

మన బడి నాడు-నేడు

Measurement Book No : 28236002105001

District Name	:	CHITTOOR
Mandal Name	:	PEDDAPANJANI
Village Name	:	NAGIREDDIPALLE
Name of the Executing Agency	:	Panchayat Raj
Name of School	:	MPUPS NAGIREDDIPALLI
U-Dise Code	:	28236002105
Technical Sanctioned Amount	:	2366656
Admin Sanctioned Amount	:	2366656
Total Expenditure	:	2196714

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Abstract

U-Dise Code : 28236002105
Technical Sanctioned Amount : 2366656
Admin Sanctioned Amount : 2366656
Total Expenditure : 2196714
MBook Number : 28236002105001

Work Code	Work type name	Estimated Cost	Value of work done
202021000651	English Labs	40000	41439
202021001971	Green Chalk Boards	61856	61794
202021001978	Furniture for Students and Staff	594270	420917
202021002319	Providing Electrification with Fans and Tube Lights	187120	128361
202021002333	Construction of Toilet with Running Water	562272	491606
202021002474	Major and Minor Repairs	286272	651189
202021002476	Drinking Water Supply	351799	238831
202021002558	Painting to School	283067	162576
	Total	2366656	2196714

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 : 202021000651 **Name of the Work** : English Labs
Administrative Sanction No : Proc.No2823010191/MBNN/2020-2021 **Technical Sanctioned** : /20-21 No
Estimate Amount (in Rs.) : 40,000/- **Work MBook Amount** : 41,439/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supply of 55 inches/65 inches LCD TV or LCD projector with Screen including installation (Detailed specifications will be given later in a circular) (Excluding GST)								
	LCD TV	0	0	0	0	36999	0		0
	Total					36999	1	LS	36,999

Work Code : 202021001971 **Name of the Work** : Green Chalk Boards
Administrative Sanction No : Proc.No2823010191/MBNN/2020-2021 **Technical Sanctioned** : /20-21 No
Estimate Amount (in Rs.) : 61,856/- **Work MBook Amount** : 61,794/- (in Rs.)

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

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	(Prince Board India) Green Chalk Boards - Supply and fixing of ceramic steel / Porcelain enamel Steel Green Chalk Boards of size 2400mmx 1200mm with vitreous enamel steel sheet thickness 0.3mm to 0.40mm with Ceramic steel (Belgium make)/ Porcelain enamel steel 0.3mm to 0.4mm (Japan make) engraving on surface (having vitreous enamelled coating both sides) 0.095mm thick top surface coating and back surface coating thickness of 0.03mm, supported with 9mm thick MDF Board (make : Greenlam / Merino / Century / Kitply / Greenply / ASIS of ISI standards and water proofing) for back support and it backing with 0.25mm thick galvanized iron sheet (make : TATA / JSW / Sail / Vizag Steel), fixed with anodized aluminium frame 20mm wide and 1.2mm thick and board shall be given additional support on all four sides with Aluminium J-Clamps (8 Nos.).Cost includes production cost for complete finished item of work, conveyance of all materials to work site, all labour charges like loading, unloading, Fixing, GST and all other taxes, charges and Rates etc., as applicable from time to time. The item shall carry a Warranty period of 7 (Seven) years from the date of Supply (Including GST)								
	Green Chalk Boards	6	0	0	0	6	0		0
	Total					6	10299	Nos	61,794

Work Code : 202021001978 **Name of the Work** : Furniture for Students and Staff
Administrative Sanction No : Proc.No2823010191/MBNN/2020-2021 **Technical Sanctioned** : /20-21 No
Estimate Amount (in Rs.) : 5,94,270/- **Work MBook Amount** : 4,20,917/- (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				
	Almairahs (Steel) for HM Room, Staff room, Library room, Laboratory room, M.S sheet conforming to commercial quality CR- 1,Grade340 of IS 513:2008 (revised 2013)(Fifth Revision)Amdt. no.1 Sheet thickness of door in 0.8 mm (minimum) (Excluding GST)								
	Almairahs	0	0	0	0	0	0		0
	Total					0	7850	Nos	0
	Teacher Table in classroom, Table Top Material is 18 mm thick prelaminated Particle Board (Not as per IS8126) Thickness (±2 mm). One side double storage is provided and pedestals (under structure) Mild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm (Excluding GST)								
	Teacher Table	0	0	0	0	0	0		0
	Total					0	3304	Nos	0

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	Teacher Chair in classroom, Library room, Laboratory room Seat and Backrest is Made of Polythene cane. (Excluding GST)								
	Teacher Chair	0	0	0	0	0	0		0
	Total					0	1050	Nos	0
	<p>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)</p>								
	desk	0	0	0	0	0	0		0
	Total					0	6768.38	Nos	0

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

desk	25	0	0	0	25	0		0
Total					25	6821.78	Nos	1,70,545

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

desk	27	0	0	0	27	0		0
Total					27	6895	Nos	1,86,165
Provision for GST @ 12.00%								
Provision for GST	1	0	0	0	1	0		0
Total					1	64207.71	PERCENT AGE	64,208

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Work Code : 202021002319 **Name of the Work** : Providing Electrification with Fans and Tube Lights
Administrative Sanction No : Proc.No2823010191/MBNN/2020-2021 **Technical Sanctioned** : /20-21 No
Estimate Amount (in Rs.) : 1,87,120/- **Work MBook Amount** : 1,28,361/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	for new toilets	1	8	0	0	8	0		0
	for water room	1	3	0	0	3	0		0
	HM room & HM Room beside room	1	9	0	0	9	0		0
	room 1	1	16	0	0	16	0		0
	room 3	1	8	0	0	8	0		0
	room 3 varandah room	1	3	0	0	3	0		0
	room2	1	8	0	0	8	0		0
	Total					55	71.44	mtr	3,929
	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 mian to old toilets	1	18	0	0	18	0		0
	from main to kitchen shed	1	26	0	0	26	0		0
	from mian to computer room	1	6	0	0	6	0		0
	from mian to HM room	1	17	0	0	17	0		0
	from mian to new toilets	1	39	0	0	39	0		0
	from mian to room1	1	23	0	0	23	0		0
	from mian to room2	1	14	0	0	14	0		0

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	Total					143	64.93	mtr	9,285
	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 main to computer room	1	6	0	0	6	0		0
	from main to HM Room	1	17	0	0	17	0		0
	from main to kitchen shed	1	26	0	0	26	0		0
	from main to room 1 switch boards	1	23	0	0	23	0		0
	from main to room2	1	14	0	0	14	0		0
	from mian to new toilets	1	39	0	0	39	0		0
	from mian to old toilets	1	18	0	0	18	0		0
	Total					143	32.52	rmt	4,650
	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)								
	for fan points of room1, room2, room 3 , room 3 varandah, HM room & HM room beside room	12	0	0	0	12	0		0
	for light points of room1, room2, room3, room3 varandah, room1 corridor, water room, HM room, Hm room beside	38	0	0	0	38	0		0
	for new toilet lights	2	0	0	0	2	0		0
	Total					52	611.17	Nos	31,781
	Supply and fixing of 6A/10A modular 3 pin socket with 6A modular switch with 3 moular metal box with cover frame on a common board with earth continuity including wire leads, earth connections along with all labour charges etc., complete.switches (Excluding GST)								
	for room1, room2,room 3, room3 varandah, HM room & HM room beside room	16	0	0	0	16	0		0
	Total					16	284.35	Nos	4,550

