

NAME OF THE WORK: - DETAIL BOQ FOR CONSTRUCTION OF 100 SEATED GIRL'S & BOY'S HOSTEL (G+1) FOR GOVT ITI ATHMALIK, ODISHA

Sl.No	DESCRIPTION OF ITEMS	AMOUNT (Rs)		
		SCHEDULED	NON SCHEDULED	SCHEDULE + NON SCHEDULE
1	CIVIL WORK	83979412.99	12880354.80	96859767.79
2	BOUNDARY WALL WORK	2949203.11	0.00	2949203.11
3	PATHWAY WORK	408650.62	221631.97	630282.59
4	ELECTRICAL WORK	0.00	7306128.12	7306128.12
5	FIRE FIGHTING WORK	0.00	3365417.82	3365417.82
6	PH WORK	5607620.07	3633090.58	9240710.64
	TOTAL	9,29,44,886.79	2,74,06,623.28	12,03,51,510.07
				12,03,51,510.00

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Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
		CIVIL WORK						
1	OSR AR 2006 Item No. - 3 SR 2022	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness..	Sqm	2000.00	10.19		20379.63	
2	OSR AR 2006 item no 1a SR 2022	Earth work in excavation IN ALL TYPES OF SOILS by manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) including disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, Sundries, T & P required for the work complete as directed by the Engineer- in- charge.	Cum	1119.58	367.57		411524.02	
3	OSR AR 2006 item no 15 SR 2022	Supplying & Filling foundation trenches , plinth & ditches with clean course river sand well watered and rammed in layers not exceeding 23 c.m. in depth with all lead and lift including cost, conveyance, loading, unloading, stacking,royalties and all taxes of sand,cost & conveyance of water, cost of all Labour,labour ess,T&P required for the work etc. complete in all respect as directed by the Engineer- in- charge.	cum	1065.38	1995.03		2125460.80	
4	OSR AR 2006 item no 3 SR 2022	Providing and laying plain cement concrete of (1:3:6) in foundation and floors using 40mm. size black hard crusher broken granite stone metal and screened and washed sharp sand for mortar of approved quality and from approved quarry including hoisting, lowering, laying concrete, ramming, watering and curing etc. complete including cost, conveyance, royalties and cost of all labours,labour cess, T&P etc complete as per specification & direction of the Engineer-in-charge.	cum	422.30	8186.60		3457202.87	
5	OSR AR 2006 item no 14 SR 2022	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. etc. complete in all respect as directed by the Engineer- in- charge.	cum	335.87	204.26		68604.95	
6	OSR AR 2006 Pg no-163 SR 2022	Disposal of surplus excavated materials by mechanical means from the work side etc. complete. upto 5km. Lead	cum	884.46	328.95		290941.88	
7	NSR	Providing & applying of pre constructional anti-termite treatment by (A)Chemicals The chemical used for the soil treatment shall be of the following with the concentration shown is aqueous emulsion. Imidachloprid 30.5% SC, Doses: 2.1 ml per lit of water (B) Method of Treatment 1.Treatment of Top Surface of Plinth Filling 2.Treatment at Junction of the wall and the floor 3.Treatment of Soil Along External Perimeter of Building 4. Treatment of Soil Surrounding Pipes, Waste and Conduits	sqm	1864.00		191.92		357729.93
8	OSR AR 2006 Concrete Item no. 5 or Centering and Shuttering item no- 10 SR 2022	R.C.C. work of M-25 grade with 20mm and down grade black hard black crusher broken granite stone chips of approved quality from approved quarry including hoisting, lowering, laying and compacting concrete, watering curing, centering, shuttering and finishing the exposed surfaces smooth with cost, conveyance, royalties, taxes of all materials with all labour,labour cess and T & P required for the work etc. complete in all respect but excluding the cost and conveyance of M.S. rods or Tor steel and binding wire of 18 to 20 gauge and labour charges for straightening, cutting, bending, binding and tying the grills and placing in proper position and as per spection and the direction of the Engineer-in-charge.						
9		Foundation & Plinth						
10		Footing & Pedestal	cum	278.79	8900.03		2481245.26	
11		Plinth Beam	cum	130.74	9931.82		1298486.67	
12		Wall	cum	4.02	12996.05		52244.11	
13		Column	cum	17.20	8900.03		153080.55	
14		Ground floor			0.00			
15		Column	cum	56.70	19971.74		1132397.43	
16		Roof Beam	cum	104.22	19971.74		2081454.22	
17		Roof Slab	cum	263.74	17534.21		4624472.55	
18		Stair acse	cum	26.20	19809.13		518999.26	
19		Lintel	cum	27.92	18002.20		502706.91	
20		Sill	cum	17.40	18002.20		313238.26	
21		First floor			0.00			
22		Column	cum	53.02	22421.89		1188808.50	
23		Roof Beam	cum	115.24	22421.89		2583898.49	
24		Roof Slab	cum	257.34	19496.79		5017302.65	
25		Stair acse	cum	26.20	22226.71		582339.91	
26		Lintel	cum	37.72	20058.35		756600.95	
27		Sill	cum	18.72	20058.35		375492.31	
28		Terrace floor			0.00			
29		Column	Cum	25.92	25354.54		657189.68	
30		Roof Beam	cum	17.30	25354.54		438633.54	
31		Roof Slab	cum	22.56	21844.63		492749.32	
32		Lintel	cum	5.72	22518.41		128794.05	
33		Sill	cum	2.42	22518.41		54494.55	
34		Chajja	sqm	5.40	2008.00		10843.20	
35	OSR AR 2006 item no-9 SR 2022	Supplying Cutting, straightening coiled or bent up M.S. Rod or tor steel of primary steel producers such as (grade Fe-500D) etc. including bending, binding, welding and jointing if necessary and tying the grills and placing in position as required for R.C.C. Work and for providing fan hooks as required, hoisting, lowering, laying including cost, conveyances of M.S. Rod or tor steel and binding wires of 18 to 20 gauge and labour required for the work for bending, binding and tying the grills in all floors with labour cess etc. (payment will be made on standard weight of B.I.S. for M.S. Rods or tor steel only) etc. complete as per specification & direction of Engineer-in-charge.						
36		Foundation	Qntl	467.70	10488.31		4905362.55	
37		Ground floor	Qntl	769.25	10488.31		8068180.15	
38		First floor	Cum	793.77	10528.55		8357259.77	
39		Terrace floor	Qntl	134.62	10570.79		1423077.29	
40	OSR AR 2006 item no-3 SR 2022	Fly Ash brick masonry in cement mortar (1:6) in Foundation & Plinth using Fly Ash bricks of 25 x 12 x 8 cm size having a crushing strength of not less than 75 kg./sqcm with dimensional tolerance ± 2% including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance, royalties with all labour,labour cess and T & P required for the work complete in all respect as per specification and direction of Engineer-in-Charge.			0.00			
41		Foundation	cum	70.16	6920.46		485539.75	

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					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
42	OSR AR 2006 item no-3 SR 2022	Fly Ash brick masonry in cement mortar (1:6) in Superstructure using Fly Ash bricks of 25 x 12 x 8 cm size having a crushing strength of not less than 75 kg./sqcm with dimensional tolerance ± 2% including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance, royalties with all labour,labour cess and T & P required for the work complete in all respect as per specification and direction of Engineer-in-Charge.			0.00			
43		Ground floor	cum	368.96	6959.76		2567872.31	
44		First floor	cum	545.96	7415.59		4048616.61	
45		Terrace floor	cum	126.94	7939.39		1007826.67	
46	OSR AR 2006 item no-14 SR 2022	Providing 16 mm thick cement plaster with cement mortar of mix (1:6) with screened and washed sharp sand for mortar and finished smooth to the rough surface of walls in all heights after racking out joints including watering and curing, rounding of corners, providing grooves where ever necessary with cost, conveyance, royalties, with cost of all labour,labour cess, T&P, and scaffolding required for the work etc. complete in all respect and specification and direction of the Engineer in charge. (Outer side plastering)			0.00			
47		Ground floor	sqm	1288.06	344.91		444269.93	
48		First floor	sqm	1042.66	353.29		368363.44	
49		Terrace floor	sqm	856.38	362.02		310030.11	
50	OSR AR 2006 item no-4 SR 2022	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonry walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost,conveyance,loading, unloading, royalties and taxes of all materials,cost of all labour,T&P and scaffolding required for the work etc. as directed by the Engineer-in-charge.			0.00			
51		Ground floor	sqm	4474.12	240.84		1077538.11	
52		First floor	sqm	4810.04	250.28		1203847.19	
53		Terrace floor	sqm	767.54	260.07		199615.66	
54	OSR AR 2006 item no-27 SR 2022	Providing 6 mm thick cement plaster with cement mortar of mix (1:4) with screened and washed sharp sand for mortar and finished smooth to R.C.C. work after closed deep chipping & slurry treatment including watering and curing, rounding of corners, providing grooves where ever necessary with cost, conveyance and royalties of all materials with cost of all labour, T&P, and scaffolding required for the work etc. complete in all respect as directed by the Engineer in charge.			0.00			
55		Ground floor	sqm	1570.10	246.86		387588.61	
56		First floor	sqm	1510.54	252.99		382154.54	
57		Terrace floor	sqm	90.10	259.48		23379.33	
58	OSR AR 2006 item no-1 SR 2022	Priming one coat with water bound wall cement primer.			0.00			
59		Ground floor			0.00			
60		Outer Side	sqm	1288.06	98.88		127368.53	
61		Inner site	sqm	6044.22	98.88		597676.65	
62		First floor			0.00			
63		Outer Side	sqm	1042.66	102.90		107285.54	
64		Inner site	sqm	6320.58	101.36		640666.63	
65		Terrace floor			0.00			
66		Outer Side	sqm	856.38	107.14		91755.98	
67		Inner site	sqm	857.64	103.84		89057.34	
68	OSR AR 2006 item no-2 SR 2022	Finishing plastered surfaces of walls with cement based wall putty (Water based) of approved make and finishing the surface smooth and even by sand papering to receive painting in walls, at all heights with staging wherever necessary with cost, conveyance, all materials, cost of all labour,labourcess, all T&P etc. required for the work complete in all respect as per the direction of the Engineer-in-charge.						
69		Ground floor	sqm	6044.22	101.95		616220.32	
70		First floor	sqm	6320.58	103.13		651854.06	
71		Terrace floor	sqm	857.64	104.19		89360.94	
72	OSR AR 2006 item no-20 SR 2022	Painting two coats with plastic emulsion paint with a approved quality primer to make an even finished surface in all floors and heights to wall surface of approved make and shade including sand papering, applying putty wherever necessary & cost of scaffolding, staging charges with cost, conveyance, cost of all labour,labour cess, T&P etc. complete as per the direction of the Engineer-in-charge.						
73		Ground floor	sqm	6044.22	130.15		786679.41	
74		First floor	sqm	6320.58	132.75		839057.00	
75		Terrace floor	sqm	857.64	135.46		116179.34	
76	OSR AR 2006 item no-20 SR 2022	Wall painting two coats with Weather coat paint (1st quality) exterior grade of approved make & with a approved quality primer to make an even finished surface in all floors and heights with all scaffolding and staging charges including cost, conveyance, cost of all labours, T & P, sundries etc. as required for the work complete in all respect as per the direction of the Engineer-in-Charge.						
77		Ground floor	sqm	1198.16	120.83		144776.07	
78		First floor	sqm	1042.66	125.20		130538.95	
79		Terrace floor	sqm	856.38	129.80		111158.12	
80	OSR AR 2012 item no- 1(B) SR 2022	Providing vitrified tile flooring using vitrified tiles having thickness of 8mm to 10mm conforming to IS 13755 of 600mmx600mm (coloured/printed) of premium quality in floors, treads on steps and landings on 20mm thick bed of cement mortar of mix (1:4) laid in proper slope and gradient with screened and washed sharp sand for mortar and fixing with neat white cement slurry,grouting the joints with neat white cement slurry mixed with required quantities of pigments of approved make to match the shades of the vitrified tile if required , watering and curing for 21 days, including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour,Labour cess , sundries, T&P required for the work, complete in all respect as per specification and direction of Engineer-in-charge.						
81		Ground Floor	sqm	739.85	1742.03		1288835.14	
82		First floor	sqm	1057.89	1758.20		1859982.20	
83	OSR AR 2006 item no- 17 SR 2022	Providing vitrified tile in dado/ skirting using vitrified tiles having thickness of 8mm to 10mm conforming to IS 13755 of 600mmx600mm, (coloured/printed) in dado/ skirting,riser of steps,wall on on 12mm thick bed of cement mortar of mix (1:3) laid in proper slope and gradient with screened and washed sharp sand for mortar and fixing with neat white cement slurry,grouting the joints with neat white cement slurry mixed with required quantities of pigments of approved make to match the shadesof the vitrified tile if required watering and curing for 21 days, including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour, Labour cess ,sundries, T&P required for the work, complete in all respect as per specification and direction of Engineer-in-charge.						
84		Ground Floor	sqm	105.47	1832.19		193247.99	
85		First floor	sqm	143.54	1856.61		266505.51	

