purlins 50mm dia including Labour Charges for fixing complete including cost and conveyance of all materials to site, sales and other taxes, all labour charges etc., complete for finished item of work (Excluding GST)								
	Circular	2	2.1	0	0	4.2	0		0
	Circular	3	3	0	0	9	0		0
	Circular front toilets	2	2.5	0	0	5	0		0
	Circular infront toilets	2	2.6	0	0	5.2	0		0

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	Class front	3	3.7	0	0	11.1	0		0
	Class front	3	2.9	0	0	8.7	0		0
	Class front	3	2.7	0	0	8.1	0		0
	for old toilets	5	2.6	0	0	13	0		0
	Infront class	3	6.7	0	0	20.1	0		0
	Infront class	3	2.8	0	0	8.4	0		0
	Infront class	3	2.9	0	0	8.7	0		0
	kitchen beside	1.15	3	0	0	3.45	0		0
	Kitchen front	4	2.15	0	0	8.6	0		0
	Kitchen top	2.15	1	0	0	2.15	0		0
	top of stage & Statue	0	0	0	0	0	0		0
	Top of stage and Statue	2	2.5	0	0	5	0		0
	Total					120.7	428.4	rmt	51,708
	Repairs to existing old furniture other than dual desks (Excluding GST)								
	Reapirs to furniture	0	0	0	0	10000	0		0
	Total					10000	1	LS	10,000
	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 old toilets	1	3	0	0	3	0		0
	Hand wash unit	1	3.45	0	0	3.45	0		0
	Hand wash unit	1	5.7	0	0	5.7	0		0
	Kitchen to outside	1	3.15	0	0	3.15	0		0
	Total					15.3	89.1	rmt	1,363
	Supply of precast concrete blocks for paving of M-30 grade and thickness not less than 50 mm for Non-traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturers specification, including cost and conveyance of all materials like cement, sand, water, flooring stones etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as dressing of flooring stones to the required sizes, mixing of cement mortar, laying, jointing, curing, lift charges etc., complete for finished item of work. (Excluding GST)								
	Deduction	1	0.84	1.08	0	-0.91	0		0
	In front class	1	2.45	1.8	0	4.41	0		0
	In front stage	1	3.83	5.33	0	20.41	0		0

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	In front statue	1	2	1.96	0	3.92	0		0
	Total					27.83	631.86	Sqmt	17,585
	Differential Cost of Cement (Including GST)								
	Differential Cost of Steel (Including GST)								
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	80725.38	PERCENT AGE	80,725

**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**