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	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)								
	earth connections	0	0	0	0	0	0		0
	Total					0	108.34	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 Lights	30	0	0	0	30	0		0
	Total					30	867.5	Nos	26,025
	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	10	0	0	0	10	0		0
	Total					10	209.75	Nos	2,098
	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)								
	50 W Street Lights	3	0	0	0	3	0		0
	Total					3	4500	Nos	13,500
	Supply and fixing of 1 Module Modular type Electronic step type Fan Regulator. in the existing switch board. (Excluding GST)								
	for room1, room2, room3 & room3 varandah, Hm room beside room & HM room	20	0	0	0	20	0		0
	Total					20	365	Nos	7,300
	Labour charges for fixing of ceiling fan and regulator including transportation and giving connections with twin core wire etc., complete. (Excluding GST)								
	for ceiling fans fixing in the rooms	12	0	0	0	12	0		0
	Total					12	138.88	Nos	1,667
	Supply and fixing SPN Distribution board with IP-42 protection (Metal Door) suitable for single phase ELCB / RCCB / DP Isolator as incomer and 10kA SP MCBs as outing going including internal connection and labour charges for surface/ flush mounting etc., complete. (Excluding GST)								
	SPN Distibution Board	1	0	0	0	1	0		0
	Total					1	4107.07	Nos	4,107

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	Providing independent earthing 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)								
	Earthing Pipe	1	0	0	0	1	0		0
	Total					1	4431.61	Nos	4,432
	(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)								
	ceiling fans	1	0	0	0	1	0		0
	Total					1	1440	Nos	1,440
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	13598.73	PERCENT AGE	13,599

Work Code : 202021002333

Name of the Work : Construction of Toilet with Running Water

Administrative Sanction No : Proc.No2823010191/MBNN/2020-2021

Technical Sanctioned : /20-21 No

Estimate Amount (in Rs.) : 5,62,272/-

Work MBook Amount : 4,91,606/- (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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	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 Front Side	6	1.5	1.5	1.5	20.25	0		0
	deduct columns for RR	2	0.23	0.6	0.6	-0.17	0		0
	for RR masnory	3	5.16	0.6	0.6	5.57	0		0
	for RRMasnory	3	2.78	0.6	0.6	3	0		0
	for septic tank	1	4.05	2.45	1.5	14.88	0		0
	Total					43.53	152.88	cum	6,655
	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)								
	Columns Front Side	6	1.5	1.5	0.15	2.02	0		0
	Total					2.02	3258.1	cum	6,581
	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)								
	all around toilet	2	5.9	0.6	0.1	0.71	0		0
	all around toilet	2	5	0.6	0.1	0.6	0		0
	deduct columns for RR	2	0.23	0.6	0.15	-0.04	0		0
	deduct man holes	4	0.6	0.6	0.1	-0.14	0		0
	deduct owc	0	0	0	0	0	0		0
	for flooring	4	1.5	1.2	0.1	0.72	0		0
	for flooring in toilet	2	2.58	1.5	0.1	0.77	0		0
	for internal plinth beam	2	1.05	0.38	0.1	0.08	0		0
	for RR Masnory	3	5.16	0.6	0.15	1.39	0		0
	for RR Masnory	3	2.78	0.6	0.15	0.75	0		0
	for Septic Tank	1	4.05	2.45	0.15	1.49	0		0
	Total					6.33	3129.61	cum	19,810

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	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)								
	Deduct PCC 1:4:8 Qty (as per PCC 1:4:8 Task)	0.86	0	0	0	-2.57	0		0
	Deduct VRCC Column Qty upto Natural Ground Level	0.49	0	0	0	-0.19	0		0
	Deduct VRCC Footing Qty	1.73	0	0	0	-2.59	0		0
	Earth work Excavated Quantity (as per Earth Work Task)	45.39	0	0	0	20.25	0		0
	Total					14.9	29.54	cum	440
	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)								
	DEDUCT COLUMNS	2	0.23	0.45	0.45	-0.09	0		0
	DEDUCT JUNCTION	1	0.45	0.45	0.45	-0.09	0		0
	Room alround (below GL & above GL)	3	5.42	0.45	0.45	3.29	0		0
	SHORT WALLS	3	3.23	0.45	0.45	1.96	0		0
	Total					5.07	3516.95	cum	17,831
	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)								
	baffel walls	2	1.65	0.1	1.2	0.4	0		0
	Septic tank Alround	2	3.8	0.23	1.5	2.62	0		0
	septic tank short walls	2	1.65	0.23	1.5	1.14	0		0
	Total					4.16	4809.13	cum	20,006
	Gravel Filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work. (Excluding GST)								
	Inside Basement	2	2.58	1.5	0.13	1.01	0		0
	INSIDE BASEMENT	4	1.23	1.5	0.45	3.32	0		0
	INSIDE BASEMENT	4	1.5	1.2	0.13	0.94	0		0
	Total					5.27	378.5	cum	1,995

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VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[FOOTINGS] (Excluding GST)									
Column Footing F1	6	1.2	1.2	0.3	2.59	0			0
Total					2.59	6564.99	cum		17,003
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)									
Column Pedestals	6	0.45	0.45	0.45	0.55	0			0
for OHSR (1x4x0.38x0.60)	0	0	0	0	0	0			0
Total					0.55	6977.99	cum		3,838
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	6	0.23	0.23	2.85	0.9	0			0
Columns upto Plinth Beam Level	6	0.23	0.23	0.6	0.19	0			0
Total					1.09	8073.99	cum		8,801
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)									
deduct junctions	3	0.23	0.23	0.23	-0.04	0			0
intermediate plinth	2	1.5	0.23	0.23	0.16	0			0
Room cross walls	3	3.22	0.23	0.23	0.51	0			0

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	Room Middle walls	3	5.88	0.23	0.23	0.93	0		0
	Total					1.56	8556.99	cum	13,349
	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)								
	Roof Beam Cross	0	0	0	0	0	0		0
	Total					0	7514.25	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 115mm thick] (Excluding GST)								
	Deduct Manhole	0	0	0	0	0	0		0
	Roof slab area(with 0.30m alround projection)	1	6.5	4.29	0.13	3.49	0		0
	Septic Tank	1	2.13	3.75	0.12	0.92	0		0
	Total					4.41	7541.9	cum	33,260
	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure. (Excluding GST)								
	Deduct Main Door	2	1	0.23	2.1	-0.97	0		0
	Deduct Toilet Doors	4	0.75	0.23	2.15	-1.48	0		0
	Deduct Ventilaters	4	2.2	0.23	0.3	-0.61	0		0
	deduct ventilators over doors	2	1	0.23	0.3	-0.14	0		0
	internalwalls	2	2.55	0.23	2.15	2.52	0		0
	partition walls	2	1.47	0.1	2.15	0.63	0		0
	toilet main walls	3	3.2	0.23	2.85	6.29	0		0
	toilet main walls	2	2.55	0.23	2.85	3.34	0		0
	toilet main walls	2	2.6	0.23	2.85	3.41	0		0
	Total					12.99	5151.61	cum	66,919