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					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
86	OSR AR 2012 item no- 1(B) SR 2022	Providing Granite stone matt finished 20mm thick of area above 0.40 Sqm in flooring of approved quality, colour and size in floors, treads on steps and landings in all floors at all height on 20mm thick bed of cement mortar of mix (1:4) laid in proper slope and gradient with screened and washed sharp sand for mortar and fixing with neat white cement slurry,grouting the joints with neat white cement slurry mixed with required quantities of pigments of approved make to match the shades of the granite tile if required watering and curing for 21 days, including edge moulding at required places including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour, Labour cess ,sundries, T&P required for the work etc. complete in all respect as per specification and direction of Engineer-in-charge.						
87		Ground floor	sqm	221.22	3665.08		810789.00	
88		First floor	sqm	82.96	3681.25		305396.17	
89	OSR AR 2006 item no- 17 SR 2022	Providing Mat finished Granite stone prepolished 10mm thick of area above 0.40 Sqm in dado/skirting,riser of steps of approved quality, colour and size in dado/ skirting,riser of steps,wall on 12mm thick bed of cement mortar of mix (1:3) and laid in proper plumb and line with screened and washed sharp sand for mortar and fixing with neat white cement slurry,grouting the joints with neat white cement slurry mixed with required quantities of pigments of approved make to match the shades of the granite tile if required watering and curing for 21 days, including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour, Labour cess ,sundries, T&P required for the work etc. complete in all respect as per specification and direction of Engineer-in-charge.						
90		Ground floor	sqm	71.18	3816.47		271648.99	
91		First floor	sqm	37.42	3840.78		143729.74	
92	OSR AR 2012 item no- 1(B) SR 2022	Providing 16mm. thick finished kota stone flooring using kota stone of approved quality, colour and size above 0.10 sqm in floors, treads on steps and landing on 20mm. thick bed of cement mortar mix of (1:4) with screened and washed sharp river sand for mortar and cement of approved quality, grouted with neat white cement slurry laid in proper slope joining the Kota stone with neat white cement slurry mixed with required quantity of pigment of approved marks to match the shades of the kota stone to kota colour if required, watering and curing for the required period , including cost, conveyance, loading, unloading, royalties, and taxes of all materials, cost of all labour, sundries, T&P required for the work including cost of rubbing mechanically and wax polishing etc complete in all floors at all height in all respect as directed by the Engineer-in-charge.						
93		Ground floor	sqm	590.32	1867.47		1102403.71	
94	OSR AR 2006 item no- 17 SR 2022	Providing 16mm. thick finished kota stone in dado/skirting using kota stone slab above 0.10 sqm of approved quality, colour and size in dado, risers of steps on 12mm. thick bed of cement mortar mix of (1:3) with screened and washed sharp river sand for mortar and cement of approved quality, grouted with neat white cement slurry laid in proper slope mixed with required quantity of pigment of approved marks to match the shades of the kota tiles to kota colour if required, watering and curing for thr required period, including cost, conveyance, loading, unloading, royalties, and taxes of all materials, cost of all labour, sundries, T&P required for the work including rubbing mechanically and wax polishing etc. in all floors at all height complete in all respect as directed by the Engineer-in-charge.						
95		Ground floor	sqm	87.70	2169.19		190238.31	
96	OSR AR 2012 item no- 1(B) SR 2022	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm x 300 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 20 m.m thick bed of cement mortar of mix (1:4) and Spacer Bar of 3mm laid in proper slope and gradient with screened & washed sharp river sand for mortar and fixing with neat white cement slurry,grouting the joints with neat white cement slurry mixed with required quantities of pigments (Tiles are to be immersed in the water for required time before use) of approved make to match the shades of the Ceramic Floor Tiles if required including cost, conveyance, loading, unloading, stacking, royalties , all taxes,rubbing, cost of all Labour, Labour cess ,Sundries, T&P required for the work , Watering , Curing for required days , cleaning the flooring space manually etc. complete in all respect as directed by the Engineer-in-charge.						
97		Ground floor	sqm	125.25	1405.26		176014.69	
98		First floor	sqm	236.72	1421.55		336508.37	
99	OSR AR 2006 item no- 17 SR 2022	Supplying, fitting & fixing of 400 x 400 mm special plain/printed series Ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753 laid on 10 mm thick cement mortar (1:3) Spacer Bar of 3mm (1 cement : 3 course sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge.						
100		Ground floor	sqm	412.19	1491.17		614640.73	
101		First floor	sqm	532.56	1515.47		807080.83	
102	OSR AR 2012 item no- 1(B) SR 2022	Supplying, fitting & fixing of Industrial vitrified tiles (30x30)cm in floors of approved laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with slurry including cost of all materials, labour T&P etc required for the work all complete as per direction of the Engineer-in-charge .						
103		Ground floor	sqm	134.14	1565.15		209947.61	
104	NSR	Factory made Solid WPC door frame of size 95mmx55mm fabricated .The door frame consist of four segments which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screw. The WPC frame shall be provided with The material and process for manufacturing the door frames shall conform to Relavent I.S.specification. The finish of door frame will be plain colour white/ Ivory/ Beige/ Light grey/ Golden brown/Mahogany/ Teak wood/sand stone/Champagne/Pastel blue or any other colour using high quality pigments complete in all respect as per specification and direction of the Engineer in charge.						
105		Ground floor	Rmt	219.00		1314.87		287957.41
106		First floor	Rmt	203.60		1314.87		267708.35
107		Terrace floor	Rmt	12.21		1314.87		16054.61
108	NSR	Supplying, fitting and fixing of 32mm thick flush door shutter with approved quality of 30mm thick BWR block board pasted with 1mm thick sumnica on both side of approved design and quality including cost of all door fittings and fixtures etc. complete in all respect as per the direction of the Engineer-in-Charge.				0.00		
109		Ground floor	Sqm	107.10		12588.24		1348200.50
110		First floor	Sqm	92.40		12588.24		1163153.38
111		Terrace floor	Sqm	11.34		12588.24		142750.64

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112	NSR	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.				0.00		
113		Ground floor	Sqm	44.10		3574.63		157641.09
114		First floor	Sqm	81.90		3574.63		292762.02
115	NSR	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.				0.00		
116		Ground Floor	Rmt	138.60		711.47		98609.18
117		First floor	Rmt	257.40		711.47		183131.33
118	NSR	Aluminium hanging floor door stopper with twin rubber & stopper				0.00		
119		Ground Floor	Each	76.00		79.64		6052.64
120		First floor	Each	76.00		79.64		6052.64
121	NSR	System Aluminum Sliding Windows - Single Glazed (With MESH): Providing and fixing System Aluminum works for Sliding windows with 50mm &35mm visible aluminum section width in the center mullion. The extruded aluminums sections should be made from Grade 6063-T5 & Anodized with Tex guard coating, silicon coated to suit marine atmosphere. All profiles should be None insulated Profiles. Corner connection will be Butt joint with Screw using Nano gaskets for sealing. All other major Accessories should also be made by the same manufacture. All Slider windows will be center locking. Integrated Anti-lift in slider panel, EPDM gaskets should be used in slider windows in all meeting points instead of Brush Pile. Frame width shall be 72 mm for 3 track (2 Glazed panels and 1 Mesh panel track provision) with +/- 2mm maximum tolerance. Provision of mesh track must be inbuilt in the offered system. Allmaterials which are used should be corrosion-resistant so that they are good functioning in different environments and that there are no negative influences either on the aluminum or on the surface treatment.The system should allow the application of glazing or panels with thickness up to 8mm. The external perimeter of aluminum sections should be Anodized with Tex guard coating. the system should qualify Airtightness ASTM E283: 10.7m3/h.m2 at 75Pa of pressure, Water tightness ASTM E300: 240 Pa, Wind load resistance ASTM E330: 2400 Pa. System should have a10 year warranty on properties, functionality and design, within restrictions defined by technical specifications of anodizing &1 year warranty on wearing parts only applies to normal and realistically foreseeable use. All Slider windows will be center locking.				0.00		
122		Ground Floor	sqm	90.72		22125.00		2007180.00
123		First floor	sqm	97.20		22125.00		2150550.00
124		Terrace floor	sqm	6.48		22125.00		143370.00
125	NSR	System Aluminum fixed cum louvoured ventilators – Single Glazed Providing and fixing System Aluminum fixed cum louvoured ventilators – Single Glazed with 50mm & 35mm visible aluminum section width in the center mullion. The extruded aluminums sections should be made from Grade 6063-T5 & Anodized with Tex guard coating, silicon coated to suit marine atmosphere. All profiles should be None insulated Profiles. Corner connection will be Butt joint with Screw using Nano gaskets for sealing. All other major Accessories should also be made by the same manufacture. in all meeting points instead of Brush Pile. All materials which are used should be corrosion-resistant so that they are good functioning in different environments and that there are no negative influences either on the aluminum or on the surface treatment. The system should allow the application of frosted glazing or panels with thickness up to 8mm. Part will be fixed, part will be louvered. The external perimeter of aluminum sections should be Anodized with Tex guard coating, the system should qualify Airtightness ASTM E283: 10.7m3/h.m2 at 75Pa of pressure, Water tightness ASTM E300: 240 Pa, Wind load resistance ASTM E330: 2400 Pa. System should have a 10-year warranty on properties, functionality and design, within restrictions defined by technical specifications of anodizing & 1-year warranty on wearing parts only applies to normal and realistically foreseeable use. All Slider windows will be center locking .				0.00		
126		Ground Floor	sqm	20.16		6678.80		134644.61
127		First floor	sqm	21.60		6678.80		144262.08
128	NSR	Toilet /Sunken Providing and applying Single component synthetic rubber, AquaArm Saniflex based coating with a coverage of 1.2 kg /m2 over primer surface with AquaArm Uniprime GE .The coating shall be taken upto 300mm from finished floor level on the vertical walls. The coating shall have an elongation of a minimum of 80% when tested as per ASTM D 412 and tensile strength of 1 N/mm2. Thorough surface preparation by mechanical means to level and plain the surface of walls and floors of the toilet areas. All cracks and crevices to be filled and made good to receive waterproofing coating treatment The coating shall cover all the floor area of the wet area (toilet) and be applied over on to the vertical walls minimum 300mm height above the floor in two or more coats to achieve required thickness. Protective Plaster: Providing and laying avg. 15 mm thick, CM 1:4 plaster admixed with , Integral Waterproofing Compound @ 200 ml / bag of cement. (cement and sand shall be supplied by the main contractor Pipes being fixed for plumbing shall be fixed in holes which are mechanically core cut, more than the dia of the pipes. Pipes shall be fixed by grouting the annular space with non-shrink cementitious grout of proprietary . Before grouting the pipes shall be wrapped with a waterproofing fleece material at least 50 mm wide and then grouted to fill in the grout, ensuring total watertight plumbing fittings. Contractor shall submit methodology statement with all detail in illustrative sketch form and get approved from Engineer in charge. Application shall be carried out by approved applicator of manufacture and as per recommended by manufacturer. Actual applied area (plan area + wall area) of toilet/ sunken shall be measured for payment. Cost includes all material (for surface preparation, coating and hole packing), labour, T&P, wastage involved as mentioned in the item				0.00		
129		Ground Floor	sqm	125.26		764.64		95778.81
130		First floor	sqm	236.72		764.64		181005.58

NAME OF THE WORK: - DETAIL BOQ FOR CONSTRUCTION OF 100 SEATED GIRL'S & BOY'S HOSTEL (G+1) FOR GOVT ITI ATHMALIK, ODISHA								
Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
131	NSR	TERRACE WATERPROOFING Surface Preparation: Mechanically grinding the surface to remove the bitumen primer from the surface including sealing of cracks if any with epoxy putty/ SBR Latex. Treatment of Pipe Penetration: Providing and sealing the gaps in the core cuts around PVC pipes treated with epoxy bonding agent & sprinkled sand; using Armgrout M 65 non shrink grout followed by sealing of the same joint by using 2 coats of waterproofing coating & SealArm Joint Tape. Coving: Providing and making coving 50mm*50mm at the junction of slab and vertical offsets with Cement Mortar 1:3 and admixed with ReArm SBR 45 at dosage of 1ltr per 50kg cement. (cement and sand shall be in the scope client) Application of Primer: Apply Epoxy based primer AquaArm Primer PUDC over well prepared surface at 250-300 gm/Sq.Mtr. Waterproofing Coating: Providing and applying single component moisture cured waterproofing coating to sound, moisture free concrete surface with AquaArm SPU SPL. Application of waterproofing coating @ recommended consumption of 1.5 kg/sqm for total average system thickness of 1 mm in two coats using Roller, all complete as per manufacturer's methodology. Membrane Termination shall be done at 300 mm above FFL or as per site conditions using 8mm * 8mm groove and filling with PU sealant,. Payment shall be made as per actual area of measurement. For vertical exposed areas, where plastering is to be done, sand shall be sprinkled over the tacky final coat of sealer coat on vertical surface. Later after final curing, plastering should be done. The membrane formed shall confirm to following minimum properties: 1) Solid Content : > 90% 2) Tensile strength : > 2 Mpa				0.00		
132		Terrace floor	sqm	1864.00		1239.00		2309496.00
133	OSR AR 2006 SR 2022	Supplying and Fixing of M.S. Window Grill made out of M.S Flat conforming to IS 2062/2006 painted with Red Oxide Primer as per the design approve by E.I.C including cost,conveyance of all materials,priming,and labour for fitting fixing etc.complete as per the instruction of Engineer-in-Charge						
134		Ground Floor	kg	3326.40	94.23		313462.64	
135		First floor	kg	3679.20	94.23		346708.68	
136		Terrace floor	kg	669.60	94.23		63099.62	
137	OSR AR 2006 Item-3 SR 2022	Painting two coat with approved synthetic enamel paint to new wood & iron work including cost, conveyances, royalties of all materials and cost of all labour with T&P required for the work etc. complete as per specification & direction of Engineer in charge.			0.00			
138		Ground Floor	sqm	68.04	226.32		15399.08	
139		First floor	sqm	71.22	231.99		16522.19	
140		Terrace floor	sqm	12.15	237.89		2890.34	
141	OSR AR 2012 item-11 SR 2022	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in stair case as per approved design and specification, buffing, polishing etc with cost, conveyance, cost of all labour,labour cess, T&P etc. required for the work complete in all respect as per direction of the Engineer-in-charge.			0.00			
142		Ground Floor	kg	2394.02	361.20		864715.24	
143		First floor	kg	1300.12	361.20		469600.74	
144	NSR	Expansion joint Treatment Surface Preparation: The area to be treated should be cleaned thoroughly with mechanical means especially for structure. For new surfaces grinding, vacuum cleaning will be sufficient and it should be ensured that the substrate is clean fine pored and free from any loose particles, dust laitance, mould release agents & curing compounds etc. Use suitable methods to prepare the substrate dependent on its condition such as brushing, grinding milling, shot-blasting and water jetting. Providing and applying High performance Expansion joint Sealing system,600mm x 250mm as per roll size of SealArm Tape TPE and fixing it with Epoxy adhesive ReArm Bond 4031, allows irregular and high movement in more than one direction, whilst maintaining a high quality seal, mixing by mechanical means of ReArm Bond 4031, Applying on both sides of the joint and Fixing of tape over joint as per suitable mentioned width of the tape, and complete work as per manufacturer's specification. The tape should be not fixed at the junction to allow free movement. The termination of the membrane on the parapet wall shall be done with epoxy adhesive as same on the horizontal slab. The Parameters for Treatment are as follows: Shore A Hardness Approx. : 87 Tear Resistance-length wise(DIN EN 12311-2 Method B): >12.5 N / m Elongation at break (DIN EN 12311-2 Method B): >500% Tearing Resistance(nail shank) length wise (DIN EN 12310 -1): >200N Water vapour permeability (DIN EN 1931 Method B): >40 m.						
145		Ground Floor	sqm	234.96		2950.00		693132.00
146		First floor	sqm	234.96		2950.00		693132.00
147	OSR AR 2006 item no-17 SR 2022	2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C						
148		Terrace floor	sqm	1864.00	584.93		1090302.06	
149		BOUNDARY WALL WORK					83979412.99	12880354.80
150	OSR AR 2006 item no 1a SR 2022	Earth work in excavation of foundation trenches in ordinary soil including dressing of sides and levelling the bed up to the required depth and depositing the excavated materials away from the work site within 50m initial lead & 1.5m initial lifts with sundries & T&P required for the work complete including cost of all labour,labour cess,T&P,sundries etc. as directed by the Engineer in charge.						
151		Ordinary soils.	Cum	235.46	367.57		86548.03	
152	OSR AR 2006 item no 14 SR 2022	Filling in foundation trenches and plinth, with excavated earth including laying the earth in layers not exceeding 23.5 cm thick ramming & watering with all leads & lifts including cost of all labour,T&P completed as directed by the Engineer-in-charge.						
153		Ground Floor (Compound Wall)	Cum	157.76	204.26		32223.74	
154	OSR AR 2006 item no 15 SR 2022	Supplying and filling in foundation and plinth with good quality river sand including watering, ramming with cost, conveyances, royalties of all materials and cost of all labour with T&P required for the work etc. complete as per specification & direction of Engineer-in-charge						
155		Ground Floor (Compound Wall)	Cum	26.28	1995.03		52429.28	

