

మన బడి నాడు-నేడు

Measurement Book No : 28236001702001

District Name	:	CHITTOOR
Mandal Name	:	PEDDAPANJANI
Village Name	:	THURLAPALLE
Name of the Executing Agency	:	Panchayat Raj
Name of School	:	MPPS NAGEREPALLE
U-Dise Code	:	28236001702
Technical Sanctioned Amount	:	1598704
Admin Sanctioned Amount	:	1598704
Total Expenditure	:	1423843

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Abstract

U-Dise Code : 28236001702
Technical Sanctioned Amount : 1598704
Admin Sanctioned Amount : 1598704
Total Expenditure : 1423843
MBook Number : 28236001702001

Work Code	Work type name	Estimated Cost	Value of work done
201920025279	Green Chalk Board	30928	30897
201920032307	Drinking Water Supply	203780	116722
201920032529	Providing Electrification with Fans and Tube Lights	63811	61376
201920041502	Paintings to School	213682	145764
201920041794	Construction of Toilet with Running Water	445218	395332
201920043927	Major and Minor Repairs	710970	673753
	Total	1668389	1423843

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 : 201920025279 **Name of the Work** : Green Chalk Board
Administrative Sanction No : Proc.No2823021446/MBNN/2020-2021 **Technical Sanctioned** : /21-22 No
Estimate Amount (in Rs.) : 30,928/- **Work MBook Amount** : 30,897/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	(Prince Board India) Green Chalk Boards - Supply and fixing of ceramic steel / Porcelain enamel Steel Green Chalk Boards of size 2400mmx 1200mm with vitreous enamel steel sheet thickness 0.3mm to 0.40mm with Ceramic steel (Belgium make)/ Porcelain enamel steel 0.3mm to 0.4mm (Japan make) engraving on surface (having vitreous enamelled coating both sides) 0.095mm thick top surface coating and back surface coating thickness of 0.03mm, supported with 9mm thick MDF Board (make : Greenlam / Merino / Century / Kitply / Greenply / ASIS of ISI standards and water proofing) for back support and it backing with 0.25mm thick galvanized iron sheet (make : TATA / JSW / Sail / Vizag Steel), fixed with anodized aluminium frame 20mm wide and 1.2mm thick and board shall be given additional support on all four sides with Aluminium J-Clamps (8 Nos.).Cost includes production cost for complete finished item of work, conveyance of all materials to work site, all labour charges like loading, unloading, Fixing, GST and all other taxes, charges and Rates etc., as applicable from time to time. The item shall carry a Warranty period of 7 (Seven) years from the date of Supply (Including GST)								
	4x8 Green Chalk Boards	3	0	0	0	3	0		0
	Total					3	10299	Nos	30,897

Work Code : 201920032307 **Name of the Work** : Drinking Water Supply
Administrative Sanction No : Proc.No2823021446/MBNN/2020-2021 **Technical Sanctioned** : /21-22 No
Estimate Amount (in Rs.) : 2,03,780/- **Work MBook Amount** : 1,16,722/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
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		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)								
	Cistern To OHSR	1	45	0.3	0.3	4.05	0		0
	Drinking Water Platform	1	0.6	0.3	0.45	0.08	0		0
	For Cistern Foundation	1	2.7	2.3	1.6	9.94	0		0
	For Pipe Line	1	180	0.45	0.6	48.6	0		0
	Hand Wash Platform	1	3.14	0.75	0.75	1.77	0		0
	Total					64.44	267.54	cum	17,240
	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)								
	Drinking Water platform	2	0.6	0.3	0.1	0.04	0		0
	For Cistern Foundation	1	2.36	2	0.1	0.47	0		0
	PCC Bed For Hand wash	1	3.14	0.56	0.07	0.12	0		0
	Total					0.63	3232.72	cum	2,037
	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 Cistern Slab 10 MM	16.1	0	0	0	16.1	0		0
	For Cistern Slab 8mm Bars	10.86	0	0	0	10.86	0		0
	HYSD Bars 10mm	6.04	0	0	0	6.04	0		0
	Hysd Bars 8 MM	3.09	0	0	0	3.09	0		0
	Hysd Bars At Drinking Water Platform 10mm	6.94	0	0	0	6.94	0		0
	Hysd Bars For Handwash 12mm	25.16	0	0	0	25.16	0		0
	Hysd Circular Bars 8mm	8.73	0	0	0	8.73	0		0
	Total					76.92	48.41	Kgs	3,724
	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[22.20 mm dia CPVC SDR 13.50]. (Excluding GST)								

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	From OHSR To Hand Wash	1	40	0	0	40	0		0
	From Water Source To Cistern	1	180	0	0	180	0		0
	Total					220	85	rmt	18,700
	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)								
	From Cistern To OHSR	1	50	0	0	50	0		0
	From OHSR To Drinking Water	1	10	0	0	10	0		0
	Total					60	123	rmt	7,380
	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 requisitie size for monoblock motor and pump (Excluding GST)								
	Motor	1	0	0	0	1	0		0
	Total					1	8175	Nos	8,175
	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)								
	Bottom Supporting Walls	2	1.3	0	0.68	1.77	0		0
	Cistern Internal Long Walls	2	1.9	0	1.4	5.32	0		0
	Cistern Internal Short Walls	2	1.5	0	1.4	4.2	0		0
	Drinking Water Platform Sides	2	2.35	0	0.55	2.59	0		0
	For Circular Handwash	1	4.7	0	0.65	3.06	0		0
	Front Drinking Water Platform	1	2.35	0	0.15	0.35	0		0
	Hand wash Bottom Platform	1	7.5	0	0.3	2.25	0		0
	Left and Right Side Walls	2	0.4	0	0.35	0.28	0		0

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	Plastering Work For Cistern Top Walls	1	8.2	0	0.25	2.05	0		0
	Top Circular Handwash	1	1.4	0	0.6	0.84	0		0
	Top Drinking Water Platform	1	2.65	0	0.55	1.46	0		0
	Total					24.17	308.99	sqm	7,468
	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)								
	Botom Supporting Walls	2	1.35	0	0.65	1.76	0		0
	Taps Portion At Front	1	2.35	0	0.7	1.65	0		0
	Water Flow Supporting Wall	1	2.25	0	0.28	0.63	0		0
	Total					4.04	560.91	sqm	2,266
	Supplying & Fixing 12.7mm NP stop cock Indian make heavy duty including Labour charges (BMW-E.01& E.02)) (Excluding GST)								
	Taps	4	0	0	0	4	0		0
	Total					4	435	Nos	1,740
	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors for 400 Grams (Excluding GST)								
	NP bib taps of size 12.70mm for 400 Grams	4	0	0	0	4	0		0
	Total					4	351.76	Nos	1,407
	Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work[20mm PPR Ball valve] (Excluding GST)								
	Gate Walls	3	0	0	0	3	0		0
	Total					3	207	Nos	621
	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)								