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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 [2nd Class Bricks and RR Masonary]. (Excluding GST)									
0.50 deduct ventilators	2	2.2	0	0.3	-1.32	0			0
deduct doors	1	0.98	0	2.1	-2.06	0			0
deduct ventilators	1	0.98	0	0.3	-0.29	0			0
for short walls	2	3.72	0	3.17	23.58	0			0
Outside sides	2	5.92	1	3.17	37.53	0			0
Total					57.44	316.03	sqm		18,153
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)									
0.50 deduct ventilators	1	0.98	0	0.3	-0.29	0			0
deduct Cross section of walls	4	0.13	0	2.15	-1.12	0			0
Deduct Main Door	1	0.98	1	2.15	-2.11	0			0
Deduct Toilets Doors	4	0.75	1	2.15	-6.45	0			0
Deduct Ventilators	2	2.2	1	0.3	-1.32	0			0
for partition walls	4	1.45	0	2.15	12.47	0			0
for internal walls	4	2.55	0	2.15	21.93	0			0
Inside Toilets allround	2	2.58	1	3.15	16.25	0			0
Inside Urinal portion	2	2.63	1	3.15	16.57	0			0
internal walls	4	3.22	0	3.15	40.57	0			0
Total					96.5	110.81	sqm		10,693
Plastering with CM (1:5), 20mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)									
deduct cross sections	4	0.13	0	1.2	-0.62	0			0
for baffel walls	4	1.65	0	1.2	7.92	0			0
for long walls	2	3.29	0	1.5	9.87	0			0
on top of baffel walls	2	1.65	0	0.13	0.43	0			0
Septic Tank Allround	2	1.65	1	1.5	4.95	0			0
Total					22.55	245.96	sqm		5,546

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	Flooring with Non-skid red or white full body Ceramic floor tiles, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work (Excluding GST)								
	at door steps	4	0.75	0.23	0	0.69	0		0
	Toilets inside	4	1.19	1.45	1	6.9	0		0
	Urinal portion	2	2.55	1.44	1	7.34	0		0
	Total					14.93	718.28	sqm	10,724
	Dadoing to walls with ISO accerdiate glazed red or white full body ceramic wall tiles of make as approved by engineer -in - charge of site not less than 300 x 450 mm / 320 mm x 400 mm set over base coat 12mm thick CM (1:3) base over coat and neat grey cement slurry of honey likr consistency spread at the rate of 3.3 kgs per sqm and jointed with white cement paste mixed with pigment of matching shade to matching shade to match the shade of tiles including cost and of all materials and water to work site, including cost of seigniorage charges on all materials and all operational incidental and labour charges such as mixing mortar fixing in postion including lift charges curing etc completed for work . (Excluding GST)								
	Inside Toilets Allround	4	4.52	1	1.5	27.12	0		0
	Inside Urinal side wall	2	5.76	1	1.5	17.28	0		0
	Total					44.4	560.91	sqm	24,904
	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)								
	Doors for Main Entrance	170	0	0	0	170	0		0
	large ventilators	200	0	0	0	200	0		0
	small ventilators	70	0	0	0	70	0		0
	Total					440	70.08	Kgs	30,835
	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)								
	for doors	4	4.85	0	0	19.4	0		0
	Total					19.4	506	rmt	9,816
	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)								

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	Doors for Toilets	4	0.69	2.05	1	5.66	0		0
	Total					5.66	3030	sqm	17,150
	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)								
	Deduct Main Door	0	0	0	0	0	0		0
	Deduct Toilets Doors	0	0	0	0	0	0		0
	Deduct Ventilaters Sides	0	0	0	0	0	0		0
	Inside Toilets allround	0	0	0	0	0	0		0
	Inside Urinal partitions allround	0	0	0	0	0	0		0
	Inside Urinal portion	0	0	0	0	0	0		0
	Main Door Sides	0	0	0	0	0	0		0
	Toilet Doors Sides	0	0	0	0	0	0		0
	Ventilaters Sides	0	0	0	0	0	0		0
	Total					0	121.78	sqm	0
	Painting to New walls with two coats of acrylic emulsion paint weather proof waterbased, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor EXTERNAL (Excluding GST)								
	Outside sides	0	0	0	0	0	0		0
	Total					0	219.04	sqm	0
	Painting to new Iron work with Two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade over base coat of Red Oxide primer thouroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, all operational, incidental and labour charges etc., complete for finished item of work. (Excluding GST)								
	For Ventilators	0	0	0	0	0	0		0
	For Main Door	0	0	0	0	0	0		0
	Total					0	122.74	sqm	0

మన బడి నాడు-నేడు

	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	463	0	0	0	463	0	0
	8mm HYSD bars	435	0	0	0	435	0	0
	Total					898	48.41 Kgs	43,472
	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 all internal connections of toilets	1	9	0	0	9	0	0
	Total					9	89.1 rmt	802
	Supplying and fixing of 110 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326) (Excluding GST)							
	Sanitary Connections	1	9	0	0	9	0	0
	Total					9	169.13 rmt	1,522
	Supplying and fixing of 90 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326) (Excluding GST)							
	Sanitary Connections	0	0	0	0	0	0	0
	Total					0	141.49 rmt	0
	Supplying and fixing of 160 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)							
	Septic Tank	0	0	0	0	0	0	0
	Total					0	402.6 rmt	0

మన బడి నాడు-నేడు

	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[28.60 mm dia CPVC SDR 13.50]. (Excluding GST)								
CPVC Pipes for Toilets	1	15	0	0	15	0			0
for Hand wash	1	9	0	0	9	0			0
Total					24	123	rmt		2,952
	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[34.90mm ODPipe - SDR 13.5]. (Excluding GST)								
	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 roof beams	3	3.22	0.23	0.3	0.67	0			0
For Water Closet Connections	0	0	0	0	0	0			0
for toilet roof beams long	2	5.88	0.23	0.3	0.81	0			0
for water tank	0	0	0	0	0	0			0
Total					0	193	rmt		0
Total					1.48	7514.25	cum		11,121
	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)								
For Water Closet Connections	0	0	0	0	0	0			0
Total					0	266	rmt		0

మన బడి నాడు-నేడు

	Supplying and fixing 580 mm x 440 mm long Orissa pan white glazed Water Closet 1st quality ISI marked confirming to IS:2556-Part-3-1981 with P or S trap Hindware / Parryware / Neycer with brick masonry seat, CC squatting plate and fixing 12.70mm dia NP Push cock 1st quality , P trap or S trap of Indian W.C. shall be encased on CC (1:2:4) 150mm alround well above the joint to stop leakage at the joint etc., 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 complete including cost and conveyance of all materials to site, cost of CC bed, labour charges and seigniorage charges etc., complete for finished item of work. (Excluding GST)							
	Orrisa Pan WCs	0	0	0	0	0	0	0
	Total					0	1677 Nos	0
	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	0	0	0	0	0	0	0
	Total					0	2647 Nos	0
	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)							
	Flat back bowl urinals	0	0	0	0	0	0	0
	Total					0	1894 Nos	0
	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	0	0	0	0	0	0	0
	Total					0	445 Nos	0
	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)							
	In Roof Slab	0	0	0	0	0	0	0
	Total					0	58.38 mtr	0
	Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)							