NAME OF THE WORK: - DETAIL BOQ FOR CONSTRUCTION OF 100 SEATED GIRL'S & BOY'S HOSTEL (G+1) FOR GOVT ITI ATHMALIK, ODISHA								
Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
156	OSR AR 2006 item no 3 SR 2022	Providing and laying plain cement concrete of (1:3:6) in foundation and floors using 40mm. size black hard crusher broken granite stone metal and screened and washed sharp sand for mortar of approved quality and from approved quarry including hoisting, lowering, laying concrete, ramming, watering and curing etc. complete including cost, conveyance, royalties and cost of all labours,labour cess, T&P etc complete as per specification & direction of the Engineer-in-charge.						
157		Ground Floor (Compound Wall)	Cum	17.52	8186.60		143429.30	
158	OSR AR 2006 item no-3 SR 2022	Fly Ash brick masonry in cement mortar (1:6) in foundation & plinth using Fly Ash bricks of 23 x 11 x 8 cm size having a crushing strength of not less than 75 kg./sqcm with dimensional tolerance ± 2% including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance, and royalties of all materials with all labour,labour cess and T & P required for the work complete in all respect as per direction of Engineer-in-Charge						
159		Ground Floor (Compound Wall)	Cum	13.65	6920.46		94464.33	
160	OSR AR 2006 item no-3 SR 2022	Fly Ash brick masonry in cement mortar (1:6) in super structure using Fly Ash bricks of 23 x 11 x 8 cm size having a crushing strength of not less than 75 kg./sqcm with dimensional tolerance ± 2% including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance, royalties and taxes of all materials with all labour,labour cess and T & P required for the work complete in all respect as per direction of Engineer-in-Charge.						
161		Ground Floor (Compound Wall)	Cum	83.72	6959.76		582670.94	
162	OSR AR 2006 Concrete Item no. 5 or Centering and Shuttering item no-10 SR 2022	Providing, lifting, hoisting and laying Reinforced cement concrete of M-25 grade as per approved designs and drawings having a minimum compressive strength (in work test) 250 Kg. / Square cm. in 15 cm. cubes at 28 days after mixing and test conducted in accordance with I.S. 516 using 12 mm. to 20 mm. size black hard crushed broken granite stone chips and screened and washed sharp sand for mortar of approved quality from approved quarry, washed and cleaned (20mm. size chips not to exceeds 25 %) to be mixed in concrete mixture with Portland slag cement (PSC) including hoisting, lowering, laying and compaction concrete by using vibrators, watering and curing for 28 days, centering and shuttering then after dismantling and removing debris from the work site and finishing the exposed surface smooth providing grooves or beads wherever necessary including cost, conveyance, loading, unloading, royalties and taxes of all materials and cost of all labours, sundries, T & P required of the work etc. complete in all respect as directed by the Engineer-in-Charge. But excluding cost and conveyance of M.S. rods or Tor steel and binding wires and labour charges for straightening, cutting, bending etc. of M.S. rods or tor steel tying the grills and placing in proper position.						
163		A)Footing	Cum	26.21	8900.03		233269.84	
164		b) Column up to plinth	Cum	4.27	19971.74		85279.31	
165		c)Tie Beam :-	Cum	13.65	9931.82		135569.40	
166		d)Column up to 1.88m lvl :-	Cum	6.83	19971.74		136406.96	
167		e)Coping at top of compound wall	Cum	5.46	19971.74		109045.68	
168	OSR AR 2006 item no-9 SR 2022	Supplying Cutting, straightening coiled or bent up M.S. Rod or tor steel of primary steel producers such as SAIL / TATA / RINL / JINDAL STEEL / SHYAM STEEL/ SEL Tiger (grade Fe-500D) etc. including bending, binding, welding and jointing if necessary and tying the grills and placing in position as required for R.C.C. Work and for providing fan hooks as required, hoisting, lowering, laying including cost, conveyances of M.S. Rod or tor steel and binding wires of 18 to 20 gauge and labour required for the work for bending, binding and tying the grills in all floors with labour cess etc. (payment will be made on standard weight of B.I.S. for M.S. Rods or tor steel only) etc. complete as per specification & direction of Engineer-in-charge.						
169		Gr. Floor	Qntl	80.70	10488.31		846406.78	
170	OSR AR 2006 item no-4 SR 2022	Providing 12 mm thick cement plaster with cement mortar of mix (1:6) with screened and washed sharp sand for mortar and finished smooth to the rough surface of walls in all heights after racking out joints including watering and curing, rounding of corners, providing grooves where ever necessary with cost, conveyance, royalties of all materials with cost of all labour,labour cess, T&P, and scaffolding required for the work etc. complete in all respect as directed by the Engineer in charge.						
171		Gr. Floor(Compound Wall)	Sqm	364.00	240.84		87665.03	
172	OSR AR 2006 item no-27 SR 2022	Providing 6 mm thick cement plaster with cement mortar of mix (1:4) with screened and washed sharp sand for mortar and finished smooth to R.C.C. work after closed deep chipping & slurry treatment including watering and curing, rounding of corners, providing grooves where ever necessary with cost, conveyance, royalties and taxes of all materials with cost of all labour, T&P, and scaffolding required for the work etc. complete in all respect as directed by the Engineer in charge.						
173		Gr. Floor(Compound Wall)	Sqm	136.50	246.86		33695.84	
174	OSR AR 2006 item no-14 SR 2022	Providing 16 mm thick cement plaster with cement mortar of mix (1:6) with screened and washed sharp sand for mortar and finished smooth to the rough surface of walls in all heights after racking out joints including watering and curing, rounding of corners, providing grooves where ever necessary with cost, conveyance, royalties of all materials with cost of all labour,labour cess, T&P, and scaffolding required for the work etc. complete in all respect as directed by the Engineer in charge.						
175		Gr. Floor(Compound Wall)	Sqm	364.00	344.91		125548.70	
176	OSR AR 2006 item no-1 SR 2022	Priming one coat with wall cement primer (water bound) to make an even finished surface in all floors and heights to wall surface of approved make and shade including sand papering, applying putty wherever necessary & cost of scaffolding, staging charges with cost, conveyance, cost of all labour,labour cess T&P etc. complete as per the direction of the Engineer-in-charge. (Make: Asian/ Berger/ Dulux/ ICI or equivalent make duly approved by Engineer-in-Charge)						
177		Gr. Floor(Compound Wall)	Sqm	500.50	98.88		49491.44	
178	OSR AR 2006 item no-20 SR 2022	Wall painting two coats with Antifungal weather coat paint (1st quality) exterior grade of approved make & approved shade over a coat of primer to make an even finished surface in all floors and heights with all scaffolding and staging charges including cost, conveyance, cost of all labours, T & P, sundries etc. as required for the work complete in all respect as per the direction of the Engineer-in-Charge. (Make: Asian/ Berger/ Dulux/ ICI or equivalent make duly approved by Engineer-in-Charge)						
179		Gr. Floor(Compound Wall)	Sqm	500.50	120.83		60476.42	
180	OSR AR 2006 SR 2022	Supplying and Fixing of M.S. Grills, M.S.Door, M.S. Gate etc including cost,conveyance of all materials,priming,and labour for fitting fixing etc.complete as per the instruction of Engineer-in-Charge	Kg.	560.00	94.23		52771.49	

NAME OF THE WORK: - DETAIL BOQ FOR CONSTRUCTION OF 100 SEATED GIRL'S & BOY'S HOSTEL (G+1) FOR GOVT ITI ATHMALIK, ODISHA								
Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
181	OSR AR 2006 item-3 SR 2022	Painting two coat with approved synthetic enamel paint to new iron work over a coat of Red oxide primer including cost, conveyances, royalties, taxes of all materials and cost of all labour with T&P required for the work etc. complete as per specification & direction of Engineer in charge.	Sqm	8.00	226.32		1810.59	
							2949203.11	0.00
182		PATHWAY						
183	OSR AR 2006 item no 1a SR 2022	Earth work in excavation stoney earth and gravel mixed with stone by manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) including disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, Sundries, T & P required for the work complete as directed by the Engineer- in- charge.	cum	146.61	367.57		53889.44	
184	OSR AR 2006 item no 37 SR 2022	Loosening, Leveling & Compacting original ground supporting embankment to faciliate placement of first layer of embankment, scarified to a depth 150mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in Table 300-2 for embankment construction. (A/R 2006, Pg-158, Item no 37)	cum	43.98	25.25		1110.58	
185	OSR AR 2006 item no 39 SR 2022	Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete as per Clause 401 of MoSRT&H Specifications for Road & Bridge works (4th Revision)	cum	32.58	2718.60		88572.05	
186	OSR AR 2006 item no 15 SR 2022	Supplying & Filling foundation trenches , plinth & ditches with clean course river sand well watered and rammed in layers not exceeding 23 cm. in depth with all lead and lift including cost, conveyance, loading, unloading, stacking,royalties and all taxes of sand,cost & conveyance of water, cost of all Labour,labour cess,T&P required for the work etc. complete in all respect as directed by the Engineer- in- charge.	cum	32.58	1995.03		64997.95	
187	OSR AR 2006 item no 3 SR 2022	Providing and laying plain cement concrete of proportion (1:3:6) in foundation and floors using 4 cm. size black hard crusher broken granite stone metal and screened and washed sharp sand for mortar of approved quality and from approved quarry including hoisting, lowering, laying concrete, ramming, watering and curing etc. complete to required levels laid in layers not exceeding 15 cm. thick in each layer including cost, conveyance, royalties and cost of all labours,labour cess, T&P etc complete as per specification & direction of the Engineer-in-charge.	cum	24.44	8186.60		200080.60	
188	NSR	Providing & laying of 80mm thick factory made cement concrete interlocking paver block of M-40 grade & approved make, varity, colour & size made by Block making machine with strong vibratory compaction of approved design & shape laid in required colour & pattern over 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete including cost, Conveyance, royalty, taxes of all materials, labour T&P etc, complete as per direction of Engineer-in-charge.	cum	162.90		1360.54		221631.97
							408650.62	221631.97
189		ELECTRICAL WORK						
190	NSR	Recessed wiring to light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor of ISI marked of Approved Make with 20 mm dia HMS FRLS PVC conduit ISI marked of Approved Make 6A modular type (anti bacterial & flame retradant type) switch ISI marked Approved Make and ceiling rose ISI marked of modular type G.I box with metallic cover plate (both side) (anti bacterial & flame retradant type) Approved Make of suitable size, modular box with 1.5 sq. Mm FRLS PVC insulated single core multistandard copper conductor as earth wire including all accessories and connection as per direction of Engineer -in - Charge.						
191		GROUP-A	Nos	100.00		732.78		73278.00
192		GROUP-B	Nos	112.00		1090.32		122115.84
193		GROUP-C	Nos	115.00		1544.62		177631.30
194	NSR	Supplying ,fixing of 6A Plug on the same board in existing switch board with complete fitting by 01 no of 6A switch & socket (modular type & other required accessories of ISI marked as approved as per direction of Engg.-in -Charge.	Nos	20.00		231.28		4625.60
195	NSR	Supplying,fixing of 6A Plug on the separate board with complete fitting by 01 no of 6A switch & socket(modular type) (anti bacterial & flame retradant type) with suitable size modular box & cover including supplying of all required accessories of ISI marked as approved as per direction of engg-in-charge.	Nos	58.00		653.72		37915.76
196	NSR	Supplying,fixing of 1x16A Plug on the separate board with complete fitting by 01 no of 16A switch & socket(modular type) (anti bacterial & flame retradant type) with suitable size modular box & cover including supplying of all required accessories of ISI marked as approved as per direction of engg-in-charge.	Nos	94.00		815.38		76645.72
197	NSR	Supplying,fixing of 3x6A+1X1 6A Plug on the separate board with complete fitting by 01 no of 16A+3 nos 6A switch & socket(modular type) (anti bacterial & flame retradant type) (with suitable size modular box & metallic cover plate (both side)including supplying of all required accessories of ISI marked as approved as per direction of engg-in-charge. (For equipement power). (Maximum 02 nos point in one circuit).	Nos	160.00		2242.00		358720.00
198	NSR	Supplying and installation of AC Point having 16-20A DP MCB, C series with enclosure of approved make of suitable size as required as per direction of Engg.-in- Charge .	Nos	18.00		2537.00		45666.00
199	NSR	Supplying and fixing 32 amps, 240 volts, SPN, industrial type socket outlet, with 2 pole and earth metal enclosed plug top along with 32 amps. C-series, SP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet, and complete with connections, testing and commissioning etc. as required as per direction of Engg.-in-Charge. ISI marked as approved.	Nos	12.00		3717.00		44604.00
200		CIRCUIT & SUBMAIN				0.00		
201	NSR	Recess wiring for circuit/submain wiring with the following mentioned size PVC FRLS insulated, copper conductor, single core cable of approved make in recessed HMS FRLS PVC conduit of mentioned size as required as per direction of Engg.-in- Charge. 2 nos single core 1.5 sq. mm copper wire for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuity conductor. In 20 mm dia non metallic heavy duty conduit (6ASB to LOOP SB/SECONDARY SB)(2X1.5+1X1.5)	Mtr	1650.00		189.98		313467.00
202	NSR	Recess wiring for circuit/submain wiring with the following mentioned size PVC FRLS insulated, copper conductor, single core cable of approved make in recessed HMS FRLS PVC conduit of mentioned size as required as per direction of Engg.-in- Charge. 2 nos single core 2.5 sq. mm copper wire for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuity conductor in 20 mm dia non metallic heavy duty conduit.(BDB to LSB/LIGHT CKT/5A PLUG) (2X2.5+1X1.5)	Mtr	3056.00		206.50		631064.00
203	NSR	Recess wiring for circuit/submain wiring with the following mentioned size PVC FRLS insulated, copper conductor, single core cable of approved make in recessed HMS FRLS PVC conduit of mentioned size as required as per direction of Engg.-in- Charge. 2 nos single core 4 sq. mm copper wire for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuity conductor in 20 mm dia non metallic heavy duty conduit .(PDB to PSB/ POWER POINT/AC POINT) (2X4+1X1.5)	Mtr	560.00		227.74		127534.40