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	Bottom Circular Handwash Platform	1	3.14	0.56	0.1	0.18	0		0
	Cistern Slab	1	2.36	1.96	0.12	0.53	0		0
	Deduction of Bottom Handwash From Bottom Platform	1	3.14	0.51	0.1	-0.16	0		0
	Deduction Of Circular Hand Wash	1	3.14	0.56	0.1	-0.18	0		0
	Deduction of Handwash for Around wall	1	3.14	0.3	0.1	-0.09	0		0
	Deduction Of Manhole	1	0.6	0.6	0.12	-0.04	0		0
	Drinking water platform	1	2.35	0.55	0.12	0.16	0		0
	Rcc For Circular Handwash	1	3.14	1.36	0.1	0.43	0		0
	Rcc For Circular Handwash Around	1	3.14	0.56	0.1	0.18	0		0
	Rcc For Circular Platform at Tap Point	1	1.88	0.12	0.6	0.13	0		0
	Total					1.14	7516.52	cum	8,569

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Drinking water system for schools with TDS reduction required to 150- 400 ppm from source water having 400-3000 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. 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. Sink bottom shall be made with two layers i.e., one shall be fixed and another one is open able for easy maintenance. Tank Rear side door: Back Door shall be provided in single sheet 304 grade sheet of 1.20mm thickness to the full height of tank. Water Treatment unit with membrane filter(pore size 0.001 microns)UV System: UV system with 100 LPH , DC Pump - 12 - 24W, booster pump 100-150 GPD or appropriate rating for TDS membrane filter, VOLTAGE-24VDC; AMPS-1.4 to 2.1A; OPEN FLOW-2.0 to 2.5LPM; WORKING PRESSURE-75 PSI;SUCTION HEIGHT-2M; TDS Membrane filters(Green Membrane Technology with membrane pore size of 0.001 microns):01(one)number of Membranes are to be used in series. 100 gpd size 2112-15 LPH or equal (02)two in number.

Average purified drinking water output of 20-25 liters per hour at TDS of 150 to 400 ppm, based on feed water TDS from 400-2000 ppm and for range having 2000-3000ppm, the Company shall have to utilize suitable alternate Filtration to Bring down the TDS atleast to 500 ppm. Micron (Mud) filter-01. Socket - 01 No. Battery-12V-7ah [two (02) in number with all CHARGEABLE ACEESSORIES] or optimum rating. Dual Medial Filter(Activated Carbon Filter) - (Make: ACG / Aqua). 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)

Drinking Water System	0	0	0	0	0	0		0
Total					0	69685	Nos	0
Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure. (Excluding GST)								
Brick Work For Bottom Platform	1	6.8	0.07	0.12	0.05	0		0
Brick Work For Circular Handwash	1	3.14	0.56	0.6	1.06	0		0

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	Brick Work For Drinking Water	2	0.55	0.23	0.75	0.19	0		0
	Brick Work For Hand Wash Bottom Platform	1	7.5	0.07	0.12	0.06	0		0
	Brick Work On Cistern Slab Long Walls	2	2.36	0.11	0.07	0.04	0		0
	Brick Work On Cistern Slab Short Walls	2	1.75	0.11	0.07	0.03	0		0
	Brick Work On Drinking Water Platform	1	2.35	0.15	0.55	0.19	0		0
	Deduction of Handwash Inner Portion	1	3.14	0.27	0.6	-0.51	0		0
	For Cistern Long Walls	2	2.36	0.23	1.4	1.52	0		0
	For Cistern Short Walls	2	1.5	0.23	1.4	0.97	0		0
	Front Brick Work	1	2.35	0.12	0.07	0.02	0		0
	Left And Right Side Walls	2	0.55	0.12	0.3	0.04	0		0
	Total					3.66	5208.39	cum	19,063
	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)								
	Drain Water Storage Area	1	2.25	0.24	0	0.54	0		0
	Drinking Water Bottom Platform	1	2.2	1.18	0	2.6	0		0
	Drinking Water Bottom Platform At Taps	1	1.96	0.2	0	0.39	0		0
	Left And Right side wall Outside	2	0.57	0.39	0	0.44	0		0
	Left And Right Top Walls	2	0.65	0.12	0	0.16	0		0
	Top inside wall	2	0.24	0.37	0	0.18	0		0
	Total					4.31	718.28	sqm	3,096
	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 Drinking Water	1	0.6	0.3	0.3	0.05	0		0

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	For Hand Wash	1	3.14	0.56	0.45	0.79	0		0
	Total					0.84	3213.64	cum	2,699
	Supply and Transportation of 1.5 HP Single phase Mono block CI body motor pumpset confirms to IS 9079:2002 etc., completed finished item of work Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi / Havells Hi-flow V2 / PSG/Aryen Varsha (Excluding GST)								
	Pump	0	0	0	0	0	0		0
	Total					0	9600	Nos	0
	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)								
	Handwash Platform	1	3.14	0.56	0.6	1.06	0		0
	Total					1.06	29.54	cum	31
	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	12505.93	PERCENT AGE	12,506

Work Code : 201920032529

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

Administrative Sanction No : Proc.No2823021446/MBNN/2020-2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 63,811/-

Work MBook Amount : 61,376/- (in Rs.)

Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete. (Excluding GST)								
	In Walls	1	86.25	0	0	86.25	0		0

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	Total					86.25	71.44	mtr	6,162
	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)								
	Neutral Wire	1	76.25	0	0	76.25	0		0
	Phase wire	1	173.3	0	0	173.3	0		0
	Total					249.55	64.93	mtr	16,203
	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)								
	Sockets	6	0	0	0	6	0		0
	Total					6	284.35	Nos	1,706
	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	11	0	0	0	11	0		0
	Total					11	867.5	Nos	9,543
	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	7	0	0	0	7	0		0
	Total					7	209.75	Nos	1,468
	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	1	0	0	0	1	0		0
	Total					1	5900	Nos	5,900
	Supply and fixing of1 Module Modular type Electronic step type Fan Regulator. in the existing switch board. (Excluding GST)								
	Fan Regulator	6	0	0	0	6	0		0
	Total					6	365	Nos	2,190
	Labour charges for fixing of ceiling fan and regulator including transportation and giving connections with twin core wire etc., complete. (Excluding GST)								
	Labour charges for fixing of ceiling fan	6	0	0	0	6	0		0
	Total					6	138.88	Nos	833