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	In Walls	0	0	0	0	0	0		0
	Total					0	71.44	mtr	0
	Supply and run of 2 of 36/0.3mm (2.5 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete. (Excluding GST)								
	Main Board to Switch Board	0	0	0	0	0	0		0
	Total					0	64.93	mtr	0
	Supply and run of 1 of 14/0.3mm (1.0 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for earth continuity including all labour charges etc., complete. (Excluding GST)								
	Earthing Wire	0	0	0	0	0	0		0
	Total					0	18.62	mtr	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)								
	16A 3 Pin Socket	0	0	0	0	0	0		0
	Total					0	434.34	Nos	0
	Supply and fixing SPN Distribution board with IP-42 protection (Metal Door) suitable for single phase ELCB / RCCB / DP Isolator as incomer and 10kA SP MCBs as outing going including internal connection and labour charges for surface/ flush mounting etc., complete. (Excluding GST)								
	Distribution Board	0	0	0	0	0	0		0
	Total					0	4107.07	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	0	0	0	0	0	0		0
	Total					0	867.5	Nos	0
	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	0	0	0	0	0	0		0
	Total					0	209.75	Nos	0
	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	0	0	0	0	0	0		0
	Total					0	5900	Nos	0

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	Labour charges only for fixing European Water Closet with P or S trap as per standard practice (BMW- D.15) (Excluding GST)								
	for EWC	2	0	0	0	2	0		0
	Total					2	264	Nos	528
	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)								
	(CERA Sanitaryware Ltd) Supply of 1st quality floor mounted Single piece EWC suit with ceramic material with range of sizes : 510-695 x 295-385 x 520-795 mm with S trap for Ground floor and P trap for First floor Toilets with dual flush with all internal parts of dual flush cistern, ultra solid soft close seat cover with fittings of approved make with rubber buffer and cap all of approved make etc. complete for finished item in all respects: White Coloured, cost and conveyance of all materials and all labour charges like loading, unloading & stacking etc., to school site including GST and all taxes etc., as applicable from time to time excluding installation. Similar or Nearer to the Shape as indicated in the given Photo with slight / qualified modifications in Length, Breath, Depth. (Including GST)								
	EWC	2	0	0	0	2	0		0
	Total					2	7600	Nos	15,200
	(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)								
	for toilets	0	0	0	0	0	0		0
	Total					0	1336.05	Nos	0
	(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)								
	SMALL URINALS	1	0	0	0	1	0		0
	Total					1	712.72	Nos	713
	(CERA Sanitaryware Ltd) Supplying of white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete. Indian make : 590 x 375 x 390 mm including cost and conveyance of all materials and all labour charges like loading, unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	URINALS	3	0	0	0	3	0		0
	Total					3	2277.07	Nos	6,831

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	(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)								
	for hand wash	4	0	0	0	4	0		0
	Total					4	1478.17	Nos	5,913
	(CERA Sanitaryware Ltd) Supply of Orissa Pan white glazed W.C 1st quality conforming to IS:2556-Part-3-1981 with P or S trap: 510 x 400 mm Long including cost and conveyance of all materials : White Coloured including cost and conveyance of all materials and all labour charges like loading, unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)								
	OWC	4	0	0	0	4	0		0
	Total					4	1185	Nos	4,740
	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure.[Brick masonry in CM (1:8) in First Floor] (Excluding GST)								
	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)								
	inside septic tank	1	3.29	1.67	0.15	0.82	0		0
	Total					0.82	5375.25	cum	4,408
	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	49093.86	PERCENT AGE	49,094

Work Code : 202021002474

Name of the Work : Major and Minor Repairs

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Administrative Sanction No : Proc.No2823010191/MBNN/2020 Technical Sanctioned : /20-21
-2021 No
Estimate Amount (in Rs.) : 2,86,272/- Work MBook Amount : 6,51,189/-
(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 [Brick masonry] (Excluding GST)								
	AT HM ROOM	1	1.7	0.35	2.17	1.29	0		0
	At HM room	1	0.97	0.35	0.75	0.25	0		0
	at kitchen shed	1	0.97	0.23	1.95	0.44	0		0
	DEDUCT DOOR	1	1.1	0.35	2.05	-0.79	0		0
	hm room	1	2	0.35	3.15	2.2	0		0
	Total					3.39	262.08	cum	888
	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)								
	Dismantling Of Kadapa Slabs At Room 2	2	6.1	4.8	0	58.56	0		0
	Total					58.56	6.6	Sqm	387
	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)								
	over HM room	1	8.75	3.45	0.05	1.51	0		0
	over hm room	1	8	5.1	0.05	2.04	0		0
	Total					3.55	1024.8	cum	3,638
	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)								
	deduct door	0.5	0.97	0	1.95	-0.95	0		0

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	deduct windows	1	1.2	0	1.2	-1.44	0		0
	east facing of hm room	1	8	0	1.98	15.84	0		0
	oldblackboards	2	2	0	1.08	4.32	0		0
	Total					17.77	5.5	Sqm	98
	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)								
	doors	3	0	0	0	3	0		0
	windows	4	0	0	0	4	0		0
	Total					7	154.75	Nos	1,083
	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)								
	Earth Work Excavation For Granite At Room 2 Flooring	2	6.1	4.8	0.2	11.71	0		0
	for stage RR masnory	2	6.74	0.45	0.6	3.64	0		0
	for stage RR masnory	2	5.8	0.45	0.6	3.13	0		0
	for water room RR masnory	1	4.85	0.45	0.45	0.98	0		0
	Total					19.46	152.88	cum	2,975
	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)								
	deduct tree portions	2	0.55	0.55	0.07	-0.05	0		0
	for flooring of stage	1	6.6	6	0.1	3.96	0		0
	for RR masnory at tree gaurd	2	4.4	0.25	0.1	0.22	0		0
	for RR Masnory at tree gaurd	2	1.15	0.25	0.1	0.06	0		0
	for stage RR Masnory	2	6.74	0.45	0.1	0.61	0		0
	for stage RR Masnory	2	5.8	0.45	0.1	0.52	0		0
	for tree gaurd	0.78	1.91	1	0.1	0.15	0		0

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	for tree gaurd	0.78	1.91	1	0.07	0.11	0		0
	for tree gaurd	1	4.42	1.64	0.07	0.54	0		0
	for water room RR masnory	1	4.85	0.45	0.1	0.22	0		0
	PCC For Room 1 Varandah Granite Flooring	1	6.2	3	0.15	2.79	0		0
	PCC For Room 2 Granite Flooring	2	6.1	4.8	0.15	8.78	0		0
	PCC For Room1 Granite Flooring	1	6.2	5	0.15	4.65	0		0
	Total					22.56	3129.61	cum	70,604
	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 circular tree gaurd	0.63	1.91	1	0.5	0.6	0		0
	for flag stage for circular type	0	0	0	0	0.64	0		0
	for stage	2	6.74	0.45	0.7	4.25	0		0
	for stage	2	5.8	0.45	0.7	3.65	0		0
	for tree gaurds	2	4.42	0.23	0.5	1.02	0		0
	for tree gaurds	2	1.18	0.23	0.5	0.27	0		0
	for water room	1	4.86	0.45	0.45	0.98	0		0
	Total					11.41	3516.95	cum	40,128
	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)								
	0.50 deduct window	1	1.2	0	1.2	-1.44	0		0
	at room 1 to 3	1	3.05	0	0.97	2.96	0		0
	at room 1 to 3	1	2.05	0	0.97	1.99	0		0
	deduct column face in hm room	1	0.25	0	2.1	-0.53	0		0
	deduct door	0.5	1.29	0	2.14	-1.38	0		0
	for circular flag stage	0	0	0	0	0	0		0