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Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
204	NSR	Recess wiring for circuit/submain wiring with the following mentioned size PVC FRLS insulated, copper conductor, single core cable of approved make in recessed HMS FRLS PVC conduit of mentioned size as required as per direction of Engg.-in-Charge. 2 nos single core 6 sq. mm copper wire for phase and neutral and 01 no of single core 2.5 sq. mm copper wire for earth continuity conductor in 25 mm dia non metallic heavy duty conduit .(LFDB TO LBDB/UBDB) (2X6+1X2.5)	Mtr	300.00		264.32		79296.00
205	NSR	Recess wiring for circuit/submain wiring with the following mentioned size PVC FRLS insulated, copper conductor, single core cable of approved make in recessed HMS FRLS PVC conduit of mentioned size as required as per direction of Engg.-in-Charge. 4 nos single core 6 sq. mm copper wire for phase and neutral and 02 nos of single core 4 sq. mm copper wire for earth continuity conductor in 32 mm dia non metallic heavy duty conduit.(LFDB TO LBDB) (4X6+2X2.5)	Mtr	204.00		378.78		77271.12
206	NSR	Recess wiring for circuit/submain wiring with the following mentioned size PVC FRLS insulated, copper conductor, single core cable of approved make in recessed HMS FRLS PVC conduit of mentioned size as required as per direction of Engg.-in-Charge. 4 nos single core 10 sq. mm copper wire for phase and neutral and 02 nos of single core 6 sq. mm copper wire for earth continuity conductor in 32 mm dia non metallic heavy duty conduit .(PFDB TO PBDB power) (4X10+2X4)	Mtr	206.00		528.64		108899.84
207	NSR	Recess wiring for circuit/submain wiring with the following mentioned size PVC FRLS insulated, copper conductor, single core cable of approved make in recessed HMS FRLS PVC conduit of mentioned size as required as per direction of Engg.-in-Charge. 4 nos single core 16 sq. mm copper wire for phase and neutral and 02 nos of single core 6 sq. mm copper wire for earth continuity conductor in 32 mm dia non metallic heavy duty conduit .(PFDB TO PBDB/ACDB power) (4X16+2X10)	Mtr	210.00		783.52		164539.20
208		Sub-Head II (Light fitting Fixture & Fan)				0.00		
209	NSR	Supplying, installation, testing and commissioning of energy efficient LED tube light fittings with decorative aluminium batten and LED tube light having power rating not more than 20 watt and lumen output not less than 2200 lumen complete with electronic driver and all other accessories with diffuser having 2 years warranty i/c connection etc as required of approved make as per direction of Engg.-in-Charge.	Nos	150.00		859.04		128856.00
210	NSR	Supplying and fixing of Energy efficient surface /recess mounted square /round shape 18 W LED luminaire of dimension of consists of white powder coated , die-cast Aluminium housing with high quality frosted diffuser for glare-free uniform lighting distribution with wattage not more than 18 watt and lumen output of 1800 lumens , CRI not less than 80,CCT of 6000 degree K,THD less than 10%, with electronic driver, internal surge protection of 3 KV , L70 B50: 50000 hrs and all other accessories suitable for operation on 220 V to 240 V supply as required of approved make as per direction of Engg.-in-Charge.	Nos	160.00		1817.20		290752.00
211	NSR	Supplying and fixing of Energy efficient surface /recess mounted square /round shape 12 W LED luminaire of dimension of consists of white powder coated , die-cast Aluminium housing with high quality frosted diffuser for glare-free uniform lighting distribution with wattage not more than 12 watt and lumen output of 1200 lumens , CRI not less than 80,CCT of 6000 degree K,THD less than 10%, with electronic driver, internal surge protection of 3 KV , L70 B50: 50000 hrs and all other accessories suitable for operation on 220 V to 240 V supply as required of approved make as per direction of Engg.-in-Charge.	Nos	50.00		2220.76		111038.00
212	NSR	Supplying and fixing of Energy efficient recessed mounted LED luminaire made up of CRCA powder coated housing, bottom opening clean room LED luminaire of 600 X 600 x 65 mm size with of 36 W and system lumens output not less than 3600 lumens , IP65 ,dust free & zero maintenance , anti glare high transmittance PMMA diffuser , operating voltage range 150-265 V, high performance potentiometric electronic driver for zero maintenance , 2.5 KV internal surge protection, L70 B 50: 50,000 hrs., CRI not less than 80, CCT of 5700-6500 degree K, THD less than 10%, IP 65 protection complete with all other accessories suitable for operation on 230 V, 50 Hz supply as required as per direction of Engg.-in-Charge.	Nos	30.00		7493.00		224790.00
213	NSR	Supplying and fixing of Energy efficient Recess /Surface mounted square/round shaped LED luminaire made up of CRCA powder coated sheet steel of 25W (2'x2') 595mmx595mmx70mm and system lumens output not less than 3250 lumens (130 lm/ wt) with diffusers for better light transmission and pure effect with High luminous flux LEDs for better light output, CRI not less than 80, CCT of 5700-6500 degree K, THD less than 10%, internal surge protection of 3 KV, complete with Non integrated isolated electronic driver (protects the output /secondary side from any disturbance on the input / primary side ensuring safe operation) and all other accessories suitable for operation on 140- 270 V, 50 Hz, L70 @50,000 burning hrs (5 years warranty) of approved make as required as per direction of Engg.-in-Charge.	No	20.00		3164.76		63295.20
214	NSR	Supplying, installation, testing and commissioning of Sleek LED 10 watt mirror light fitting with extruded polycarbonate housing.High optically efficient diffuser,above wash basin complete with all accessories etc. directly on wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required of approved make as per direction of Engg.-in-Charge.	Nos	120.00		868.48		104217.60
215	NSR	Supplying, installation, testing and commissioning of 10 watt LED BULK HEAD light fitting with extruded polycarbonate housing.High optically efficient diffuser complete with all accessories etc. directly on wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required of approved make as per direction of Engg.-in-Charge.	Nos	10.00		2036.68		20366.80
216	NSR	Supplying, installation, testing and commissioning of 1200 mm sweep white/milky colour BLDC copper winding ceiling fan with aluminium blades having wattage not more than 28W and air delivery ≥215m3/min of approved make including wiring the down rod of standard length (upto 30 cm) with 1.5 sq mm PVC insulated, copper conductor, single core cable etc. as required as per direction of Engg.-in-Charge,	Nos	140.00		4394.32		615204.80
217	NSR	Supplying and fixing extra conduit down rod of 20 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as required as required as per direction of Engg.-in-Charge . (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored) of ISI mark as approved.	Nos	204.00		38.94		7943.76
218	NSR	Supplying and fixing of 5 step type Modular electronic Fan Regulator ISI Marked of approved make with all connection complete in all respect as per direction of Engineer in charge.	Nos	100.00		441.32		44132.00
219	NSR	Supplying, installation, testing & commissioning of exhaust fan of heavy duty 300 mm sweep 1400 rpm with louvers of exhaust fan in the existing wall, including fixing & connection as required of approved make as per direction of Engg.-in-Charge.	Nos	60.00		3693.40		221604.00
220		BDDB,DB,AC DB,FLOOR PANELS,MCBS				0.00		

NAME OF THE WORK: - DETAIL BOQ FOR CONSTRUCTION OF 100 SEATED GIRL'S & BOY'S HOSTEL (G+1) FOR GOVT ITI ATHMALIK, ODISHA								
Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
221	NSR	Supplying and fixing of following mentioned way, three pole/single pole and neutral, sheet steel,double door MCB distribution board, 415 volts/240 volts shall be as per IEC 61439-3,integrated door earthing system offering additional safety to the user,High quality polyurethane Gasket,the box and cover shall be fabricated to withstand IK09,the DB should be properly pre-treated with 7 tank process and duly powder coated, phosphatized with powder coated finish, on surface/recess, complete with terminal blocks,with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper busbar, neutral busbar, earth bar, din bar as required of approved make as per direction of Engg.-in-Charge.				0.00		
222	NSR	4 Way(8+12) Way TPN MCB DD DB Horizontal Type as per IEC 61439-3 suitable for Flush mounting and Surface mounting with 100A Copper Bus Bar for each phase, with neutral Bus bar, Earth Bar & Cable ties for cable management, prefitted masking sheet, IP43-IK09 with metal door as required of approved make as per direction of Engg.-in-Charge.(FOR LIGHT,ComputerDB)	Nos	4.00		5038.60		20154.40
223	NSR	6 Way(8+18) Way TPN MCB DD DB Horizontal Type suitable for Flush mounting and Surface mounting with 100A Copper Bus Bar for each phase, with neutral Bus bar, Earth Bar & Cable ties for cable management, prefitted masking sheet, IP43-IK09 with metal door(FOR LIGHT,POWER INDOOR,3-PH,POWER LOAD).	Nos	4.00		6218.60		24874.40
224	NSR	8 Way(8+24) Way TPN MCB DD DB Horizontal Type suitable for Flush mounting and Surface mounting with 100A Copper Bus Bar for each phase, with neutral Bus bar, Earth Bar & Cable ties for cable management, prefitted masking sheet, IP43-IK09 with metal door as required of approved make as per direction of Engg.-in-Charge. (FOR POWER & INDOOR AC DB)	Nos	4.00		7265.26		29061.04
225	NSR	12 way DD single pole and neutral sheet steel MCB distribution board 250V on surface/recess complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required of approved make as per direction of Engg.-in-Charge.	Nos	2.00		2326.96		4653.92
226	NSR	2+4 way MCB Enclosure DB (GLAZED door)(only each EM. CONNECTION UPS LOAD) as required of approved make as per direction of Engg.-in-Charge.	Nos	4.00		2004.82		8019.28
227	NSR	Supplying and fixing 6- 32 amps rating, 240 volts, C series, Single poles MCB of approved make in the existing MCB DB complete with connections as per direction of Engg.-in-Charge.	Nos	245.00		378.78		92801.10
228	NSR	Supplying and fixing 6- 32 amps rating, 240 volts, C series, Double poles MCB of approved make in the existing MCB DB complete with connections as per direction of Engg.-in-Charge.	Nos	6.00		1136.34		6818.04
229	NSR	Supplying and fixing 40 Amps rating,4P 440V, RCCB 30mA of approved make in the existing MCB DB complete with connections, testing and commissioning etc. as required as per direction of Engg.-in-Charge. The RCCB should be	Nos	6.00		6182.02		37092.12
230	NSR	Supplying and fixing 63Amps 4P 415 volts RCCB 30 mA of approved make in the existing MCB DB complete with connections as per direction of Engg.-in-Charge.	Nos	4.00		6182.02		24728.08
231		PANELS				0.00		
232		MAIN PANEL AT GF				0.00		
233	NSR	Supplying,installation,testing & commissioning of CPRI testedLT indoor floor mounted cubical type electrical main panel (for both light and power circuit) made out by 2mm CRCA steel sheet duly derusted & painted by siemens gray powder cote paint followed by 9 tank acid treatment is designed as G.A drawing as per direction of Engg.-in-Charge.Warranty period of replacement of panel & accessories must be 3 year & complete test certificate must be submitted along with panel board including component list.80X10MM Separate Aluminium Earth bus bar should be installed.	Set	2.00		345561.82		691123.64
234		Incommer						
235		200A 4P onload changeover switch - 1 no						
236		200A 4P MCCB '36kA', Icu=100%Ics, with Thermal Magnetic Protection- 1 No						
237		Busbar						
238		04 numbers of 200Amps aluminium busbar with 0.8A/SQ.MM current carrng capacity. busbar duly sleeved by color coated PVC sleeve & supported by suitable size DMC insulator. (for outgoing)						
239		Out going						
240		63A 4P MCB, '10kA'- 9 nos						
241		32A 4P MCB, '10kA'- 9 nos						
242		32A 2P MCB, '10kA'- 6 nos						
243		Instrument						
244		03 numbers phase indicating lamp with toggle switch & HRC fuse.						
245		01 set of digital type multifunction meter with CT for voltage,current,frequency,PF,THD indication with RS 485 COMPACTIVITY FOR BMS DATA.						
246		CABLING AND END TERMINATION MAIN AREA						
247	NSR	Supplying of one number PVC insulated armoured and PVC sheathed XLPE property AL conductor power cable of 1.1 KV grade following size cables as required of approved make as per direction of Engg.-in-Charge.						
248		3.5core x 120 sq mm	Mtr	140.00		1738.14		243339.60
249		LAYING OF CABLE				0.00		
250	NSR	Laying of PVC Insulated PVC Seated /XLPE power cable of 1.1 kv grade size exceeding 25 SQ. MM but not exceeding 120 SQ. MM direct in ground in the trench in one horizontal formation including excavation ,sand couching protection covering and refilling the trench etc as required as per direction of Engg.-in -charge.	Mtr	140.00		213.58		29901.20
251	NSR	Laying of PVC Insulated PVC Seated /XLPE power cable of 1.1 kv grade size not exceeding 120 SQ. MM From 25 SQ. MM in surface with shaddle and screw etc as required as per direction of Engg.-in -charge.	Mtr	20.00		186.44		3728.80
252		TERMINATION				0.00		
253	NSR	Supplying and making end termination with brass double compression gland and aluminium lugs for following mentioned size cable as required of approved make as per direction of Engg.-in-Charge.				0.00		
254		3.5 core x 120 sq mm	Nos	4.00		580.56		2322.24
255	NSR	Providing,fixing and laying of following dia G.I. pipe (medium class) in ground complete with G.I fitting incl. trenching(75 mm depth) and refilling as required of approved make as per direction of Engg.-in-Charge.				0.00		
256		50 mm dia	mtrs	20.00		527.46		10549.20
257		EARTHING INSTALLATION				0.00		
258	NSR	Supplying,installation,testing & commissioning of materials and installation of GI earth plate 600mmx600mmx6mm thick ISI marked with G. I. nut bolts & washers including cost of burnt wood charcoal, salt, foreign soil, water pouring arrangements, brick masonry enclosure on top with removable RCC cover complete with labour for excavation of pit in all kinds of soil & rock as required and as per direction of Engineer-in-charge.	Nos	4.00		7670.00		30680.00
259		Supplying,installation,testing & commissioning of materials and installation of Copper earth plate 600mmx600mmx3.18mm thick ISI marked with G. I. nut bolts & washers including cost of burnt wood charcoal, salt, foreign soil, water pouring arrangements, brick masonry enclosure on top with removable RCC cover complete with labour for excavation of pit in all kinds of soil & rock as required and as per direction of Engineer-in-charge.				0.00		
260		Providing and fixing 25mm x 5 mm GI strip on surface or in recess for connections etc. as required as per direction of Engg.-in-Charge.	Mtr	20.00		227.74		4554.80