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	Supply of fresh air exhaust fan of light duty 250V A.C 50 Hz., 225mm (9) 1350R.P.M. Metallic body plastic blades, wire mesh, etc., complete. Makes: Crompton / Almounard / Havells Turbo Force. (Excluding GST)								
	Kitchen Exhaust Fan	1	0	0	0	1	0		0
	Total					1	1302.9	Nos	1,303
	Labour charges for fixing of exhaust fan in wall with necessary connections and masonry work of making hole, finishing etc., complete. (Excluding GST)								
	Exhaust Fan	1	0	0	0	1	0		0
	Total					1	492.39	Nos	492
	(Crompton greaves) Ceiling Fans- Supply & Fixing of 1200mm (48) sweep, 380 RPM at 230V with high speed, ceiling fan with air delivery of 210 (CMM) and wattage of 50 to 75W having 3 blades and double ball bearing with all standard accessories like 100% copper winding, down rod 300mm length and 19.20mm dia meter, anti-corrosion aluminium body and blades having thickness of 1.08mm with glassy powder coated paint finish (Ivory colour) etc., including cost and conveyance of all materials to site (of school) including loading and un-loading and fixing etc., complete for finished item of work. (Crompton / Usha / Bajaj / Havells / Orient / Khaitan / Polar / GEC / Almonard) including GST and all taxes etc., as applicable from time to time. The item shall carry a warranty period of 3 (three) years from the date of supply (Including GST)								
	Crompton Fans	7	0	0	0	7	0		0
	Total					7	1440	Nos	10,080
	Provision for GST @ 12.00%								
	Provision for GST	1	0	0	0	1	0		0
	Total					1	5496.05	PERCENT AGE	5,496

Work Code : 201920041502

Name of the Work : Paintings to School

Administrative Sanction No : Proc.No2823021446/MBNN/2020 -2021

Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 2,13,682/-

Work MBook Amount : 1,45,764/- (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				
	Removing White wash or Colour wash by steel wire brushing and/or scraping; sand papering and preparing the wall surface smooth including necessary repairs to scratches complete. (Excluding GST)								

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	For Internal Walls	0	0	0	0	0	0		0
	Total					0	8.78	sqm	0
	Removing White wash or Colour wash by steel wire brushing and/or scraping; sand papering and preparing the ceiling and/or sloping roofs surface smooth including necessary repairs to scratches complete. (Excluding GST)								
	Total Ceiling	0	0	0	0	0	0		0
	Total					0	10.21	sqm	0
	Painting to New walls with two coats of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor INTERNAL Make : Asian, Burger, Nerolac (Excluding GST)								
	Total Internal Walls	1	192.16	0	1	192.16	0		0
	Total					192.16	87.03	sqm	16,724
	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)								
	Compound Wall	1	400.13	0	1	400.13	0		0
	External Walls	1	297.36	0	1	297.36	0		0
	Total					697.49	85.02	sqm	59,301
	Painting to Iron work with Red Oxide primer thouroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, all operational, incidental and labour charges etc., complete for finished item of work. (Excluding GST)								
	MS Sheets	0	0	0	0	0	0		0
	Total					0	43.62	sqm	0
	Painting to Iron work with Two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade thouroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, all operational, incidental and labour charges etc., complete for finished item of work. (Excluding GST)								
	MS Sheets	1	9.63	0	1	9.63	0		0
	Total					9.63	79.99	sqm	770

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<p>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)</p>									
Internal And External Wall Art	1	124	1	0	124	0			0
Total					124	322.8	Sqm		40,027
<p>(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)</p>									
1	0	0	0	0	0	0			0
Total					0	85.02	Sqm		0

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(Berger Paints India) Doors & Windows with wood primer, enamel (in case of Wooden Doors) : -Specification:- Painting to wood work with two coats of ready mixed Synthetic Enamel paints in all shades Grade - I Rates quoted inclusive of all the materials such as paints, paint applying machinery or tools/equipment, Man power and all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for Walls in all Floors, man power, supervision and all other allied charges and excluding taxes and all or every other requirement in completion of the work shall be met by the SELECTED contract company with a warranty period of 7 Years for entire painting & Paint Coloring Total 3 (three) coats:1. Primary Coat 2. Ready mixed Synthetic Enamel paint 2(two coats) Interior / Exterior Requirements for Enamel, Synthetic, Exterior (a) under coating (b) Finishing (Including GST)									
Wooden Doors And Windows	1	29.99	0	1	29.99	0			0
Total					29.99	96.02	Sqm		2,880
(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)									
Iron Doors And Windows	1	36.33	0	1	36.33	0			0
Total					36.33	90.01	Sqm		3,270
(Berger Paints India) Painting to Old walls with Single coat of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade making single coat in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, , cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work for INTERNAL WALLS. (make: Berger /Asian) Colour code: Sugericing (NN Crem) -3P0237 Ceiling: white (Including GST)									
Ceiling	1	100.81	0	1	100.81	0			0
Total					100.81	87.03	Sqm		8,773
Provision for GST @ 12.00%									
Provision for GST	1	0	0	0	1	0			0
Total					1	14018.61	PERCENT AGE		14,019

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Work Code : 201920041794 Name of the Work : Construction of Toilet with Running Water

Administrative Sanction No : Proc.No2823021446/MBNN/2020-2021 Technical Sanctioned : /21-22 No

Estimate Amount (in Rs.) : 4,45,218/- Work MBook Amount : 3,95,332/- (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 Septic Tank	1	3.5	2.4	1.5	12.6	0		0
	For Soak Pit	1	3.14	0.56	1.5	2.64	0		0
	Long Walls	3	5.48	0.6	0.75	7.4	0		0
	Short Walls	8	0.9	0.6	0.75	3.24	0		0
	Total					25.88	267.54	cum	6,924
	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)								
	Long Walls	3	5.48	0.6	0.1	0.99	0		0
	PCC Bed For Toilets	4	1.35	1	0.12	0.62	0		0
	PCC For Toilet Bed Washroom Area	2	2.3	1.35	0.12	0.71	0		0
	Septic Tank	1	3.23	2.05	0.1	0.66	0		0
	Short Walls	8	0.9	0.6	0.1	0.43	0		0
	Total					3.41	3232.72	cum	11,024
	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)								
	Deduction of Plinth Beam	1	1.42	1	1	1.42	0		0
	Filling	1	4.6	2.7	0.45	5.59	0		0