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	for circular flag stage for sides	0	0	0	0	1.62	0		0
	for circular flag stage top	0	0	0	0	5.65	0		0
	for kitchen shed	1	3.1	0	0.4	1.24	0		0
	for kitchen shed	1	3.1	0	0.4	1.24	0		0
	for kitchen shed at ddoor	1	1.55	0	2.05	3.18	0		0
	for kitchen shed supporting plat form	2	0.63	0	0.73	0.92	0		0
	for racks in hm room	2	0.63	0	2.05	2.58	0		0
	for racks in hm room	2	0.73	0	2.05	2.99	0		0
	for racks in hm room	2	0.73	0	1.53	2.23	0		0
	for walls in hm room	1	5.17	0	2.1	10.86	0		0
	for walls in hm room	1	2.89	0	2.1	6.07	0		0
	for water room	1	1.98	0	3.05	6.04	0		0
	for water room	1	0.53	0	2.1	1.11	0		0
	for water room	1	4.4	0	2.1	9.24	0		0
	for water room	1	1.98	0	2.1	4.16	0		0
	Total					60.73	234.69	sqm	14,253
	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)								
	back side of HM room	1	8	0	1.95	15.6	0		0
	Total					15.6	249.61	sqm	3,894
	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure. (Excluding GST)								
	for selfs	1	0.73	0.1	2.05	0.15	0		0
	at hm room	1	2.64	0.23	2.1	1.28	0		0
	at old windows	1	1.2	0.23	1.45	0.4	0		0
	at old windows	1	1.08	0.23	1.97	0.49	0		0
	brickwork	1	5.17	0.23	2.1	2.5	0		0
	deduct window at hm room	2	1.2	0.23	1.2	-0.66	0		0
	for circular flag satge	0	0	0	0	0.11	0		0

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	for circular flag stage	0	0	0	0	0.03	0		0
	for circular flag stage	0	0	0	0	0.58	0		0
	for class room 1 to 3	1	3.05	0.23	0.79	0.55	0		0
	for class room 1 to3	1	2.05	0.23	0.79	0.37	0		0
	for kitchen shed	1	3.56	0.23	0.4	0.33	0		0
	for kitchen shed	1	3.1	0.23	0.4	0.29	0		0
	for kitchen shed supporting plat form	1	0.63	0.1	0.73	0.05	0		0
	for selfs	1	0.63	0.1	2.05	0.13	0		0
	for selfsa	1	0.73	0.1	1.53	0.11	0		0
	forkitchen shed	1	1.55	0.23	2.05	0.73	0		0
	Total					7.44	5151.61	cum	38,328
	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 GATE	116	0	0	0	116	0		0
	for kitchen shed	125	0	0	0	125	0		0
	for sunshades	60	0	0	0	60	0		0
	Total					301	48.41	Kgs	14,571
	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 column	1	0.38	0.38	4.05	0.58	0		0
	for gate column	1	0.38	0.38	3.95	0.57	0		0
	Total					1.15	8073.99	cum	9,285
	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)								
	for water room	1	4.85	0.23	0.23	0.26	0		0
	Total					0.26	8556.99	cum	2,225

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	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick] (Excluding GST)							
for kitchen shed inner plat form	1	2	0.65	0.1	0.13	0		0
Total					0.13	7541.9	cum	980
	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)							
Kitchen Shed-Slab1	1	3.6	4.2	0.13	1.89	0		0
Total					1.89	7310.25	cum	13,816
	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)							
deduct decorative holes	3	0.45	0.3	0.15	-0.06	0		0
deduct decorative holes	2	0.3	0.1	0.15	-0.01	0		0
deduct decorative holes	1	0.3	0.3	0.15	-0.01	0		0
for arch	1	5.8	0.6	0.15	0.52	0		0
Total					0.44	6866.25	cum	3,021
	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 hm room	1	2.2	1	0.1	0.22	0		0
for hm room	2	1.4	0.6	0.07	0.13	0		0
for hm room	1	1.64	0.5	0.07	0.06	0		0

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	Total					0.41	11646.99	cum	4,775
	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)								
	at room 1 to 3	1	3.05	0	0.79	2.41	0		0
	at room 1 to 3	1	2.05	0	0.79	1.62	0		0
	at water room	1	4.86	0	2.2	10.69	0		0
	at water room	1	2.85	0	2.05	5.84	0		0
	at water room	1	0.78	0	2.1	1.64	0		0
	deduct door	0.5	1.29	0	2.15	-1.39	0		0
	deduct door	0.5	0.97	0	1.95	-0.95	0		0
	deduct windows	1	1.2	0	1.2	-1.44	0		0
	deduct windows	1	1.2	0	1.2	-1.44	0		0
	for hm room	0	8	0	0	0	0		0
	for hm room external	1	5.17	0	2.1	10.86	0		0
	for hm room external	1	3.19	0	2.1	6.7	0		0
	for kitchen shed	1	3.56	0	0.4	1.42	0		0
	for kitchen shed	1	3.56	0	0.4	1.42	0		0
	for kitchen shed at door	1	1.55	0	2.05	3.18	0		0
	for tree gaurd	3.14	2.35	0	0.5	3.69	0		0
	for tree gaurds	1	12.1	0	0.5	6.05	0		0
	Total					50.3	316.03	sqm	15,896
	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)								
	over hm room	1	8.75	3.45	0	30.19	0		0
	rcc slab1	1	8	5.1	0	40.8	0		0
	Total					70.99	338.21	sqm	24,010
	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 windows	0	0	0	0	0	0		0

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	for 1 & 2 class romm grills & Doors	190	0	0	0	190	0		0
	for kitchen shed door	80	0	0	0	80	0		0
	for RO Room	90	0	0	0	90	0		0
	for structure of PVC tank area	200	0	0	0	200	0		0
	Total					560	70.08	Kgs	39,245
	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)								
	Class Room-Room1	0	0	0	0	0	0		0
	Class Room-Room2	0	0	0	0	0	0		0
	Class Room-Room3	0	0	0	0	0	0		0
	Class Room-Room4	0	0	0	0	0	0		0
	Class Room-Room5	0	0	0	0	0	0		0
	Class Room-Varandah1	0	0	0	0	0	0		0
	Class Room-Varandah2	0	0	0	0	0	0		0
	Class Room-Varandah3	0	0	0	0	0	0		0
	Total					0	758.06	sqm	0
	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)								
	Flooring With Granite At Room 1 Varandah	1	6.2	3	0	18.6	0		0
	Flooring With Granite At Room 2	2	6.1	4.8	0	58.56	0		0
	Flooring With Granite At Room1	1	6.2	5	0	31	0		0
	Total					108.16	1604.54	sqm	1,73,547