NAME OF THE WORK: - DETAIL BOQ FOR CONSTRUCTION OF 100 SEATED GIRL'S & BOY'S HOSTEL (G+1) FOR GOVT ITI ATHMALIK, ODISHA								
Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
261		Providing and fixing 50mm x 6 mm GI strip on surface or in recess for connections etc. as required as per direction of Engg.-in-Charge.	Mtr	40.00		377.60		15104.00
262		LAN SYSTEM				0.00		
263	NSR	Supply ,installation ,testing & commissioning of 4 pair Cat6 23 awg U/UTP LSZH Cable in the existing surface/ recessed steel/ PVC conduit as required: The 4 pair Unshielded Twisted Pair cable shall be UL Listed,exceeds the requirements of ANSI/TIA-568-C.2 and ISO/IEC 11801 Class E , 4 twisted pairs separated by internal PE Cross Separator. Full separator. Half shall not be accepted. Rip Cord is must,Insertion Loss of 32.8 db/100m at 250 MHz ,Cable should support operating temperature from -20° to +70°C Cable support Conductor Resistance ≤ 9.38 Ω/100m Max., Cable support Delay Skew: < 45 ns/100m, Operating Voltage: 72V , Impedance: 100 ± 15 Ω @100 MHz. and Propagation Delay @250 MHz : 536 ns/100m, ETL Verified 4 connector channel performance up to 700 MHz , RoHS Compliant as required of approved make as per direction of Engg.-in-Charge.	Mtrs.	2000.00		97.94		195880.00
264	NSR	Supply ,installation ,testing & commissioning of Cat6 I/O with Dual Face plate: The Outlet shall meet or exceed requirement as per ANSI/TIA 568C.2,ISO/IEC 11801, & EN50173. The information outlet NEXT, PSNEXT, FEXT, ELFEXT, PSELFEXT and return loss should be verified for Cat6 @ 250Mhz & CAT6A @ 500Mhz. The information outlet connector shall be of gold/nickel, thickness of gold > 0.8 µm. The connectors shall be compatible as per IEEE 802.3af standard for POE application. The PVC material of Face plate should comply ABS /UL94-V-O certified as required of approved make as per direction of Engg.-in-Charge.	Nos	100.00		1195.34		119534.00
265	NSR	Supply ,installation ,testing & commissioning of Cat 6, 24-port loaded, 1U Modular Jack Panel Should accommodate Cat6 with Rear Cable Management and Front removable Toolless Information outlet. Should have easy clip management with labels and clear label covers, Made with of Dicast Aluminium Alloy Material and Non Corrosive with Cat6 toolless RJ45 x 24 ports with color code front panel with patch cord locking as required of approved make as per direction of Engg.-in-Charge.	Nos	4.00		11585.24		46340.96
266	NSR	Supply ,installation ,testing & commissioning of Cat 6 UTP 24 AWG Patch Cord Patch cord: 6 UTP Patch Cords are Factory Tested for Better Quality and Suitable for the High Speed Data Transmission. Complies to the Standard ANSI/TIA/EIA-568-C.2 Standard. Supports Data Networks Speeds Up to 10/100-Base-T and 1000-Base-T. Available In LSZH Jacket- Reduced Toxic Gasses Emitted During Combustion , RJ45, 8P8C, 2 FORK 50µ" Gold Plated Contacts , 100% Factory Tested , Transparent Boot Cable Assemblies as required of approved make as per direction of Engg.-in-Charge. for 1mtr Length	Nos	140.00		403.56		56498.40
267	NSR	Supply ,installation ,testing & commissioning of Cat6 UTP 24 AWG Patch Cord Patch cord: 6 UTP Patch Cords are Factory Tested for Better Quality and Suitable for the High Speed Data Transmission. Complies to the Standard ANSI/TIA/EIA-568-C.2 Standard. Supports Data Networks Speeds Up to 10/100-Base-T and 1000-Base-T. Available In LSZH Jacket- Reduced Toxic Gasses Emitted During Combustion , RJ45, 8P8C, 2 FORK 50µ" Gold Plated Contacts , 100% Factory Tested , Transparent Boot Cable Assemblies as required of approved make as per direction of Engg.-in-Charge. for 2mtrs Length	Nos	100.00		480.26		48026.00
268	NSR	Supply ,installation ,testing & commissioning of 6 core Single mode OS2 Unitube Armoured Optical fiber cable through existing conduit: The Fiber should be OS2 Single Mode Optical Fiber Cable of Size 9/125µm. Outdoor Corrugated Steel tape Central loose tube. (Standard Approved: ISO 11801 2nd edition/ EN 50173-1:2002 / IEC 60794-1/IEC 60793-2-50 class B1.3 / EN 60793-2-50: class B1.3 / ITU Recommendation G.652.D - the oder ITU designations A, B and C are also fulfilled / OS1/ISO/IEC 24702:2006, cat. OS2; also OS1 requirements are fulfilled/IEEE 802.3 - 2002 incl. 802.3ae) Jacket as required of approved make as per direction of Engg.-in-Charge.	Mtrs.	200.00		145.14		29028.00
269	NSR	Supply ,installation ,testing & commissioning of Rack mount Draw Type Loaded 6 port LIU available in Standard 19",Dimensions (mm) : 430 X 220 X 1U , Cold Rolled Steel as Raw Material , Consist of Top Cover and Bottom Panel , Easy to Assemble and Dissemble , Three Types of Input Holes Cable Entry Through Water Proof Cable Clamp , 12 Duplex SC or LC Adapter Interface , Splice 24 Fibers at Most with 1 Tray ,Adaptor, SM, Duplex SC, PC Type ,Pigtail, Support the TIA/EIA Telecommunication Wiring Standards. Compact Design , Telcordia GR-326-Core as required of approved make as per direction of Engg.-in-Charge.	Nos	4.00		9848.28		39393.12
270	NSR	Supply ,installation ,testing & commissioning of OFC Patch Cord, SM (OS2), Duplex LC-SC, LC-LC PC Type, 3M, LSZH Fiber Optic Single Mode OS2 Patch Cords are offered in LSZH Jackets with Corning Fiber,Insertion Loss : <= 0.2 db, Max 0.3db/MTRU: Max 0.5db Return Loss : PC<= 45db, UPC<=50db, APC<=60db as required of approved make as per direction of Engg.-in-Charge.	Nos	8.00		2715.18		21721.44
271	NSR	Supply ,installation ,testing & commissioning of 1G-LX/LH SFP transceiver module,SMF, 1310nm, 9/125 µm Single mode Fiber Type up to 20 KM as required of approved make as per direction of Engg.-in-Charge.	Nos	4.00		7080.00		28320.00
272	NSR	Supply ,installation ,testing & commissioning of 24 Port Layer 2 PoE+ Switch having 24 x 10/100/1000 Mbps Ethernet PoE+ ports with 4 x 1/10Gig SFP+ ports , 1 x RJ45 port console port ,Switching Capacity 128 Gbps , Throughput 96 Mpps ,MAC Address 16k , Switch should support IEEE 802.3af (15.4W) & IEEE 802.3at (30W). Total PoE power: 370W or above , Switch should support DHCP server/relay/client, DHCP snooping/option82 , Switch should support Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON , TFTP, FTP, SFTP, NTP, ZTP, SPAN, RSPAN,Switch should support support iCMPv6, DHCPv6, ACLv6 ,IPv6 Telnet ,Temperature 0°C - 50°C ,Power Supply AC: 100-240V as required of approved make as per direction of Engg.-in-Charge.	Nos	2.00		90907.20		181814.40
273	NSR	Supply ,installation ,testing & commissioning of 9U/500D Wall Mount Rack with Accessories: The rack size should be 600W x 500D, Front frame integrated with top, bottom, front and two side panels for better rigidity and strength, Front Glass Door with Lock loaded, Compliance with standards shall be UL 2416 , DIN 41494, IEC EN 60529, IEC EN 62262 , IEC EN 60068-2-11 , ISO 9001:2008 including Power Distribution Unit (06/16 Amp Indian-Standard - 06 Socket - Single Pole / Screw Mountable / 16 Amp MCB / Alternating Current - 16 Amp 3 Pin Plug with Power Cable 2.5 sq.mm 3 meter Length), 1 cooling Fan(230V AC - 90 CFM, dB 42), 2nos 1U Metal Cable manager with Plastic cable loops and H/W screw as required of approved make as per direction of Engg.-in-Charge.	Nos	4.00		13257.30		53029.20
274	NSR	Supplying and fixing of following sizes of heavy class PVC FRLS conduit ISI marked along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required as per direction of Engg.-in-Charge.				0.00		
275		20 MM	Mtrs.	1600.00		151.04		241664.00
276		25 MM	Mtrs.	810.00		153.40		124254.00
277	NSR	Supply , Installation , testing , commissioning of Gate way Router with Built-in firewall provides anti-virus, layer 3-7 IDS/IPS, DPI, SSL detection, and more. Built-in VPN router supports 2.5Gbps or 3Gbps to allow easy remote access. 2 x 2.5 Gigabit SFP port and 10 x Gigabit Ethernet ports *3x Fixed WAN. 2.5Gbps Router. 4 x PoE out ports, IEEE802.3af/at, Maximum PoE Wattage: 36W as required of approved make as per direction of Engg.-in-Charge.	Nos	2.00		80830.00		161660.00
278		(IP-PBX System)				0.00		

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Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
279	NSR	Supplying and fixing of Hybrid EPABX system equipped with 128 Analog extensions and 6 Analog Trunk, including required hardware and software etc as required as per direction of Engg.-in-Charge.	Set	2.00		118000.00		236000.00
280	NSR	Supplying desktop telephone sets with colour ID as required as per direction of Engg.-in-Charge.	Nos	8.00		1416.00		11328.00
281	NSR	Supply and fixing of 10 pair krone box	Nos	2.00		1840.80		3681.60
282	NSR	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the surface/ recessed steel/ PVC conduit as required as per direction of Engg.-in-Charge.				0.00		
283		2 Pair	Mtrs.	320.00		41.30		13216.00
284		10 Pair	Mtrs.	100.00		218.30		21830.00
285	NSR	LIGHTNING ARRESTER						
286	NSR	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	10.00		718.62		7186.20
287	NSR	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required	Each	10.00		497.96		4979.60
288	NSR	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required	Each	10.00		164.02		1640.20
289	NSR	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Mtr	460.00		174.64		80334.40
290	NSR	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Mtr	80.00		280.84		22467.20
291	NSR	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	Each	8.00		165.20		1321.60
							0.00	7306128.12
292		FIRE FIGHTING WORK						
293	NSR	FIRE FIGHTING -: Supplying, installation, testing and commissioning of Electric Motor Driven Pressurization Terrace Pump having discharge of 900 LPM at 35 Mtr head complete with Pump Set, Electric Motor suitable for operation on 415 V ,3 ph, 50 c/s AC supply , Base Frame	No	2.00		95243.70		190487.40
294	NSR	Supply, installation, testing and commissioning of Floor/Wall mounted sectionalised, front operated top entry dust and vermin proof M.V.Panel Boards suitable for operation at 415V, 3 phase, 4 wire, 50Hz distribution system fabricated out of 2.0 mm thick CRCA sheet, insulated busbar with heat shrinkable PVC sleeve, base frame, complete with all accessories including interconnections, earth bus etc as required comprising of One (1)- 63 Amp, 10 KA,TPN (Class-C) MCB with 3 Nos Phase indicating lamps with control fuse/ MCB, Digital Voltmeter with selector switch. DOL starter with O/L and Single Phasing Preventor suitable for 7.5 HP motor. ON/OFF indication lamps, Auto manual switch and ON/OFF push button.as per direction of engineer in charge Control panel for fire pumps for auto action.	No	2.00		44604.00		89208.00
295	NSR	SITC of FRLS, PVC outer sheath, steel armoured, aluminium, 1100v grade power cables with glands etc. The minimum size of the cables shall as mentioned below as per direction of engineer in charge 3.5C x 16 mmsq	Rmt	31.00		359.90		11156.90
296	NSR	Supply & Fixing of 2 core 1.5 sq.mm, multi strand, copper conductor, FRLS (Fire Retardent Low Smoke)-PVC insulated GI Screened Armoured cable with saddle and required accessories.& Power Cable.	Rmt	35.00		158.12		5534.20
297	NSR	G.I. earthing strips of 25mm x 6mm thick, strip shall be run for PUMPS	Rmt	50.00		230.10		11505.00
298		PIPE & VALVES ETC				0.00		
299	NSR	Supplying, installation testing and commissioning of the following:- "C" class MS Pipe as per IS1239 for underground/over ground pipes with welded / flanged connection with saddles, supports (all with screwed/welded joints) as required including pipe of shorter lengths, tapering connecting pieces, short or long bends, specials like sockets, union nuts, elbows, reducers, plugs, Tees etc. Complete to make the system operative as required by LFA / TAC authorities the pipes will have to be laid and fixed in trenches. The work includes excavation in all types of soils and back filling, dewatering, etc., making holes in brick or RCC walls, slabs/ roofs and making good the damages by bringing to the original condition to the satisfaction of the client and painting two coats of approved shade(Post office red)of enamel paint over a coat of approved primer for overheads pipes and providing and fixing pyp kote (corrosion protection tape) including supply and application of pipe coating and spiral Wrapping for underground piping (wrapping should have overlap of 15 to 20 mm) etc.I.Complete as per ASTM standards/IS: 10221 for corrosion protection of pipes for the underground installation.Note: The piping installation has to be put to hydraulic test to1.5 times the working pressure & as per latest applicable codes & standard before applying paint or pipe coating or wrapping etc. complete.				0.00		
300		100mm NB	Mtr	29.00		2899.26		84078.54
301		80mm NB	Mtr	25.00		1604.80		40120.00
302		25mm nb	Mtr	36.00		729.24		26252.64
303	NSR	Supplying, installation testing and commissioning of the following:- "C" class MS Pipe as per IS1239 for underground/over ground pipes with welded / flanged connection with saddles, supports (all with screwed/welded joints) as required including pipe of shorter lengths, tapering connecting pieces, short or long bends, specials like sockets, union nuts, elbows, reducers, plugs, Tees etc. Complete to make the system operative as required by LFA / TAC authorities the pipes will have to be laid and fixed in trenches. The work includes excavation in all types of soils and back filling, dewatering, etc., making holes in brick or RCC walls, slabs/ roofs and making good the damages by bringing to the original condition to the satisfaction of the client and painting two coats of approved shade(Post office red)of enamel paint over a coat of approved primer for overheads pipes and providing and fixing pyp kote (corrosion protection tape) including supply and application of pipe coating and spiral Wrapping for underground piping (wrapping should have overlap of 15 to 20 mm) etc.Complete as per ASTM standards/IS: 10221 for corrosion protection of pipes for the underground installation.Note: The piping installation has to be put to hydraulic test to1.5 times the working pressure & as per latest applicable codes & standard before applying paint or pipe coating or wrapping etc. complete.				0.00		
304		100mm NB	Nos	8.00		6289.40		50315.20
305	NSR	Providing, fitting & fixing of following size cast iron double flanged type dual plate Non return Valve as per IS- 5312 (Part 1): 2004 with ISI mark of pressure rating PN- 1.60 including fixing the same with supply of required jointing materials like flanges, rubber insertion, MS nuts & bolts, paint etc. and testing the joints with required water pressure etc. all complete as per specification & direction of Engineer-in-charge.				0.00		
306		100mm NB	Nos	8.00		7634.60		61076.80
307	NSR	Supply,Installation,Testing & Commissioning of Pressure gauge of 0-16 Kg/sq.cm. range with cut-off bronze ball valves of suitable size with all accessories as per direction of Engineer-in-charge.	Nos	10.00		1864.40		18644.00