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	Filling Of Partition Rooms	4	1	1.35	0.45	2.43	0		0
	Total					9.44	29.54	cum	279
	Random Rubble stone masonry in CM (1:6) using hard variety of Granite stones from approved quarry including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for foundation and basement. (Excluding GST)								
	Long Walls	3	5.45	0.45	0.6	4.41	0		0
	Partion Wall	1	1.6	0.25	0.9	0.36	0		0
	Partion Walls	1	1.6	0.25	0.75	0.3	0		0
	Septic Tank Long Walls	2	3.23	0.25	1.5	2.42	0		0
	Short Walls	2	1.6	0.25	1.5	1.2	0		0
	Short Walls	8	0.9	0.45	0.6	1.94	0		0
	Total					10.63	3213.64	cum	34,161
	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)								
	Tank Column Footings	4	0.6	0.6	0.2	0.29	0		0
	Total					0.29	6539.6	cum	1,896
	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)								
	Tank Columns	4	0.23	0.23	0.45	0.1	0		0
	Total					0.1	8048.6	cum	805
	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)								
	Long Beams	3	5.37	0.23	0.23	0.85	0		0
	Short Beams	8	1.35	0.23	0.23	0.57	0		0

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	Total					1.42	8531.6	cum	12,115
	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)								
	Tank Bottom Long Beams	2	1.02	0.23	0.2	0.09	0		0
	Tank Bottom Short Beams	2	1.85	0.23	0.2	0.17	0		0
	Tank Bottom Short Beams	2	1.3	0.26	0.16	0.11	0		0
	Tank Top Long Beams	2	2.78	0.27	0.26	0.39	0		0
	Total					0.76	7488.87	cum	5,692
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[LINTELS] (Excluding GST)								
	Septic Tank Lintel	1	2	0.25	0.15	0.07	0		0
	Total					0.07	8094.6	cum	567
	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)								
	Deduction of Manhole	1	0.6	0.6	0.1	-0.04	0		0
	Deduction Of Manhole	1	0.6	0.6	0.1	-0.04	0		0
	Tank Bottom Slab	1	3.4	2.54	0.1	0.86	0		0
	Tank Slab	1	2.8	1.9	0.1	0.53	0		0
	Toilet Slab	1	6	4.15	0.12	2.86	0		0
	VRCC For Septic Tank	1	3.23	1.96	0.1	0.63	0		0
	Total					4.8	7516.52	cum	36,079
	Providing Impervious coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with 1kg of water proof compound per bag of cement laid over roof when it is green including cost and conveyance of all materials all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc., complete for finished item of work. (Excluding GST)								

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	Bottom Long Beams Deduction	2	1.85	0.26	0	-0.96	0		0
	Bottom Short Beams Deduction	2	1.05	0.26	0	-0.55	0		0
	Deduction Of Manhole	1	0.6	0.6	0	-0.36	0		0
	Footing Deduction	4	0.6	0.6	0	-1.44	0		0
	On Slab	1	5.75	3.9	0	22.43	0		0
	Septic Tank	1	3.23	1.96	0	6.33	0		0
	Total					25.45	338.21	sqm	8,607
	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure. (Excluding GST)								
	Brick Work On Septic Tank Long Walls	2	3.23	0.12	0.07	0.05	0		0
	Deduction Of Doors	5	0.75	0.23	1.98	-1.71	0		0
	Deduction of long Ventilators	2	1.65	0.23	0.3	-0.23	0		0
	Deduction of open Space	1	1.05	0.23	2.4	-0.58	0		0
	Deduction of Short Ventilators	4	0.85	0.23	0.25	-0.2	0		0
	For Long Walls	3	5.37	0.23	2.27	8.41	0		0
	For Short Walls	8	1.35	0.23	2.27	5.64	0		0
	Short Walls	2	1.7	0.12	0.07	0.03	0		0
	Steps BrickWork	2	1.14	0.3	0.3	0.21	0		0
	Tank Long Walls	2	2.78	0.23	0.9	1.15	0		0
	Tank Short Walls	2	1.44	0.23	0.9	0.6	0		0
	Total					13.37	5208.39	cum	69,636
	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)								
	Deduction of Doors	2	0.75	0	1.98	-2.97	0		0
	Deduction of Long Windows	2	1.65	0	0.3	-0.99	0		0
	Deduction of Windows	4	0.85	0	0.25	-0.85	0		0
	For Tank Columns	4	1.8	0	0.45	3.24	0		0

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	For Tank Footings	4	1.9	0	0.2	1.52	0		0
	Septic Tank Long Walls	2	3.45	0	0.25	1.73	0		0
	Septic Tank Short Walls	2	1.8	0	0.25	0.9	0		0
	Steps Plastering	2	1.5	0.3	0	0.9	0		0
	Steps Plastering	2	1.15	0	0.15	0.34	0		0
	Tank Top Long Beams	2	2.8	0	0.55	3.08	0		0
	Tank Bottom Long Beams	2	1.85	0	0.7	2.59	0		0
	Tank Bottom Short Beams	2	1.05	0	0.7	1.47	0		0
	Tank Bottom Slab Front Projection	2	3.4	0	0.2	1.36	0		0
	Tank Bottom Slab Side Projection	2	2.54	0	0.2	1.02	0		0
	Tank Long Walls	2	2.78	0	1	5.56	0		0
	Tank Short Walls	2	1.9	0	1	3.8	0		0
	Tank Top Short Beams	2	1.85	0	0.55	2.04	0		0
	Toilet Block Front Side Projection	2	6	0	0.2	2.4	0		0
	Toilet Block Side Slab Projection	2	4.15	0	0.2	1.66	0		0
	Toilet Block Long Walls	2	5.37	0	2.5	26.85	0		0
	Toilet Block Short Walls	2	3.52	0	2.5	17.6	0		0
	Total					73.25	316.03 sqm		23,149
	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)								
	Deduction Of Doors	5	0.75	0	1.98	-7.42	0		0
	Deduction Of Doors	3	0.75	0	1.98	-4.46	0		0
	Deduction Of Long Ventilators	2	1.65	0	0.3	-0.99	0		0
	Deduction Of Short Ventilators	4	0.85	0	0.25	-0.85	0		0
	Deduction Of Urinal Open Space	1	1.05	0	2.38	-2.5	0		0
	Long Walls	2	3	0	2.38	14.28	0		0
	Partition Walls	4	1.6	0	2.38	15.23	0		0
	Short Walls	2	1.6	0	2.38	7.62	0		0