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Gravel Filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work. (Excluding GST)									
back side class rooms	1	25	1.5	1.2	45	0			0
for stage	1	5.8	5.8	0.45	15.14	0			0
Gravel Filling At Ground	1	30	20	0.2	120	0			0
right side of class rooms	1	7.5	1.2	0.9	8.1	0			0
Total					188.24	378.5	cum		71,249
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)									
For Toilet	0	0	0	0	0	0			0
Total					0	2469	Nos		0
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)									
blasting area	1	6	3	0.3	5.4	0			0
blasting area at ground	1	6	3	0.3	5.4	0			0
Total					10.8	662.08	cum		7,150
Differential Cost of Cement (Including GST)									
Differential Cost of Steel (Including GST)									
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 windows	260	0	0	0	260	0			0
Total					260	70.08	Kgs		18,221
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)									
for blasting area	1	6	3	0.3	5.4	0			0
for blasting area	1	6	3	0.3	5.4	0			0

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	Total					10.8	662.08	cum	7,150
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	69770.26	PERCENT AGE	69,770

Work Code	: 202021002476	Name of the Work	: Drinking Water Supply
Administrative Sanction No	: Proc.No2823010191/MBNN/2020-2021	Technical Sanctioned	: /20-21 No
Estimate Amount (in Rs.)	: 3,51,799/-	Work MBook Amount	: 2,38,831/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work. [Ordinary Soil - Manual means - Upto 3m depth] (Excluding GST)								
	for hand wash area	2	3.75	0.6	0.45	2.02	0		0
	for Hnad wh area RR Masonry	1	2.5	0.6	0.45	0.68	0		0
	for pipe line form gp connection to sump	0	0	0	0	0	0		0
	for sump	1	3.3	2.5	1.45	11.96	0		0
	form ohsr to drinking water	1	9	0.3	0.6	1.62	0		0
	from driking water to ro plant	1	28	0.3	0.6	5.04	0		0
	from sump to ohsr	1	49	0.3	0.6	8.82	0		0
	Total					30.14	267.54	cum	8,064

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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)									
For Cistern Foundation	0	4	2.36	0.15	0	0			0
for hand wash platform	0	3.75	0.45	0.15	0	0			0
for sump	0	3.3	2.5	0.15	0	0			0
Total					0	3258.1	cum		0
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 125mm thick] (Excluding GST)									
deduct man hole	0	0.6	0.6	0.1	0	0			0
for sump	0	3.03	2.2	0.1	0	0			0
Total					0	7310.25	cum		0
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)									
deduct brick pillars of cistern	1	0.38	0.38	0	-0.14	0			0
deduct manhole of sump	1	0.6	0.6	0	-0.36	0			0
for cistern area	1	3.75	3.4	0	12.75	0			0
for sump	1	3	2.2	0	6.6	0			0
Total					18.85	338.21	sqm		6,375
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	85	0	0	0	85	0			0
Total					85	48.41	Kgs		4,115
Deposit Amount Payable to Grama Panchayat For Tap Connection (Excluding GST)									
Tap Connection	0	0	0	0	0	0			0
Total					0	2000	LS		0

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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	0	0	0	0	0	0		0
Total					0	123	rmt	0
	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)							
41.30 MM OD Pipe	0	0	0	0	0	0		0
Total					0	266	rmt	0
	Supply and erecting of 1.00 HP (25 mm x 25 mm) single phase ISI Monoblock CI body motor pump set conforming to IS 9079:2002 approved make centrifugal water pump with impeller, priming funnel cork, companion metallic flanges with bolts and nuts and mounted on a common shaft of high coefficient squirrel cage induction motor totally enclosed and fan cooled tyupe suitable to operate on 230 V single phase 50 HZ , 1440 RPM AC power supply excluding suction/delivery pipe with nuts duly grouted on existing CC foundation and bolts, spring washer of requisite size for monoblock motor and pump (Excluding GST)							
Erecting of 1 HP mono block mator pump set	1	0	0	0	1	0		0
Total					1	8175	Nos	8,175
	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)							
hand wash	0	0	0	0	0	0		0
Total					0	6866.25	cum	0
	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 long walls	2	3	0.23	1.45	2	0		0
for sump short walls	2	1.74	0.23	1.45	1.16	0		0
Total					3.16	4809.13	cum	15,197

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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 sponze finishing including cost and conveyance of all materials and all labour charges etc., complete for walls. (Excluding GST)								
	inside sump	2	1.74	0	1.45	5.05	0		0
	inside sump	2	2.54	0	1.45	7.37	0		0
	Total					12.42	308.99	sqm	3,838
	Dadoing to walls with ISO accerdiatate 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)								
	around cistern sides	1	8.2	0	0.45	3.69	0		0
	for cistern top area	1	2.55	1.55	0	3.95	0		0
	for taps area of cistern	2	1.8	0	0.45	1.62	0		0
	Total					9.26	560.91	sqm	5,194
	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 cistern brick pillars	2	0.4	0.4	0.1	0.03	0		0
	for hand wash area	2	3.75	0.6	0.1	0.45	0		0
	for hand wash area	1	2.5	0.6	0.1	0.15	0		0
	Total					0.63	3129.61	cum	1,972
	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 OHSR	0	0	0	0	0	0		0
	Total					0	6977.99	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.[PLINTH BEAMS] (Excluding GST)							
	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 beams	0	0	0	0	0	0	0
	for ohsr beams	0	0	0	0	0	0	0
	Total					0	7628.71 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 115mm thick] (Excluding GST)							
	deduct manhole	1	0.6	0.6	0.1	-0.04	0	0
	for cistern	1	2.59	1.55	0.1	0.4	0	0
	for sump	1	3.03	2.2	0.1	0.67	0	0
	Total					1.03	7541.9 cum	7,768

మన బడి నాడు-నేడు

	<p>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)</p>
ro plant	00000000
Total	065373Nos0