NAME OF THE WORK: - DETAIL BOQ FOR CONSTRUCTION OF 100 SEATED GIRL'S & BOY'S HOSTEL (G+1) FOR GOVT ITI ATHMALIK, ODISHA								
Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
308	NSR	Supply,Installation,Testing & Commissioning of Pressure Switch with cut-off bronze ball valves with integral strainer & flare nut (mixed ends) of suitable size with all accessories as per direction of Engineer-in-charge.\	Nos	10.00		3740.60		37406.00
309	NSR	Supply,Installation,Testing & Commissioning of stainless steel strainer fabricated out of 1.6 mm thick stainless steel sheet Y Stainer with 3 mm dia hloes with stainless steel flange as required.				0.00		
310		100mm NB	NOS	10.00		10502.00		105020.00
311		DOWN COMER SYSTEM				0.00		
312	NSR	Supply,Installation,Testing & Commissioning of Stainless steel Hydrant Valve / Landing valve, of 63 mm NB size, type-A, single headed , oblique type, as per IS :5290/93 and as per direction of Engineer-in-charge	Nos	12.00		8130.20		97562.40
313	NSR	Supply,Installation,Testing & Commissioning of SS short branch pipe with 63 mm male inlet and 19 mm outlet nozzle, as per IS:903 and as per direction of Engineer-in-charge.	Nos	12.00		2808.40		33700.80
314	NSR	Supply,Installation,Testing & Commissioning of 63 mm NB and 15meter long RRL Fire Hose fitted with 63mm instantaneous stainless steel male & female SS coupling, complete by GI wire binding for Internal Hydrant as per direction of Engineer-in-charge	Nos	21.00		6926.60		145458.60
315	NSR	Providing supply & fixing of MS Hose Box for of suitable size(750X600X250mm) to accomodate 2 nos. of 15/ 1 no of 30 mtr long fire hose and a branch pipe, wall mounted type as per direction of Engineer-in-charge.	Nos	13.00		6372.00		82836.00
316	NSR	Supply,Installation,Testing & Commissioning of Swinging pattern wall fixing first aid hose reel made from MS sheet and waterways and moving parts with rubber hose of 20 mm dia. and 30 mtrs. long with ABS(Plastic) shut-off nozzle as per IS: 444/IS: 12585 Type-I., complete with all accessories as per direction of Engineer-in-charge.	Nos	17.00		9765.68		166016.56
317	NSR	Providing, fitting and fixing of C.I. 25 MM single air relief valve with stop cock conforming to IS:14845/2000 with ISI mark for water works purpose including fixing the same with hydrant riser including testing & commissioning the system etc. all complete as per approved specification & direction of Engineer-in-charge.	Nos	17.00		1699.20		28886.40
318	NSR	Providing, fitting & fixing of 4-Way GM fire brigade connection consisting of 63 mm dia instantaneous type male couplings with built-in check valves, 150mm dia flanged outlet complete with bolts, nuts and rubber insertions conforming to IS:904 with ISI mark including testing & commissioning the system etc. all complete as per approved specification & direction of EIC.	Nos	17.00		6974.98		118574.66
319		EXTINGUISHER SYSTEM						
320	NSR	Portable Fire Extinguisher System Supplying, installation, testing and commissioning of CO2 type Fire Extinguisher 4.5 kg capacity conforming to IS: 2878 made from ISI marked seamless cylinder conforming to IS: 7285, fitted with ISI marked controlled valve conforming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket as per direction of Engineer-in-charge.	Nos	15.00		9086.00		136290.00
321	NSR	Supplying, installation, testing and commissioning of ABC type fire extinguishers of 6 kg capacity including cost of all material & labour etc complete.	Nos	15.00		3851.52		57772.80
322	NSR	Fire buckets (FILLED WITH SAND) round bottom type enamel painted, white inside & Red out side and Letter "FIRE" in black out side and handle with mounting bracket.	Nos	9.00		5000.84		45007.56
323		AUTOMATIC FIRE ALARMING SYSTEM				0.00		
324	NSR	Supply, installing, testing and commissioning of of 4 Loop Network Panel Micro processor based 4 wire fault tolerant loop,with inbuilt network port (each loop accessing 99 or more detectors and 99 or more modules) fire alarm/detection control panel. The Panel shall have 10000 or more event log history . Panel shall be capable of having 1600 or more configurable zones .The panel shall be able to give location of all fire/fault conditions of addressable units via the address codes. Further, the panel must be able to automatically switch ON /OFFrespective control module when ever any alarm is triggered. The panel shall have 7 Inch Touch Screen unit to indicate Fire/Fault Signal with address and analog output, external/inbuilt printer to log all fire or fault events complete in all respects.The Panel Shallbe Sheet Steel Painted, selaed to IP30. The Panel Shall have provision for 40 or more Zones with Individual LED Indicators expdable upto 200 Zones or higher. The panel shall have a built in power supply and battery charger along with maintenance free 7 AH, 2 x 12 volt SMF Lead acid batteries capable of running for a minimum of 48 hours with battery charger complete as required.and as per specifications. conforming to BS5839 Standards and Duly Approved by EN54 The panel shall support detection logics like coincidence & verification detections for the false alarm management. The Panel shall adjust the sensitivity between day and night to maintain the better detection/reponse time. The Panel shall be capabale of programming through PC ; Touch Screen of USB .This panel having facility of MODBUS protocol over TCP/IP for BMS integration.The panel should have provision for inbuilt RJ45 connection terminal for connecting to the LAN with inbuilt BACNET Protocol.	No	2.00		427160.00		854320.00
325	NSR	Supplying, installing, testing and commissioning of adressable multi sense smoke detector with inbuilt isolator module/isolator base,base, junction box and other accessories.	Nos	12.00		4189.00		50268.00
326	NSR	Supplying, installing, testing and commissioning of Addressable Manual Call Point with inbuilt monitor module and back box.	Nos	10.00		6089.98		60899.80
327	NSR	Supplying, installing, testing and commissioning of addressable Hooter at 85 dBA @ 3m for Audible annunciation and 75cd flashing at 1 Hz for visual indication with all accessories etc., complete.	Nos	10.00		8190.38		81903.80
328	NSR	Supplying, installing, testing and commissioning of 2C x 1.5 sq. mm, Twisted Pair PVC insulated FRLS Armored Cable with Accessories conforming to IS standards and specifications. The quoted rate shall includes of Acrylic Fire stop Sealant in the opening for cables passing through fire compartment walls of RCC floors, masonry walls to provide up to 2 hours fire rating.	Mtr.	974.00		166.38		162054.12
329		PA SYSTEM				0.00		
330	NSR	Supplying, installation, testing & commissioning of 6 zone,voice alarm controller with USB, MP3 player (including 6 zone button paging station) with seamless integration facility with main fire alarm panel for voice evacuation complete as required.	Nos.	2.00		118868.48		237736.96
331	NSR	Supplying, installing, testing and commissioning of Power amplifier of 480 watt.The amplifier should be clean reliable audio for public address amplification.Line input less than 1 volt, unbalanced& line output less than 1 volt unbalanced	Nos.	2.00		61124.00		122248.00
332	NSR	Supplying, installing, testing and commissioning of 12 Watt wall mounted speakers with built in line matching transformer, grill flush mounting type in side the utility rooms.	Nos.	12.00		3363.00		40356.00
333	NSR	Supplying, installing, testing and commissioning of 2 runs of 40 strand and each of 0.2 mm thick, Twisted Pair PVC insulated FRLS unarmored Cable with Accessories conforming to IS standards and specifications. The quoted rate shall includes of Acrylic Fire stop Sealant in the opening for cables passing through fire compartment walls of RCC floors, masonry walls to provide up to 2 hours fire rating.	Mtr.	771.00		75.52		58225.92
334		SIGNAGES				0.00		

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Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
335	NSR	SIGNAGES:-Providing and installing in position the following type of sign boards made out of 3mm thick flexible photoluminescent based glow in dark sheeting with luminous properties enclosed in a weather proof Uvstabilized film with UV screen printing by imported links pasted over 3 mm thick cast acrylic from front side with 6 mm thick acrylic, -20 to+80 deg C, Suitablefor indoor use, greenish yellow, glow visible upto 4-6 hr in total darkness for floor indication, fire exit, hydrant, hose reel, fire extinguisher, MCP, fire alarm panel, in case of fire, lift, alarm valve signages, FIRE EVACUATION PLAN	Sqinch	349.00		21.24		7412.76
336	NSR	Illumination Glow light for Exit Indication with Battery Back-up.	Nos	7.00		6726.00		47082.00
337		PH WORK					0.00	3365417.82
338	NSR	P.H Work Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor C-PVC pipes conforming to pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor all complete as per specification and direction of the Engineer in charge GF Floor -20mm dia C-PVC pipe	Mtr	65.00		325.21		21138.52
339		25mm dia C-PVC pipe	Mtr	65.00		429.40		27911.13
340		1st Floor- 20mm dia C-PVC pipe	Mtr	46.00		338.78		15583.79
341		25mm dia C-PVC pipe	Mtr	48.00		442.97		21262.66
342	NSR	Supplying all materials, labour,T&P and providing and fixing to wall or ceiling and floor pvc pipes conforming to ASTM-D-1785/04 (Sch-80) and pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor all complete as per specification and direction of the Engineer in charge Ground Floor 25mm UPVC ASTM Pipe	Mtr	60.00		362.26		21735.60
343		32mm UPVC ASTM Pipe	Mtr	45.00		478.37		21526.74
344		40mm UPVC ASTM Pipe	Mtr	65.00		580.56		37736.40
345		1st Floor 25mm UPVC ASTM Pipe	Mtr	41.00		375.71		15404.19
346		32mm UPVC ASTM Pipe	Mtr	50.00		493.83		24691.50
347		40mm UPVC ASTM Pipe	Mtr	30.00		600.38		18011.52
348	AR 2013 Item no 3.1.10	Supplying all materials, labour, T&P and cutting holes through existing brick work including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/ PVC pipes and fittings etc all complete as per PH specification and direction of the Engineer in charge.G. Floor	Each	30.00	76.23		2286.84	
349		1st Floor	Each	30.00	77.76		2332.86	
350	AR 2013 Item no 3.1.11	Supplying all materials, labour, T&P and cutting hole in R.C.C floors, roofs, etc upto 19 cm thick for passing G.I. Pipes / P.V.C pipes and fittings etc and repairing the holes after insertion of pipes etc with cement concrete (1:2:4) including finishing complete so as to make it leak proof as per direction of the Engineer in charge.G. Floor	Each	10.00	255.71		2557.06	
351		1st Floor	Each	4.00	257.00		1028.02	
352	AR 2013 Item no 3.1.12	Supplying all materials, labour, T&P and cutting grooves in pucca floors and walls for taking GI/PVC pipes and making good the damages as per the direction of the Engineer in charge. G. Floor	Mtr	70.00	257.36		18015.06	
353		1st Floor	Mtr	62.00	265.62		16468.32	
354	NSR	Supplying all materials, labour, T&P and cutting holes through existing brick or laterite masonry wall for taking HCl pipes and fittings including making good the damages etc all complete as per PH specification and direction of the Engineer in charge 250mm to 375mm thick wall. G. Floor to 5th floor	Each	36.00	0.00	305.38		10993.82
355		1st Floor	Mtr	20.00	0.00	305.38		6107.68
356	NSR	Supplying all materials, labour T&P and fitting and fixing brass/CP fittings of the following nominal bore with supply of all jointing materials complete as per specification and direction of the Engineer in charge.			0.00	0.00		
357		15mm dia long body Bib Cock cock	Each	40.00	0.00	1713.24		68529.68
358		15mm dia CP S.B Bib cock	Each	20.00	0.00	1277.70		25554.08
359		20mm dia CP concealed stop cock	Each	20.00	0.00	1626.16		32523.16
360		15mm dia CP angle stop cock	Each	20.00	0.00	1974.49		39489.88
361		Elbow action Sink Cock	Each	4.00	0.00	2700.43		10801.72
362		15mm dia CP SINK cock	Each	4.00	0.00	2439.18		9756.71
363		15mm dia CP Pillar cock	Each	22.00	0.00	1916.44		42161.64
364		HAND SHOWER (HEALTH FAUCET) WITH 1 METER	Each	28.00	0.00	1480.90		41465.20
365		15mm dia Two way Bib Cock	Each	36.00	0.00	1480.90		53312.40
366		Shower arm	Each	40.00	0.00	754.96		30198.56
367		Over head shower 100mm dia round	Each	40.00	0.00	1626.16		65046.32
368		25mm dia brass or gun metal full way valve	Each	16.00	0.00	1114.63		17834.05
369		32mm dia brass or gun metal full way valve	Each	16.00	0.00	1632.41		26118.59
370		40mm dia brass or gun metal full way valve	Each	20.00	0.00	2064.76		41295.28
371		50mm dia brass or gun metal full way valve	Each	16.00	0.00	3043.22		48691.52
372		15mm dia CP Flange	Each	50.00	0.00	47.55		2377.70
373		15mm dia CP Extension Nipple	Each	60.00	0.00	69.97		4198.44
374		125mm CP grating	Each	60.00	0.00	111.39		6683.52
375	NSR	SupplySupply, installing, testing and commissioning of Supply of 1000 Litre HDPE Overhead Water Tank (2-layer, 3-layer, etc.) of approved make with UV stabilization, food-grade material & manhole cover complete and commissioning complete with approved quality and make as required as per instruction of site incharge.	Set	6.00	0.00	23600.00		141600.00
376	AR 2013 Item no 3.3	Supplying all materials, labour, T&P and fitting and fixing U-PVC SWR soil waste ventilating pipes and fittings of the following outside diameter conforming to ISI No. 13592/1992 to walls with nails, bobbins and wooden plugs or laying in trenches including jointing with supply of approved rubber lubricant by non-heat application method/as per manufacturer's specification, testing, earthwork in excavation in all kinds of soil and refilling of trenches as per specification and direction of the Engineer in charge in Ground floor			0.00			
377		160mm dia U-PVC SWR pipe	Mtr	70.00	647.23		45306.10	
378		110mm dia U-PVC SWR pipe	Mtr	70.00	585.63		40994.38	
379		75 mm dia UPVC SWR Pipe	mtr	50.00	403.09		20154.40	
380		160mm dia U-PVC door bend	Each	12.00	346.45		4157.38	
381		160mm dia U-PVC plain bend	Each	12.00	309.40		3712.75	
382		110mm U-PVC door tee	Each	40.00	455.48		18219.20	
383		110mm U-PVC Plain tee	Each	30.00	380.79		11423.58	
384		110mm U-PVC door bend	Each	16.00	346.45		5543.17	
385		110mm U-PVC plain bend	Each	16.00	273.76		4380.16	
386		110mm dia U-PVC 'P' trap	Each	16.00	586.81		9389.02	
387		110mm dia U-PVC Plain Shoe Bend	Each	18.00	273.76		4927.68	
388		110mm dia U-PVC offset with out ear	Each	18.00	480.73		8653.18	
389		110mm dia U-PVC cowl	Each	18.00	68.68		1236.17	
390		75 mm dia UPVC plain bend	Each	22.00	217.12		4776.64	
391		76 mm dia UPVC plain Tee	Each	18.00	288.86		5199.55	
392		PVC clamp suitable for 75 mm to 110mm dia pipe	Each	60.00	50.50		3030.24	