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	Tank Inside Long Walls	2	2.3	0	0.9	4.14	0		0
	Tank Inside Short Walls	2	1.05	0	0.9	1.89	0		0
	Toilet Block Long Walls Handwash Area	4	2.3	0	2.38	21.9	0		0
	Toilet Block Parion Walls	7	1	0	2.38	16.66	0		0
	Toilet Block Partition Rooms	7	1.35	0	2.38	22.49	0		0
	Toilet Block Short Walls Hand Wash Area	4	1.35	0	2.25	12.15	0		0
	Total					100.14	110.81	sqm	11,097
	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)								
	Boys Block	2	1.33	1.02	0	2.71	0		0
	Deductions	2	0.51	0.4	0	-0.41	0		0
	Flooring At Handwash Area	2	2.28	1.35	0	6.16	0		0
	Girl block	2	1.5	1	0	3	0		0
	Total					11.46	718.28	sqm	8,231
	Dadooing to walls with ISO accerdiate glazed red or white full body ceramic wall tiles of make as approved by engineer -in - charge of site not less than 300 x 450 mm / 320 mm x 400 mm set over base coat 12mm thick CM (1:3) base over coat and neat grey cement slurry of honey likr consistency spread at the rate of 3.3 kgs per sqm and jointed with white cement paste mixed with pigment of matching shade to matching shade to match the shade of tiles including cost and of all materials and water to work site, including cost of seigniorage charges on all materials and all operational incidental and labour charges such as mixing mortar fixing in postion including lift charges curing etc completed for work . (Excluding GST)								
	Boys Block Short Walls	2	1.35	0	1.8	4.86	0		0
	Boys Block Short Walls	2	1	0	1.8	3.6	0		0
	Boys Toilet	2	1.3	0	1.8	4.68	0		0
	Boys Urinals Long Walls	2	1.6	0	1.8	5.76	0		0
	Boys Urinals Short Wall	1	1	0	1.8	1.8	0		0
	Dadooing To Long Walls At Handwash	4	2.26	0	1.8	16.27	0		0
	Dadooing To Short Walls At HandWash	4	1.35	0	1.8	9.72	0		0

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	Deduction Of Door	1	0.75	0	1.98	-1.48	0		0
	Deduction Of Doors	5	0.75	0	1.8	-6.75	0		0
	Deduction of Open Space At Boys Urinals	1	1	0	1.8	-1.8	0		0
	Girls Toilet Block	4	0.45	0	1.65	2.97	0		0
	Girls Toilet Block	2	1	0	1.5	3	0		0
	Girls Toilet Blocks	4	0.9	0	1.5	5.4	0		0
	Total					48.03	560.91	sqm	26,941
	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 And Doors	150	0	0	0	150	0		0
	Total					150	70.08	Kgs	10,512
	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)								
	WPC Doors	3	0.75	0	1.98	4.46	0		0
	Total					4.46	3030	sqm	13,514
	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)								
	Total Internal Wall Measurements	0	12.15	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)								
	Toilet Block External Wall Painting	0	65.01	0	0	0	0		0

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	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)								
	Long Span Windows	0	0	0	0	0	0		0
	Short Span Windows	0	0	0	0	0	0		0
	Tank Ladder	0	0	0	0	0	0		0
	Tank Ladder Bottom Rails	0	0	0	0	0	0		0
	Total					0	122.74	sqm	0
	Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded. (Excluding GST)								
	Column Stirrups 8mm	8.53	0	0	0	8.53	0		0
	Lintel At Septic Tank 12 mm	7.45	0	0	0	7.45	0		0
	Long Beams 12mm	56.17	0	0	0	56.17	0		0
	Partition Beams 12mm	12.67	0	0	0	12.67	0		0
	Septic Tank Slab Steel 8mm	17.22	0	0	0	17.22	0		0
	Short Beams 12mm	35.9	0	0	0	35.9	0		0
	Slab Distribution Bars 10mm	92.45	0	0	0	92.45	0		0
	Slab Main Bars 8mm	59.92	0	0	0	59.92	0		0
	Slab Steel 10 mm	28.13	0	0	0	28.13	0		0
	Steel For Tank Bottom Slab 12mm	95.56	0	0	0	95.56	0		0
	Steel For Tank Columns 12mm	20.41	0	0	0	20.41	0		0
	Steel For Tank Roof Slab 8mm	25.41	0	0	0	25.41	0		0
	Stirrups 8 mm	34.12	0	0	0	34.12	0		0
	Stirrups 8mm	34.12	0	0	0	34.12	0		0
	Stirrups 8mm	3.19	0	0	0	3.19	0		0
	Stirrups 8mm	37.32	0	0	0	37.32	0		0
	Stirrups 8mm	8.53	0	0	0	8.53	0		0

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	Stirrups 8mm	3.3	0	0	0	3.3	0		0
	Tank Bottom Beams 12mm	32.73	0	0	0	32.73	0		0
	Tank Top Beams 12mm	32.38	0	0	0	32.38	0		0
	Total					645.51	48.41	Kgs	31,249
	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)								
	Toilet Waste Water Pipes	1	35	0	0	35	0		0
	Total					35	89.1	rmt	3,119
	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)								
	Toilet To Septic Tank Connecting Pipe	1	40	0	0	40	0		0
	Total					40	169.13	rmt	6,765
	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[22.20 mm dia CPVC SDR 13.50]. (Excluding GST)								
	Toilet Tap Connections	1	37.75	0	0	37.75	0		0
	Total					37.75	85	rmt	3,209
	Supplying and fixing of European Water Closet of 1st quality confirming to IS: 2556-Part-2-1973 of Hindustan / Neycer or Parryware make white gllazed with S trap lying and fixing best Indian make plastic seal and lid for European water closets with rubb, 10 Litres capacity Single Flush white PVC low level flushing system parryware, slimline with internal components and short bend including cost and conveyance of all materials to site, all labour charges, sales and other taxes on all materials etc., complete for finished item of work for all floors. (Excluding GST)								
	EWC for Toilet	1	0	0	0	1	0		0
	Total					1	2469	Nos	2,469
	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors for 400 Grams (Excluding GST)								
	NP bib taps of size 12.70mm for Toilet	7	0	0	0	7	0		0

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	Total					7	351.76	Nos	2,462
	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)								
	Concealed Pipe	1	45.3	0	0	45.3	0		0
	Total					45.3	71.44	mtr	3,236
	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)								
	Toilet Block Wiring	1	45	0	0	45	0		0
	Total					45	64.93	mtr	2,922
	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)								
	Toilet Block Wiring	1	45	0	0	45	0		0
	Total					45	18.62	mtr	838
	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	7	0	0	0	7	0		0
	Total					7	209.75	Nos	1,468
	Labour charges only for fixing European Water Closet with P or S trap as per standard practice (BMW- D.15) (Excluding GST)								
	European Water Closet	1	0	0	0	1	0		0
	Total					1	264	Nos	264
	Labour charges only Fixing Orissa pan W.C with P or S Trap (BMW-D.06) (Excluding GST)								
	Fixing Of Orissa Pan	2	0	0	0	2	0		0
	Total					2	377	Nos	754
	Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete (BMW-D.36) (Excluding GST)								
	Fixing Of Urinals	2	0	0	0	2	0		0
	Total					2	127	Nos	254
	Labour charges only for fixing Indian make Flat Back Wash Hand Basin with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting Pillar Taps complete with standard CI brackets including wooden block (BMW-D.28) (Excluding GST)								
	Fixing Of Handwash Basins	4	0	0	0	4	0		0
	Total					4	319	Nos	1,276