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(Livpure Pvt Ltd) Drinking water Supply System Type-III - A)DRINKING WATER SYSTEM FOR SCHOOLS WITH TDS REDUCTION REQUIRED TO 150-400 PPM FROM SOURCE WATER HAVING TDS 400-3000 ppm: TYPE- III A)DRINKING WATER SYSTEM FOR SCHOOLS WITH TDS REDUCTION REQUIRED TO 150-400 PPM FROM SOURCE WATER HAVING TDS 400-3000 ppm: TYPE-III - Supplying and fixing of Drinking water system with the specifications detailed and the Cost includes manufacturer, transportation, Supply, Erection, Commissioning and Testing at the school premises, loading & unloading charges etc., all incidental charges, including GST etc., all other taxes and charges for complete finished item of work, with a warranty period of 05(five) years and further extendable AMC for a period of 05(five) years on mutually agreed terms and conditions. [1] Raw water tank: Dimensions: (as shown in figure), Capacity :500 Liters, Dia.of tank : 765mm, Height :1050mm, Diameter of Lid :500 mm (dia.)Embossing letters on Tank:Nadu - Nedu2020 (B)Specifications: The entire Tank and Lid shall be made with SS sheet of 304 grade (1.20mm) (C) Stand - Height: 550 mm, Ring of diameter 768mm made with SS tube of size 25mm x 25mm x 1.6mm thick of approved brand, 6 Nos of legs and with tie made of SS tube of size 25mm x 25mm x 1.6mm thick [2] Water Treatment unit with Ultra Violet System - Vessel / dual media of 255.00 mm dia. and 1370.00 mm height (i.e., 10 x 54) – make Pentair, Jumbo filter housing with 5/10 micron – make –PRATAM/MMP, UV system with 1000 LPH capacity with SS body 500 mm height – TDS Membrane filters-04(Green Membrane Technology with membrane pore size 0.001 microns) to bring water TDS levels 150-400 ppm for TDS 400 – 2000ppm feed water at an Average purification of 100-140 liters per hour ,based on feed water TDS by connecting the below given rated 4 Membranes in series in stages using residual water after diverting the purified water at every stage. The TDS membrane filters are : 400 gpd size 4012-50LPH or Equal, 320 gpd size 3012-40LPH or Equal 200 gpd size 2512-30 LPH or Equal, 100 gpd size 2112-15 LPH or Equal, and for TDS range 2000-3000 ppm Micron filter-1. All the above shall be mounted in SS framed stand (compact skid mounted) equipment made with 40mm size square SS pipe of 304 grade and fitted with SS pipe lines (SS 304 grade) with necessary fittings, with 5 years warranty, Ultrafine membrane (UFM-TDS) filter and booster pump to pump water to the UFM-TDS. with 5 years warranty, Centrifugal pump 0.5 HP with 5 years warranty, Booster pump 300 Gpd PUMP with 5 years warranty, Socket - 01No., Battery-12V-7ah[two(02) in number along with all Charging accessories] OR optimum rating., Pressure gauge, TDS meter, Treated Water Tank: [A]Dimension: (As shown in figure), Capacity : 300Liters, Shell diameter : 765mm, Height of shell : 650mm, Diameter of : 500 mm Lid (Top opening), Locking system :with Heavy SS, Top Lid Embossing letters on Tank: Nadu -Nedu2020 (B)Specifications : Tank with Lid shall be made with SS sheet of 304 grade with 1.20mm thickness (C)Stand: Height of stand : 1310mm, Stand shall be made with SS 304 grade tube of size 25mm x 25mm x 1.6mm thickness for the top in circular shape and SS tube 304 grade of size 25mm x 25mm x 1.6mm thickness 4 Nos. for legs of height 1310 mm and for stiffeners at middle and bottom [4] Water Dispenser (Size 3000mmx450mmx1200mm): [SS Sink], Government High Schools SS Water Dispenser of size 3000mm x450mm x 1200mmas shown in figure made with SS sheet of 1.0mm thick 304 grade and sink of size 245mm x 150mm x 430mm including 8 nos. of taps connected to foot pedestal of SS coated Gun metal push. Frame shall be made with 40mm x 40mm x 1.2mm thick size SS grade 304 square tubes and levers at bottom of frame for level adjustment. The equipment shall be made as per drawing shown in figure. (Including GST)

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<p>(Livpure Pvt Ltd) Drinking water Supply System Type-III - B) DRINKING WATER SYSTEM FOR SCHOOLS HAVING SOURCE WATER TDS BELOW 400 PPM : TYPE- III - Supplying and fixing of Drinking water system with the specifications detailed and the Cost includes manufacturer, transportation, Supply, Erection, Commissioning and Testing at the school premises, loading & unloading charges etc., all incidental charges, including GST etc., all other taxes and charges for complete finished item of work, with a warranty period of 05(five) years and further extendable AMC for a period of 05(five) years on mutually agreed terms and conditions. [1] Raw water tank: Dimensions: (as shown in figure) Capacity : 500Liters, Dia.of tank : 765mm, Height : 1050mm, Diameter of Lid :500 mm (dia.), Embossing letters on Tank: Nadu -Nedu2020 (B)Specifications : The entire Tank and Lid shall be made with SS sheet of 304 grade (1.20mm) (C) Stand - Height: 550 mm, Ring of diameter 768mm made with SS tube of size 25mm x 25mm x 1.6mm thick of approved brand made of SS tube of size 25mm x 25mm x 1.6mm, thick of approved brand Water Treatment unit with Ultra Violet System, Vessel / dual media of 255.00 mm dia. and 1370.00 mm height (i.e., 10 x 54) – make Pentair, Jumbo filter housing with 5/10 micron –make PRATAM/MM, UV system with 1000 LPH capacity with SS body 500 mm height – Mud filter-1. All the above shall be mounted in SS framed stand (compact skid mounted) equipment made with 40mm size square SS pipe of 304 grade and fitted with SS pipe lines (SS 304 grade) with necessary fittings, with 5 years warranty, Mud Filter : MMP / Pratham with 5 years warranty, Dual MediaFilter, Centrifugal pump 0.5 HP (Make-CRI / Lubi / Leo) with 5 years warranty, Pressure gauge, TDS meter, Booster pump 0.5 hp with 5 years warranty, Socket - 01No., Battery-12V-7ah [ONE(01) in number along with all Charging accessories] OR optimum rating., Treated Water Tank: [A]Dimension: (As shown in figure), Capacity: 300 Liters, Shell diameter : 765mm, Height of shell: 650mm, Diameter of : 500 mm Lid (Top opening) Locking system :with Heavy stainless Top Lid(Tank Opening)steel Hinge and padlock, Embossing letters on Tank: Nadu -Nedu2020 (B)Specifications :Tank with Lid shall be made with SS sheet of 304 grade with 1.20mm thickness and the SS sheet shall be Jindal / Salem SAIL; with locking system as shown infigure., (C)Stand: Height ofstand : 1310mm, Stand shall be made with SS 304 grade tube of size 25mm x 25mm x 1.6mm thickness for the top in circular shape and SS tube 304 grade of size 25mm x 25mm x 1.6mm thickness 4 Nos. for legs of height 1310 mm and for stiffeners at middle and bottom as shown in figure (SS 304 grade Pipe shall be of approved brand viz., Jindal / TATA / Salem SAIL / VizagSteel), Outlet pipe made with SS pipe of diameter 40.0mm (1½) and inlet pipe made with SS pipe of diameter 25.40 mm (1) of approved brand SS drain pipe of diameter 40mm(1½), shall be provided with functional valve., [4] Water Dispenser(Size 3000mm x 450mm x1200mm): [SSSink], Government High Schools, SS Water Dispenser of size 3000mm x 450mm x 1200mm as shown in figure made with SS sheet of 1.0mm thick 304 grade and sink of size 245mm x 150mm x 430mm including 8 nos. of taps connected to foot pedestal (Pedal photo as shown in figure) of SS coated Gun metal push or any better quality taps with 40mm (1½) diameter SS connecting pipe up to 3mtrs length with necessary SS clamps at 3 supports and the frame shall be made with 40mm x 40mm x 1.2mm thick size SS grade 304 square tubes and levers at bottom of frame for level adjustment. The equipment shall be made as per drawing shown infigure. (Including GST)</p>									
for the school	1	0	0	0	1	0			0
Total					1	136703	Nos		1,36,703
Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure. (Excluding GST)									
around the slab of cistern	2	1.55	0.1	0.23	0.07	0			0
around the slab of cistern	2	2.35	0.1	0.23	0.11	0			0