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Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
393	AR 2013 Item no-3.4.4	Supplying all materials, labour, T&P and fixing the following vitreous china Wash Down Water Closet (European type W.C pan) with integral 'P'or 'S' trap to the floor with wooden plug and chromium plated pedestal screws including jointing the trap with soil pipe in cement mortar (1:1), fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers including polishing etc all complete as per specification and direction of the Engineer in charge. European water closet with 'S' trap plain	Each	30.00	3909.93		117297.90	
394	AR 2013 Item no-3.4.1	Supplying all materials , labour, T&P and fixing Vitreous china water closet ,squatting pan (Indian type W.C. pan / Orissa pattern squatting pan) duly embedded in cement concrete 1:5:10 using hard granite metal 4cm nominal size including fixing a pair of vitreous china 250mmx130mmx30mm foot rest, fixing 100mm dia hci 'P' or 'S' trap for water closet squatting pan including jointing the trap with pan in cement mortar (1:1), cutting the floor and mending good the damages etc. all complete as per P.H. specification and direction of Engineer-in-charge. 580mmx440mm size Orissa pan	Each	14.00	2964.87		41508.15	
395	AR 2013 Item no-3.4.6	Supplying all materials, labour, T&P and fitting and fixing 10 litres capacity low level flushing cistern with a pair of cast iron or M.S brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float CP brass handle, unions and couplings for connection with inlet, outlet and overflow pipes,32mm dia CP flush bend,15mm dia pvc inlet connection pipe including cutting holes and making good the same and connecting the flush bend with cistern and closet and connecting the inlet pipe with supply main etc all complete as per specification and direction of the Engineer in charge. 10 litres capacity pvc low level cistern with 32mm dia CP long flush bend Slimline white	Each	40.00	1948.89		77955.52	
396	AR 2013 Item no-3.4.8	Supplying all materials , labour, T&P and fixing Vitreous china water closet ,squatting pan (Indian type W.C. pan / Orissa pattern squatting pan) duly embedded in cement concrete 1:5:10 using hard granite metal 4cm nominal size including fixing a pair of vitreous china 250mmx130mmx30mm foot rest, fixing 100mm dia hci 'P' or 'S' trap for water closet squatting pan including jointing the trap with pan in cement mortar (1:1), cutting the floor and mending good the damages etc. all complete as per P.H. specification and direction of Engineer-in-charge. Squatting URINAL pan (Parryware)	Each	15.00	3939.67		59094.99	
397	AR 2013 Item no-3.4.12	Supplying all materials, labour, T&P and fixing wash basins with hole for pillar taps conforming to IS:2556-part-4-2004 with cast iron or M S brackets painted white including cutting holes in walls and making good the damages with supply of wooden plugs, screws and cement etc, fixing pedestal for wash basin recessed at the back for the reception of pipes and fittings, fixing PVC waste pipe of 32mm nominal diameter for wash basin including brass check nut complete, fixing pillar taps capstan head screw down high pressure lettered 'Hot' and 'Cold' with long screws, shanks and back nuts of 15mm dia nominal bore(Plaza make), fixing 15mm dia PVC inlet connection pipe and making connection with pillar cocks and supply mains for wash basin, fixing 32mm dia CP brass waste(Plaza make), etc all complete as per specification and direction of the Engineer in charge Half pedestal Basin	Each	4.00	9106.18		36424.71	
398	NSR	Under Counter Basin (560x455) white (Pastels)	Each	30.00	0.00	6167.62		185028.72
399	AR 2013 Item no-3.4.14	Supplying all materials ,labour ,T&P and fixing wash kitchen sink with outlet at end and weir overflow including fitting and fixing a pair of cast iron or MS brackets painted white, fixing 50mm/40mm dia CP brass waste , fixing 50mm/40mm dia PVC waste pipe 910mm long with supply of wooden plugs, screws and cement etc. including cutting holes in walls and making good the damages etc.all complete as per specification and direction of Engineer-in-charge			0.00		0.00	
400		600x450x250 mm stainless steel kitchen sink-glossy-IS:13983 - 1994	Each	4.00	5989.56		23958.25	
401	AR 2013 Item no-3.4.28	Supplying all materials,labour, T&P and fixing standard sized CP towel rail complete with CP brass brackets fixed to wooden plugs with CP screws as per specification and direction of the Engineer in charge. 25mmx600mm long CP towel rail	Each	24.00	886.06		21265.49	
402	AR 2013 Item no-3.4.29	CP Towel ring	Each	20.00	611.36		12227.16	
403	AR 2013 Item no-3.4.30	Supplying all materials ,labour ,T&P and fixing CP Soap Holder complete with CP brass brackets fixed to wooden plugs with chromium plated brass screws etc.all complete as per specification and direction of Engineer-in-charge. CP soap holder	Each	90.00	253.23		22790.52	
404	AR 2013 Item no-3.4.27	Supplying all materials, labour, T&P and fixing standard sized glass-shelf with CP brass brackets and guard rails complete fixed to woden plugs with CP screws as per specification and direction of the Engineer in charge.600mmx125mm glass shelf with CP/NP guard rails	Each	20.00	797.68		15953.60	
405	AR 2013 Item no-3.4.26	Supplying all materials, labour, T&P and fixing mirror of superior glass conforming to IS:3438-1996 mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with CP screws and washers complete as per specification an direction of the Engineer in charge. Design mirror	Each	12.00	1961.99		23543.83	
406	NSR	Supplying all materials, labour, T&P and providing fitting and fixing (Aqua guard) Pure Chill 120 PSS UV of size 750x570x1350mm height with water storage capacity 120 liters along with 3 nos of faucets 2 for cold water and 1 for normal water including a flow of 1.5 ltr per minute etc all complete as per approved drawing.specification and direction of the Engineer in charge.	Each	4.00	0.00	154893.88		619575.52
407	NSR	Stainless steel for Cooler-cum-Purifier	Each	2.00	0.00	9440.00		18880.00
408	OSR AR 2006 item no-14 SR 2022	Supplying all materials, labour, T&P and filling in foundation and plinth with sand well watered and rammed including conveyance of all materials to worksite, payment of royalty, taxes etc.all complete as per direction of the Engineer in charge. In Ground Floor	cum	20.74	1012.09		20990.66	
409	OSR AR 2006 item no-4 SR 2022	Supplying all materials, labour, T&P and providing cement concrete (1:4:8) with 4cm size crusher broken hard granite metal including watering, curing, cost of all materials,conveyance of all materials to work site with payment of royalty, all taxes etc all complete as per P.W.D specification and direction of Engineer-in-charge,Ground Floor;-	cum	6.92	6329.40		43799.46	
410	OSR AR 2006 item no-7 SR 2022	Supplying all materials, labour, T&P and providing cement concrete (1:2:4) with 12mm size hard broken granite chips including watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc all complete as aper specification and direction of the E.I.C. Ground Floor;-	cum	6.92	8677.13		60045.74	
411		In FirstFloor floor	cum	4.52	9192.55		41550.34	
412	NSR	Supply of all materials & laying the waterproofing material of torch shield P3160(3mm)with its primer 2 coats or equivalent water proofing material after drying cleaning the concrete surface over the concrete floor/roof/ balcony/sunken and dado upto 1"6" in wall including cleaning,applying and mending as per specification including cost,conveyance,taxes,royalties of all materials to work site etc.all complete as per the direction of the Engineer-in-charge.(Sqm)			0.00		0.00	
413		In , First floor	Sqm	163.32	0.00	988.49		161439.53

NAME OF THE WORK: - DETAIL BOQ FOR CONSTRUCTION OF 100 SEATED GIRL'S & BOY'S HOSTEL (G+1) FOR GOVT ITI ATHMALIK, ODISHA								
Sl.No	OSR/ NON SCHEDULED RATE(NSR)	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (Rs.)		AMOUNT (Rs.)	
					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
414	NSR	Supplying all materials, labour, T&P and providing and filling cinder including watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per specification and direction of the Engineer in charge			0.00			0.00
415		In FirstFloor floor	cum	13.54	0.00	655.79		8879.33
416	OSR AR 2006 item no-3 SR 2022	Supplying all materials.labour.T&P and providing brick work with KB bricks having curshing strength not less than 75 kg/sqcm with dimensional tolerance+ 8% in cement mortar(1:4) including watering,curing, cost of all materials,conveyance of all materials to worksite,payment of royalty,all taxes etc.all complete as per PWD specification and direction of the Engineer in charge.			0.00		0.00	
417		In Ground floor(S.S)			0.00		0.00	
418		C.Basin Wall =4x0.75x0.125x0.90	cum	0.06	6959.76		417.59	
419		FF=C.Basin Wall = 2x0.75x 0.125x0.90	cum	0.34	7415.59		2521.30	
420	OSR AR 2006 Item no-10 SR 2022	Supplying all materials, labour, T&P and providing rigid and smooth centering and shuttering for R.C.C works including false work and dismantling them after casting including conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per specification and direction of the Engineer in charge			0.00		0.00	
421		In Ground floor	Sqm	15.14	899.28		13615.07	
422		In 1st floor	Sqm	10.54	989.19		10426.10	
423	OSR AR 2006 Item no. - 2 SR 2022	Supplying all materials, labour, T&P and providing cement concrete (1:1½:3) with 12mm size crusher broken hard black granite chips for RCC works including hoisting, laying, watering, curing, cost of all materials, conveyance of all materials to worksite, payment of royalty,all taxes etc. all complete as per PWD specification and direction of the Engineer in charge.			0.00		0.00	
424		In GF, C. basin slab 1x4.90x0.75x0.10	Cum.	1.34	10021.98		13429.45	
425		IN FF, C. basin slab 2x3.1x0.75x0.10	Cum.	0.94	10537.40		9905.16	
426	OSR AR 2006 item no-9 SR 2022	Supplying all materials, labour, T&P and providing steel reinforcement of Fe-415 /Fe-500 grade for RCC work including cutting,bending, binding and tying the grills and placing in position including cost of binding wire 18 to 20 gauge, cost of steel, conveyance of all materials to worksite, payment of royalty,all taxes etc all complete as per PWD specification and direction of the Engineer-in-charge.			0.00		0.00	
427		0.80 qntl/ cum						
427		In GF,	Qntl.	1.08	11044.80		11928.38	
428		IN FF	Qntl.	0.76	11084.21		8424.00	
429	OSR AR 2006 item no-17 SR 2022	Supplying all materials, labour, T&P and fixing Granite tiles in dados skirting on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per direction of the Engineer in charge In Ground floor	Sqm	26.66	3816.47		101747.20	
430		IN FF	Sqm	16.30	3840.78		62604.75	
431	OSR AR 2006 item no-4 SR 2022	Supplying all materials, labour, T&P and providing 12mm thick cement plaster (1:4) on brickwork including watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per specification and direction of the Engineer in charge. Ground Floor;-	Sqm	368.34	240.84		88710.27	
432		First Floor	Sqm	403.20	250.28		100912.09	
433	OSR AR 2012 item no- 1(B) SR 2022	Supplying all materials, labour, T&P and providing ceramic tiles in floors, treads and landing on 25mm thick bed of cement mortar 1:1 (1 cement:1 sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing complete as per direction of the Engineer in charge. to be pre-approved 300 x 300mm of size In Ground Floor	Sqm	112.02	1405.26		157417.45	
434		First Floor	Sqm	125.90	1421.55		178972.64	
435	OSR AR 2006 item no- 17 SR 2022	Supplying, fitting & fixing of 400 x 400 mm special plain/printed series Ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm conforming to IS 13753 laid on 10 mm thick cement mortar (1:3) Spacer Bar of 3mm (1 cement : 3 course sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge.			0.00		0.00	
436		Ground Floor:-	Sqm	368.34	1491.17		549256.08	
437		First Floor	Sqm	403.20	1515.47		611039.12	
438		EXTERNAL PH WORK			0.00		0.00	
439	AR 2013 Item no-5.7	Sinking of 150mm size tube well through hand boring(water jet)method (1 nos.)			0.00		0.00	
440	AR 2013 Item no-5.7.1	Supplying all materials, labour, T&P and setting up boring equipments including erection of suitable staging for installation of the required size of tube well, dismantling and removing the same after completion of the work, including transportation of the boring equipments, cleaning and levelling the site, excavation of mud pit, channels etc, levelling of site all complete as per direction of Engineer in charge	Each	2.00	20317.36		40634.72	
441	AR 2013 Item no-5.7.2	Supplying all labour, T&P and transporting the boring pipes, top casing , grouting pipes, P.V.C pipes and fittings, P.V.C well screens, cement, bentonite and gravels etc to the worksite including loading and unloading etc all complete as per direction of Engineer in charge	Each	2.00	1558.31		3116.62	
442	AR 2013 Item no-5.7.3	Supplying all labour, T&P and drilling pilot bore not less than 102mm dia, without casing pipes in all kinds of soils and rocks for the following depths excluding supply of necessary boring pipes including supply of necessary cutting equipments, extra sockets (whenever required) etc and withdrawing the boring pipes, washing and keeping the bore clear for logging if required all complete as per direction of Engineer in charge			0.00		0.00	
443		Drilling pilot bore from 0 to 360 metres	Mtr	200.00	1661.91		332382.40	
444	AR 2013 Item no-5.7.5	Supplying all labour, T&P and reaming the pilot bore to the following sizes and depths without casing pipes including withdrawing the boring pipes, washing the bore by means of pipe cylinder etc all complete as per direction of Engineer in charge			0.00		0.00	
445		Reaming 100mm to 150mm dia			0.00		0.00	
446		from 0 to 360 metres	Each mtr	200.00	287.57		57513.20	
447		Reaming 150mm to 200mm dia			0.00		0.00	
448		from 0 to 360 metres	Each mtr	200.00	340.08		68015.20	
449		Reaming 200mm to 250mm dia			0.00			
450		from 0 to 360 metres	Each mtr	200.00	376.54		75307.60	
451	AR 2013 Item no-5.7.6	Supplying all labour, T&P and jointing materials and lowering the 300mm dia top casing pipes into the position and removing the same after use all complete as per direction of Engineer in charge			0.00			
452		from 0 to 360 metres	Each	4.00	2682.85		10731.39	
453	AR 2013 Item no-5.7.7	Supplying all labour, T&P and jointing materials and lowering the pvc casing pipes, fittings and well screens in position, including fitting and fixing of centraliser, cutter plug and washing the bore all complete as per direction of Engineer in charge			0.00			
454		150 mm dia PVC casing pipe			0.00			
455		from 0 to 360 metres	Mtr	200.00	205.44		41087.60	
456		Cost of 150 mm dia PVC ASTM pipe (sch-80)	Mtr	204.00	1476.65		301237.01	
457		Cost of 150mm dia PVC slott cutting	Mtr	40.00	413.00		16520.00	
458		Cost of 150mm dia C.I. cutter plug	Nos	4.00	413.00		1652.00	
459		Cost of bentonite powder	Qtl	20.00	386.21		7724.28	