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	(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)							
	Sanitary Ware Urinal	2	0	0	0	2	0	0
	Total					2	2277.07	Nos 4,554
	(CERA Sanitaryware Ltd) Supply of Ceramic square glossy finish hand wash basin wall mount / hung. 1st quality conforming to IS: 2556-Part-4:1972 with waste fittings like rubber plug , chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore chromium plated Pillar tap of 1st Quality Indian make 400 gms Seiko / Senior / Nice / Esso or equivalent complete of white colour and approved make with standard CI brackets including wooden block : 550 x 400mm – Double C.P.Pillar Cock including cost and conveyance of all materials and all labour charges like loading, Unloading & stacking etc., complete to school site including GST and all taxes etc., as applicable from time to time excluding installation. (Including GST)							
	Hand Wash Basin	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)							
	Cera Sanitary Ware	2	0	0	0	2	0	0
	Total					2	1185	Nos 2,370
	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	40981.6	PERCENT AGE 40,982

Work Code : 201920043927

Name of the Work : Major and Minor Repairs

Administrative Sanction No : Proc.No2823021446/MBNN/2020
-2021

Technical Sanctioned : /21-22
No

Estimate Amount (in Rs.) : 7,10,970/-

Work MBook Amount : 6,73,753/-
(in Rs.)

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Date of Measurement	Description of Item	Measurement upto date				Total Quantity	Rate	Units	Total Value of work done
		No	L	B	D				
	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges , overheads & contractor profit etc., complete [Reinforced cement concrete] (Excluding GST)								
	Chipping Of Slab	1	8.5	7.8	0.03	1.66	0		0
	Total					1.66	2271.9	cum	3,771
	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)								
	Kitchen	1	2.92	2.86	0	8.35	0		0
	Main Building	1	7.25	4.23	0	30.67	0		0
	Varandah	1	7.7	2.4	0	18.48	0		0
	Total					57.5	6.6	Sqm	380
	Earth work excavation and depositing on bank with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work including seignorage charges excluding dewatering charges etc., complete for Foundation of Building.(APSS No. 308) (Excluding GST)								
	For Path Way Side Walls	1	70	0.3	0.3	6.3	0		0
	Stage Long Walls	2	3.65	0.3	0.45	0.99	0		0
	Stage Short Walls	2	2.5	0.3	0.45	0.68	0		0
	Total					7.97	152.88	cum	1,218
	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)								
	Kitchen Inside	1	2.92	2.86	0.15	1.25	0		0
	Kitchen Varandah	1	2.3	2.5	0.15	0.86	0		0
	Main Building	1	7.25	4.23	0.15	4.6	0		0
	Pathway Side Walls	1	70	0.3	0.1	2.1	0		0
	PCC On Nadu Nedu Name Board	1	3.4	0.8	0.15	0.41	0		0

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	PCC On Stage	1	3.65	3.05	0.1	1.11	0		0
	Stage Long Walls	2	3.65	0.3	0.15	0.33	0		0
	Stage Short Walls	2	2.5	0.3	0.15	0.22	0		0
	Varandah	3	2	0.15	0.15	0.13	0		0
	Total					11.01	3104.23	cum	34,178
	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)								
	Dduction Of Tree Kerbs	5	3.14	0.02	0.6	-0.19	0		0
	Deduction of Kerb 2	1	3.14	0.2	0.75	-0.47	0		0
	Deduction Of Kerb 3	1	3.14	0.36	0.6	-0.68	0		0
	Deduction Of Kerb 4	1	3.14	0.3	0.7	-0.66	0		0
	Kerb 1 Deduction	1	3.14	0.33	0.6	-0.62	0		0
	Stage Long Walls	2	3.7	0.3	0.3	0.67	0		0
	Stage Short Walls	2	2.5	0.3	0.3	0.45	0		0
	Tree Kerb 2	1	3.14	0.81	0.75	1.91	0		0
	Tree Kerb 3	1	3.14	0.81	0.6	1.53	0		0
	Tree Kerb 4	1	3.14	0.72	0.7	1.58	0		0
	Tree Kerb1	1	3.14	0.76	0.6	1.43	0		0
	Tree Kerbs	5	3.14	0.22	0.6	2.07	0		0
	Total					7.02	3213.64	cum	22,560
	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)								
	Botom Step	1	2.2	0	0.6	1.32	0		0
	Bottom Steps Sides	2	0.2	0	0.15	0.06	0		0
	Building Front Varandah V	3	2	0	1.43	8.58	0		0
	File Racks Plastering	4	0.75	0	1.5	4.5	0		0
	Inside Supporting Walls	2	1.3	0	0.6	1.56	0		0
	Inside Walls2	1	1.43	0	0.6	0.86	0		0
	Long Steps	3	3.7	0	0.45	5	0		0
	Middle Step	1	3.7	0	0.5	1.85	0		0

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	Nadu Nedu Name Board Plastering	1	5	0	0.45	2.25	0		0
	Name Board	2	1.95	0	0.45	1.75	0		0
	Name Board Left And Right Side Walls	2	0.6	0	1.85	2.22	0		0
	Name Board Plastering	1	2.4	0	1.85	4.44	0		0
	Plastering Between Center And Left Right	2	0.5	0	0.5	0.5	0		0
	Plastering Work For Kitchen Varandah	1	2.3	0	1.6	3.68	0		0
	Plastering Work For Old Toilet Brick Work	1	7.5	0	0.3	2.25	0		0
	Roof Sheet Wall Plastering	1	10	0	0.4	4	0		0
	Short Length Steps	3	0.85	0	0.35	0.89	0		0
	Stage top Long Step	1	3.06	0	0.45	1.38	0		0
	Steps Middle Plastering	2	0.5	0	0.15	0.15	0		0
	Steps Side Plastering	2	0.8	0	0.15	0.24	0		0
	Steps Side Plastering	2	0.6	0	0.15	0.18	0		0
	Steps Side plastering Bottom	2	0.3	0	0.15	0.09	0		0
	Top Of The Nadu Nedu Name Board	1	3.4	0.8	0	2.72	0		0
	Top Sloped Area	2	0.45	0.23	0	0.21	0		0
	Varandah Left Side Wall	2	1.8	0	1.9	6.84	0		0
	Wall1	1	1.45	0	0.6	0.87	0		0
	Wall2	1	2.3	0	1.45	3.33	0		0
	Total					61.72	234.69 sqm		14,485
	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)								
	Bottom Step	1	0.9	0.3	0.15	0.04	0		0
	Brick Wall On Roof Sheets	1	10	0.23	0.12	0.26	0		0
	Brick Work On Center Of The Name Board	1	2.4	0.23	0.35	0.19	0		0
	Brick Work On Old Toilet	1	7.5	0.12	0.07	0.06	0		0