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	at taps	1	1.8	0.38	0.45	0.31	0		0
	brick pillars	2	0.38	0.38	0.75	0.22	0		0
	Total					0.71	5151.61	cum	3,658
	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 First Floor] (Excluding GST)								
	ohsr bottom slab	0	0	0	0	0	0		0
	Total					0	7424.71	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 100mm thick First Floor] (Excluding GST)								
	deduct manhole	0	0	0	0	0	0		0
	ohsr top slab	0	0	0	0	0	0		0
	Total					0	8090.71	cum	0
	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)								
	deduct of pillars of cistern	2	0.38	0.38	0.15	-0.04	0		0
	for cistern plat form	1	3.75	3.4	0.15	1.91	0		0
	for sump	1	3.03	2.2	0.15	1	0		0
	Total					2.87	5375.25	cum	15,427
	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 cistern	2	3.75	0.45	0.45	1.52	0		0
	for cistern	2	2.5	0.45	0.45	1.01	0		0
	Total					2.53	3516.95	cum	8,898

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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 [2nd Class Bricks and RR Masonry for Second Floor]. (Excluding GST)								
	for brick pillars of cistern	8	0.38	0	0.3	0.91	0		0
	for cistern top brick masonry	2	1.8	0	0.45	1.62	0		0
	for cistern brick work cistern walls	4	2.35	0	0.23	2.16	0		0
	for cistern brick work side walls	4	1.55	0	0.23	1.43	0		0
	for cistern top brick masonry	1	1.8	0	0.38	0.68	0		0
	Total					6.8	368.57	sqm	2,506
	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	10942.31	PERCENT AGE	10,942

Work Code : 202021002558

Name of the Work : Painting to School

Administrative Sanction No : Proc.No2823010191/MBNN/2020-2021

Technical Sanctioned : /20-21 No

Estimate Amount (in Rs.) : 2,83,067/-

Work MBook Amount : 1,62,576/- (in Rs.)

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

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	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 First Floor INTERNAL Make : Asian, Burger, Nerolac (Excluding GST)								
	internal walls	0	0	0	0	0	0		0
	Total					0	121.78	sqm	0
	Painting to New walls with two coats of acrylic emulsion paint weather proof waterbased, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in First Floor EXTERNAL (Excluding GST)								
	external	0	0	0	0	0	0		0
	Total					0	93.04	sqm	0
	Wall art coloring to exterior and interior walls to make the school environment favourable to children with arts like animals, birds, trees etc and with themes like environment/science/space etc using Acrylic Emulsion Colours of highest grade using standardised stencils (the art work / designs will be furnished by the authority / department). The surface area of work done will be taken as 40 % of the external wall treated and 50 % for internal walls (considering 60 % voids for external walls and 50 % voids for internal walls) Include colours, applying machinery or tools / equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and including all taxes and all or every other requirement in completion of the work shall be met by the SELECTED contractor with a warranty period of 7 Years for entire painting & Paint Coloring (Excluding GST)								
	Internal & external	1	77.45	1	0	77.45	0		0
	Total					77.45	322.8	Sqm	25,001

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(Berger Paints India) Painting to walls with two coats of acrylic emulsion paint weather proof water based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter / Interior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing / scrubbing the surface to remove old paint / lime surface any other adhesives / all loose powdered materials with mechanical devices (optimum pressure) like automatic sandar and mechanical scrubber or manually (where ever mechanical scrubbing not possible) as per technical specification / conditions and including Bio wash / Jet wash / repairs to cracks upto 5mm with acrylic paste / dampness / patches to restore the wall surface apply primer and acrylic emulsion exterior grade / interior grade of the company manufactured as per the given specifications, in two coats. Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools / equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and including all taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company with a warranty period of 7 Years for entire painting & paint coloring

Total 3 (three) coats: 1. Primary Coat 2. Emulsion paint 2(two coats) Exterior (1) Exterior Emulsion should satisfy following parameters : - Dry film thickness for primary coat (Barrier coat) = 70 – 80 Microns, Dry film thickness for emulsion 2 coats = 50 – 60 Microns, Sheen levels at 60 degree GH = > 18 as measured in white, Water resistance = passes > 48 Hrs as per ASTM D870 – 15, Flame spread resistance = Passes as per BS 476 – PART-7 –1997 : Rating Class-I, Resistance to Alkali= Efflorescence Test (Water Permeability test as per SS-500-2002), Durability against colour, flaking, cracking, chalking and weathering = 7 Years warranty on colour & film integrity. Surface drying type = 30 minutes, Spread area = 50 – 60 sqft, Adhesive capacity = Pull of adhesion > 1.5 Mpa, Temperature stability = QUVA > 1000 hours, Dust Repellent = Natural weather exposure for 3 months – No visual difference initially and after cleaning (Including GST)

All classes alround	0	0	0	0	0	0	0	0
For External Walls	1	609.85	0	1	609.85	0		0
Total					609.85	85.02	Sqm	51,849

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(Berger Paints India) Painting to walls with two coats of acrylic emulsion paint weather proof water based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter / Interior grade having VOC (Volatile Organic Compound) content less than 50 grams / liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing / scrubbing the surface to remove old paint / lime surface any other adhesives / all loose powdered materials with mechanical devices (optimum pressure) like automatic sandar and mechanical scrubber or manually (where ever mechanical scrubbing not possible) as per technical specification / conditions and including Bio wash / Jet wash / repairs to cracks upto 5mm with acrylic paste / dampness / patches to restore the wall surface apply primer and acrylic emulsion exterior grade / interior grade of the company manufactured as per the given specifications, in two coats. Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools / equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and including all taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company with a warranty period of 7 Years for entire painting & paint coloring Total 3 (three) coats:1. Primary Coat 2. Emulsion paint 2(two coats) Interior (2) Interior Emulsion should satisfy following parameters : - Dry film thickness for primary coat = 15 – 20 Microns Dry film thickness for emulsion 2 coats = 45 – 50 Microns, Scrub cycles = Minimum 300 cycles as per ASTM D 3450, Washability = Minimum 14000 cycles, Sheen levels at 60 degree GH = <5 units, Resistance to Alkali= Passes the test as per IS 15489 – 2004, Durability against colour, flaking, cracking, chalking and weathering = 7 Years warranty on colour & film integrity., Surface drying type = 30 minutes, Spread area = 120 – 130 sqft per liter, Temperature stability = Passes the test as per IS 15489: 2004. (Including GST)									
	For Internal Walls	1	640.62	0	1	640.62	0		0
	Internal Alround	0	0	0	0	0	0		0
	Total					640.62	87.03	Sqm	55,753
(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 class rooms	0	0	0	0	0	0		0
	For All Class Rooms Wooden Doors And Windows	1	60.47	0	1	60.47	0		0
	Total					60.47	96.02	Sqm	5,806

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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 FRONT WALLS	1	46.86	0	1	46.86	0		0
	Total					46.86	90.01	Sqm	4,218
	(Berger Paints India) Painting to Old walls with Single coat of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade making single coat in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, , cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for INTERNAL WALLS. (make: Berger /Asian) Colour code: Sugericing (NN Crem) -3P0237 Ceiling: white (Including GST)								
	For Ceiling	1	194.74	0	1	194.74	0		0
	Total					194.74	87.03	Sqm	16,948
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	3000.1	PERCENT AGE	3,000

Signature of Engineering Assistant

Signature of FE/AE/AEE
U SRINIVAS

Signature of Deputy Executive Engineer
Chereddi Naveenkumar

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Signature of Executive Engineer

Kandepu Kedareswara Rao