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					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
460	AR 2013 Item no-5.7.9	Supplying all materials, labour, T&P and packing the bore with washed gravel of river shingles of required size and specification around the well screen and pipe etc all complete as per the direction of the Engineer in charge	cum	4.00	2875.42		11501.70	
461		Supplying all materials, labour, T&P and packing the bore with river sand over the gravel pack etc all complete as per the direction of the Engineer in charge	cum	4.00	182.31		729.24	
462	AR 2013 Item no-5.7.10	Supplying all labour T&P and grouting with cement slurry for sanitary sealing in the bore around the upper most 3 metres of 125/100mm dia PVC casing pipe etc all complete as per the direction of the Engineer in charge.	Each	4.00	2173.68		8694.71	
463		Cost of Cement	Qtls	4.00	614.37		2457.47	
464	NSR	Supplying all labour, T&P and developing the tube well by 8 hours continuous pumping per day for a minimum of 7 cosecutive days or till clear sand free water is obtained as per the direction of the Engineer in charge	Each	4.00	0.00	2806.16		11224.63
465	NSR	Fixing of submerssible pump set			0.00			
466	NSR	Supplying all materials, labour, T&P and providing, fitting and fixing submersible pump with squirrel cage induction type submersible type submersible electric motor to run on 3 phase/1 phase line voltage ranging from 320 volt to 450 volt conforming to IS: 8034/89 with following specifications with suitable control panel, jointing with GI/PVC/HDPE pipes, electrification, testing, commissioning, trial running, conveyance of all materials to worksite, payment of taxes etc all complete as per specification and direction of the Engineer in charge			0.00			
467	NSR	1.50 H.P single phase (vertcal submersible pump motor) 3 stage head range 20 to 35 metres, discharge 145 to 110 L.M.P with outlet dia of 25mm	Each	4.00	0.00	17936.00		71744.00
468	NSR	DOL Control panel	Each	4.00	0.00	4490.49		17961.96
469	NSR	2.50sqmm flat cable	Mtr	190.00	0.00	151.16		28720.02
470	NSR	20mm dia rigid UPVC pipes	Mtr	120.00	0.00	8.14		977.04
471	NSR	Steel rope with cover	Mtr	140.00	0.00	31.51		4410.84
472	NSR	Well cap	Each	4.00	0.00	179.71		718.86
473	NSR	50mm size CI bracket	Each	8.00	0.00	107.73		861.87
474	NSR	32mm dia steel short piece	Each	4.00	0.00	179.71		718.86
475	NSR	Labour charges for lowering including transportation	Each	4.00	0.00	2360.00		9440.00
476	NSR	Supplying all materials, labour, T&P and constructing Bore well protection chamber of the inside size 650x650x1000hight with cement concrete (1:3:6) using 40mm size hard granite metal on foundation, 1st class Fly ash brickwork in cement mortar (1:3), with base cement concrete (1:2:4) using 12mm size h.g chips, 12mmthick cement plaster (1:4) inside and outside, R.C.C cover slab in (1:1.5:3) using 12mm size h.g chips, earthwork in excavation in all kinds of soil and refilling the cavity around the chamber including watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per approved specification and direction of the Engineer in charge.	Each	4.00	0.00	15472.16		61888.64
477	NSR	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor HDPE pipes and pipe fittings conforming to IS: 4984/2000 (10kgf/sqcm) of the following nominal bore with clamps and jointing by Fusion welding method including testing, making good the wall, ceiling and floor all complete as per specification and direction of the Engineer in charge			0.00			
478	NSR	32mm HDPE pipes	mtr	290.00	0.00	117.76		34151.56
479	AR 2013 Item no-3.6.1	Supplying all materials, labour, T&P and constructing gully trap chamber of the following inside size with 8cm thick R.C.C precast cover slab in cement concrete (1:2:4) mix using 12mm size h.g chips, foundation concrete (1:4:8) using 40mm size hard granite metal on bed and around trap, KB brickwork in cement mortar (1:6) in F&P and inside 12mm thick cement plastering (1:3) finished with a floating coat of neat cement including fixing 100mmx100mm size HCl gully trap, 150mmx150mm size CI grating etc all complete as per approved drawing, specification and direction of the Engineer in charge. Inside size 250mmx250mm	Each	20.00	2146.18		42923.68	
480	NSR	Supplying all materials, labour, T&P and constructing inspection chamber of the following size with cement concrete(1:3:6) using 40mm size hard granite metal on bed, 1st class fly ash brickwork in cement mortar(1:6), moulding and shaping the channel inside and benching with cement concrete (1:2:4) using 12mm size h.g chips, 12mmthick cement plaster (1:3) with punning to inside, cement flush pointing (1:3) to outside, RCC cover slab in (1:1.5:3) using 12mm size h.g chips with RCPC man hole cover, earthwork in excavation in all kinds of soil and refilling the cavity around the chamber including watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per approved specification and direction of the Engineer in charge. Inside size 760mmx760mmx460mm	Each	28.00	0.00	12911.09		361510.46
481		R.C.P.C Cover	Each	44.00	0.00	1289.86		56753.75
482	NSR	Supplying all materials, labour, T&P and constructing man hole chamber of the following size with cement concrete(1:3:6) using 40mm size hard granite metal on bed, fly ash brickwork in cement mortar(1:6), moulding and shaping the channel inside and benching with cement concrete (1:2:4) using 12mm size h.g chips, 12mmthick cement plaster (1:3) with punning to inside, cement flush pointing (1:3) to outside, R.C.C cover slab in (1:1.5:3) using 12mm size h.g chips with RCPC man hole cover, earthwork in excavation in all kinds of soil and refilling the cavity around the chamber including watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per approved specification and direction of the Engineer in charge. Inside size 910mmx910mmx910mm	Each	12.00	0.00	25226.98		302723.81
483	NSR	Supplying all materials, labour, T&P and constructing soakway pit of the following size with dry brick walling from bottom upto invert of inlet pipe and fly ash brickwork in cement mortar (1:6) for the remaining height at top, cement concrete (1:4:8) using 40mm size hg chips on bed, 12mm thick cement plaster (1:4) inside and outside over masonry brickwork, gravel backing in the rear of well steining, RCC cover slab in cement concrete (1:2:4) using 12mm size hg chips fitted with iron lifting handles including earthwork in open well excavation in all kinds of soil and refilling of cavity around the pit & painting the iron works, watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per approved specification and direction of the Engineer in charge. 1.40m dia x 2.00m deep soakway pit	Each	6.00	0.00	30316.56		181899.36
484	NSR	Supplying all materials, labour, T&P and laying in trenches (to level or slope) unplasticized PVC pipes conforming to IS: 4985/2000 of the following outside dia for class-3(0.60mpa) including jointing with supply of approved solvent cement by non-heat application method/as per manufacturer's specification, providing and laying in trench cement concrete (1:4:8) with 40mm size hard granite metal in the Type C-1 standard bedding surrounding or encasing including concrete for bedding and curing etc all complete as per PH specification and direction of the Engineer in charge.			0.00		0.00	
485	NSR	110mm dia U-PVC Around Concrete	Mtr	60.00	0.00	1534.71		92082.48
486	NSR	160mm dia U-PVC Around Concrete	mtr	178.00	0.00	2488.62		442974.36
487		Construction 1 nos 100 users RCC Septic tank			0.00		0.00	
488	OSR AR 2006 item no 1a SR 2022	Earth work in excavation of foundation in all kinds of soil within 50m initial lead and 1.5m initial lift including rough dressing & breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of the Engineer-in-Charge.			0.00		0.00	
489		1x9.90mx4x1.50m=	cum	118.80	367.57		43667.32	
490		- do - with addl. Depth of 1.5 m			0.00		0.00	
491		1x9.90mx4x0.95m=	cum	75.24	394.09		29650.76	

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					SCHEDULED	NON SCHEDULED	SCHEDULED	NON SCHEDULED
492	OSR AR 2006 item no 15 SR 2022	Supplying all materials,labour ,T&P and filling in foundation and plinth with sand well watered and rammed including cost, conveyance of all materials to work site ,payment of royalty,taxes etc. all complete as per direction of the Engineer-in - charge			0.00		0.00	
493		In ground floor 1x9.90mx4x0.15m=	cum	11.88	1995.03		23700.91	
494	OSR AR 2006 item no 3 SR 2022	Providing and laying plain cement concrete of (1:3:6) in foundation and floors using 40mm. size black hard crusher broken granite stone metal and screened and washed sharp sand for mortar of approved quality and from approved quarry including hoisting, lowering, laying concrete, ramming, watering and curing etc. complete including cost, conveyance, royalties and cost of all labours,labour cess, T&P etc complete as per specification & direction of the Engineer-in-charge.			0.00			
495		In ground floor 1x9.90mx4x0.15m=	cum	11.88	8186.60		97256.86	
496	OSR AR 2006 item no 7 SR 2022	Supplying all materials, labour, T&P and providing cement concrete (1:2:4) with 12mm size crusher broken hard black granite chips including watering, curing,cost of all materials, conveyance of all materials to work site with payment of royalty, all taxes etc all complete as per P.W.D specification and direction of Engineer-in-charge			0.00			
497		In ground floor	cum	6.94	9927.81		68899.02	
498	OSR AR 2006 item no 2 SR 2022	Supplying all materials, labour, T&P and providing cement concrete (1:1:5:3) with 12mm size hard broken granite chips for R.C.C works including hoisting, laying, watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per specification and direction of the Engineer in charge	cum	55.74	10658.35		594096.43	
499	OSR AR 2006 item no-10 SR 2022	Supplying all materials, labour, T&P and providing rigid and smooth centering and shuttering for R.C.C works including false work and dismantling them after casting including conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per specification and direction of the Engineer in charge			0.00			
500		For Roof slab	sqm	74.30	907.66		67438.84	
501		For RCC wall	sqm	256.80	1283.37		329568.90	
502	OSR AR 2006 item no-9 SR 2022	Supplying all materials, labour, T&P and providing M.S reinforcement for R.C.C work including cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge, conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per specification and direction of the Engineer in charge			0.00			
503		In ground floor	Qntl	44.60	10488.31		467778.72	
504	OSR AR 2006 item no-27 SR 2022	6 mm thick Cement Plaster(1:4) to RCC surface finished smooth including closed deep chipping & slurry treatment (per one Sq. Mtr.)	sqm	167.64	246.86		41382.94	
505	OSR AR 2006 item no-6 SR 2022	Supplying all materials, labour, T&P and providing cement punning including watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per specification and direction of the Engineer in charge	sqm	167.64	262.55		44013.88	
506	NSR	Supplying all materials, labour, T&P and providing,fitting and fixing 100mm x 100mm x 100mm SW Tee in wall including filling the recess with cement concrete (1:3:6) with 12mm size h.g chips all complete including watering, curing, conveyance of all materials to worksite, payment of royalty all complete as per specification and direction of the Engineer in charge.	Each	4.00	0.00	506.57		2026.30
507	NSR	Supplying all materials, labour, T&P and making MS step iron in 20mm diameter MS steel bars and fixing into walls of man hole/septic tank duly embedded in cement concrete (1:3:6) complete as per specification and direction of the Engineer in charge.	Each	20.00	0.00	337.83		6756.68
508	OSR AR 2006 item no-14 SR 2022	Filling in foundation and plinth with excavated materials, moorum including watering and ramming as directed by the Engineer in charge	cum	21.60	204.26		4411.97	
							5607620.07	3633090.58