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Building Back Side Path Walls	2	9	0.07	0.12	0.14	0		0
Building Front Varandah Wall	3	2	0.23	0.65	0.9	0		0
File Racks In Building	4	0.3	0.15	1.5	0.27	0		0
Inside Supporting Walls	2	0.6	0.12	0.6	0.08	0		0
Inside Supporting Walls 2	1	0.6	0.23	0.6	0.08	0		0
Kitchen Varandah Walls	1	2.3	0.12	0.7	0.19	0		0
Left and Right Side Of The Board	2	0.6	0.23	0.35	0.1	0		0
Left Side Wall	1	1.8	0.23	1.9	0.79	0		0
Middle Step	1	0.9	0.5	0.15	0.07	0		0
Nadu Nedu Name Board	1	5	0.12	0.3	0.17	0		0
Sloped Brick Work	2	0.45	0.23	0.3	0.06	0		0
Stage Middle Steps	1	3.7	0.6	0.16	0.36	0		0
Stage Top Short Steps	1	0.9	0.8	0.15	0.11	0		0
Stage Bottom Steps	1	3.7	0.3	0.16	0.18	0		0
Stage Long Steps	1	3.7	0.9	0.16	0.53	0		0
Varandah Wall 2	1	2.3	0.23	0.6	0.32	0		0
Varandah Wall2	1	0.6	0.23	0.6	0.08	0		0
Total					4.98	5208.39	cum	25,938
Masonry work in CM (1:8) prop with Flyash Cement solid blocks of size 290 x 225 x 140 mm for manufacturing of flyash solid blocks using flyash of 50 Kgs / Sqcm including cost and conveyance of all materials, labour charges, scaffolding and curing etc., complete with a compressive strength not less than 50 kg/sqm for walls for Superstructure walls. (Excluding GST)								
Compound Wall Front Side Wall	1	24	0.14	0.23	0.77	0		0
For Pathway Side Walls	1	70	0.14	0.23	2.25	0		0
Stage Short Walls	2	2.8	0.14	0.6	0.47	0		0
Stage Long Walls	2	3.7	0.14	0.6	0.62	0		0
Supporting Walls At Ground	2	0.6	0.15	0.6	0.11	0		0
Total					4.22	5102.57	cum	21,533
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)								

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	Circular Column Verticle Rods 12mm	25.87	0	0	0	25.87	0		0
	Name Board Beam	29.56	0	0	0	29.56	0		0
	Steel 16 mm	17.69	0	0	0	17.69	0		0
	Stirrups 8mm	14.93	0	0	0	14.93	0		0
	Stirrups 8mm	7.82	0	0	0	7.82	0		0
	Total					95.87	48.41	Kgs	4,641
	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 Circular Columns	2	3.14	0.01	1.2	0.1	0		0
	Total					0.1	8048.6	cum	805
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[BEAMS] (Excluding GST)								
	For Name Board Beam	1	5.6	0.23	0.45	0.58	0		0
	Total					0.58	7488.87	cum	4,344
	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 100mm thick] (Excluding GST)								
	Between Building And Old Toilets	1	7	0.6	0.1	0.42	0		0
	Total					0.42	7950.87	cum	3,339
	Plastering with CM 2 coats, 12mm thick, base coat in CM (1:5), 8mm thick and top coat in CM (1:3), 4mm thick with water proof Compound manufactured by reputed manufacturers as approved by engineering incharge at 1kg per 1 bag of cement including sponze finishing and cost and conveyance of all materials and all labour charges etc., complete for external walls [Flyash Bricks]. (Excluding GST)								

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Compound Wall Front Side Wall	1	24	0	0.55	13.2	0		0
Path Way Side Walls Plastering	1	70	0	0.55	38.5	0		0
Supporting Walls Plastering	2	1.5	0	0.6	1.8	0		0
Total					53.5	306.78	sqm	16,413
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)								
Between Name Board Center ,Left And Right	2	1.95	0	0.45	1.75	0		0
Building Back Side Path Way Plastering	2	9	0	0.3	5.4	0		0
Left And Right Side	2	0.6	0	1.85	2.22	0		0
Plastering For Name Board At Center	1	2.4	0	1.85	4.44	0		0
Sides	4	0.5	0	0.35	0.7	0		0
Top Sloped Area	2	0.45	0.23	0	0.21	0		0
Total					14.72	316.03	sqm	4,652
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)								
Impervious Coat On Building Slab	1	8.5	7.8	0	66.3	0		0
Total					66.3	338.21	sqm	22,423
Providing impervious coat 1:1.5:3 mix using 6mm chips with 4 mm thick welded mesh of size (2x3) using over RCC roof slab to required slopes with CM (1:3) prop. 20mm thick (average) mixed with water proofing compound manufactured by reputed manufacturers as approved by Engineer-in-charge at 1Kg/bag of cement, laid over roof slab when it is green, finished smooth with a floating coat of neat cement and thread lining at regular intervals of 45cmx45cm, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, sand, water proofing compound, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, laying, rounding off at junctions of wall and slab, rendering smooth with thread lining, curing, lift charges, etc., complete for finished item of work (Excluding GST)								

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	Building Slab	1	8.5	7.8	0	66.3	0		0
	Total					66.3	1518.53	sqm	1,00,679
	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)								
	Building Varandah Grills	250	0	0	0	250	0		0
	Tank Ladder	30	0	0	0	30	0		0
	Total					280	70.08	Kgs	19,622
	Flooring with polished black Kadapa stones of 15 mm thick set over base coat of CM (1:8) over already laid CC bed/ RCC Roof slab, including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm and jointed with neat cement to full depth including cost of all materials like cement, sand and water and flooring stones etc., complete including labour charges for dressing of flooring stones etc., complete for finished item of work. (Excluding GST)								
	Building Back Side Pathway	1	9	0.6	0	5.4	0		0
	Kitchen Inside	1	3	0.6	0	1.8	0		0
	Kitchen Inside Left	1	1.5	0.6	0	0.9	0		0
	Kitchen Varandah	1	2.7	0.6	0	1.62	0		0
	Total					9.72	670.44	sqm	6,517
	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)								
	Kitchen	1	18.82	0	0.1	1.88	0		0
	Main Building Skirting	1	40.15	0	0.1	4.01	0		0
	Total					5.89	758.06	sqm	4,465
	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)								
	Deduction Of File Racks	2	0.3	0.3	0	-0.18	0		0
	Deduction Of Handwash At Kitchen	1	0.7	0.6	0	-0.42	0		0
	Deduction Of Small Tank	1	0.89	0.48	0	-0.43	0		0
	Deduction Of Step	1	1.14	0.33	0	-0.38	0		0

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	Deduction Of Supporting Walls	1	0.6	0.15	0	-0.09	0		0
	Deduction Of Tree	1	1	0.5	0	-0.5	0		0
	Granite On Stage	1	3.67	3.06	0	11.23	0		0
	Kitchen Inside Room	1	2.92	2.85	0	8.32	0		0
	Kitchen Varandah	1	2.3	2.4	0	5.52	0		0
	Kitchen Varandah	1	1.95	0.63	0	1.23	0		0
	Main Building Inside	1	7.25	4.17	0	30.23	0		0
	Varandah	1	7.7	1.96	0	15.09	0		0
	Total					69.62	1999.85	sqm	1,39,230
	Supplying and fixing of stainless steel (grade 304) hand railing as per approved drawing with top rail of 50mm dia pipe and 2mm thick medium class and vertical posts of 50mm dia and 2mm thick medium class 1 No for each 2 steps fixed with base plate of 75mm dia using bonding agent and anchor fastner and welding, drilling of 25mm dia holes with pneumatic compressor for fixing railing, buffing, polishing all members of the railing thouroughly, lacquer finishing to present seamless finish including cost and conveyance of all materials, electrodes, welding charges, cost of all consumables, labour charges , overheads & contractors profit etc., complete for finished item of work for Ground Floor (Excluding GST)								
	Handrail At Stage	2	1.1	0	0	2.2	0		0
	Total					2.2	6119.93	rmt	13,464
	Flooring with precast concrete blocks for paving of M-40 grade and thickness not less than 80 mm for Non-traffic areas conforming to IS 15658:2006 only after it is properly cured, cleaned, moistered and where necessary treated with neat grey cement slurry of honey like consistency spred at 3.3 kgs of cement for 1 sqm. and jointed with neat cement paste to full depth, including cost and conveyance of all materials like cement, sand, water, flooring stones etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as dressing of flooring stones to the required sizes, mixing of cement mortar, laying, jointing, curing, lift charges etc., complete for finished item of work. (Excluding GST)								
	At Hand Wash Unit	1	3.35	4	0	13.4	0		0
	Beside Of Kitchen	1	4.65	1.68	0	7.81	0		0
	Between Kitchen Way And Building Way	1	2.5	1.9	0	4.75	0		0
	Between Main Building and Boys Toilet	1	2.3	1	0	2.3	0		0
	Between Stage And Building	1	7.85	1.6	0	12.56	0		0
	Between Stage And New Toilet	1	5.15	1.2	0	6.18	0		0

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	Deduction Of Hand Wash Unit	1	3.14	1.44	0	-4.52	0		0
	Deduction Of Toilet Steps	1	1.15	0.3	0	-0.34	0		0
	Deduction Of Tree	1	1.1	0.9	0	-0.99	0		0
	Infront Of Boys Toilet	1	2.2	1.55	0	3.41	0		0
	Infront Of Girls Toilet	1	4.6	1.6	0	7.36	0		0
	Infront Of Main Building Gate Entrance	1	5	1.85	0	9.25	0		0
	Infront of main gate	1	4.58	4.3	0	19.69	0		0
	Kitchen way	1	12.55	1.7	0	21.34	0		0
	Total					102.2	775.98	sqm	79,305
	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)								
	Half Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same (Excluding GST)								
	Long Edges	2	3.68	0	0	7.36	0		0
	Shorge Edges	2	3.06	0	0	6.12	0		0
	Total					13.48	318	rmt	4,287
	Supply & fixing pre-painted galvalium trepizoidal profile roofing sheets with 0.47mm thickness,coating Alu-zinc coating AZ 150 GSM. Tensile strength : 550 MPA,paint coating : Regular modified polyster painting. Thickness (top) 18-20 microns,(bottom) 5-7microns including C/C of all materials like sheets, J bolts, bitumen washers etc. with or wothout ridge with sales & all other taxes & all labour charges etc. complete for fixing sheets in position. (Excluding GST)								
	Kitchen Roof Sheets	1	5.95	3.45	0	20.53	0		0
	Old Toilet Roof Sheets	1	2.2	2	0	4.4	0		0
	Stage Roof Sheets	1	4.02	4.7	0	18.89	0		0
	Total					43.82	466.91	sqm	20,460
	Supply and Fixing MS Purlins 50mm dia including Labour Charges for fixing complete including cost and conveyance of all materials to site, sales and other taxes, all labour charges etc., complete for finished item of work (Excluding GST)								
	Horizontal Purlins	4	3.9	0	0	15.6	0		0
	Kitchen Inside Room Purlins	3	3.3	0	0	9.9	0		0
	Kitchen Varandah Columns	2	2.7	0	0	5.4	0		0

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	Kitchen Varandah Purlins	2	3.3	0	0	6.6	0		0
	Purlins	2	2.3	0	0	4.6	0		0
	Stage Circular Columns	2	2.7	0	0	5.4	0		0
	Stage Columns	2	2.6	0	0	5.2	0		0
	Verticle Purlins	2	4.4	0	0	8.8	0		0
	Total					61.5	428.4	rmt	26,347
	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)								
	OHSR To Old Toilet	1	10	0	0	10	0		0
	Total					10	89.1	rmt	891
	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[22.20 mm dia CPVC SDR 13.50]. (Excluding GST)								
	Waste Water From Hand Wash To Drain	1	15	0	0	15	0		0
	Total					15	85	rmt	1,275
	Supply & Fixing of 22 dia RCC Cover for manhole with nominal reinforcement 3 thick with hooks for lifting including cost and conveyance of all materials, labour charges etc., complete for finished item of work (Excluding GST)								
	Iron Manhole	3	0	0	0	3	0		0
	Total					3	633	Nos	1,899
	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)								
	Nadu Nedu Name Board Trench Filling	1	3.1	0.68	0.3	0.63	0		0
	Stage Trench Filling	1	3.4	2.8	0.6	5.71	0		0
	Total					6.34	29.54	cum	187
	Drilling holes in hard granite or sheet rock of Pneumatic Compressor with 20 mm dia meter (Excluding GST)								

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	Drilling Of Holes For Name Board Columns	12	0.75	0	0	9	0		0
	Total					9	154	rmt	1,386
	Grouting the holes with neat cement slurry excluding cost of steel with 20 mm dia meter (Excluding GST)								
	Grouting For Circular Holes	12	0.75	0	0	9	0		0
	Total					9	97	rmt	873
	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	72187.78	PERCENT AGE	72,188

Signature of Engineering Assistant

**Signature of FE/AE/AEE
U SRINIVAS**

**Signature of Deputy Executive Engineer
Cherreddi Naveenkumar**

**Signature of Executive Engineer
Kandepu Kedareswara Rao**