

**BOQ**  
**PROPOSED NAGAR PANCHAYAT OFFICE , Prabatta, Khagaria**  
**CIVIL WORKS**

SL NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	2.29.1	Surface dressing of the ground				
			sqm	483.12		
		Total	sqm	55.53		
		Total Qty. In term of	sqm	538.65		
2	2.8.1	Earth work in excavation in foundation trenches	100sqm	5.39	1355.4	7306
		F3		27.46		
		Total	Cum	27.46	360.7	9905
3	2.6.1	Earth work in excavation over areas				
		F1		81.58		
		F2		354.87		
		F4		101.50		
		F5		293.38		
		Total	Cum	831.33	314.9	261786
4	2.26	Earth work in back filling				
		Total E/W in excavation (2.8.1+2.61	cum	858.79		
		Less local sand filling in foundation	cum	-45.82		
		Less one brick flat soling in foundati	cum	-24.11		
		LessPCC in foundation	cum	-32.80		
		LessRCC in foundation	cum	-139.32		
		Total	cum	616.74	123.9	76414
5	2.27.1	Extra for every additional lift of 1.5 m or part thereof in :				
		F3		9.74		
		F1		28.95		
		F2		125.92		
		F4		36.02		
		F5		104.10		
		Total	cum	304.73	49.4	15054
6	2.28	S/Filing Local sand in Foundation&Plinth				
		(a) Foundation				
		F1		4.19		
		F2		18.61		
		F3		1.26		
		F4		5.56		
		F5		16.22		
		Sub Total of (a )	cum	45.82		
		(b ) Plinth				
		plinth area	sqm			
		Portico				
		Total plinth area	sqm			
		Qty of sand	cum	427.55		
		Portico	cum	-19.78		
		Verandah	cum	3.35		
		Ramp	cum	2.08		
		Less one brick flat soling in plinth	cum	-22.85		
		Less PCC in plinth	cum	-30.46		
		Less RCC in tie beam	cum	-37.54		
		Less brick work in plinth	cum	-9.47		
		Less brick work in plinth	cum	-0.47		



		Sub Total of (b )	cum	312.41		
7	4.1	Total sand filling(a+b)	cum	358.24	287.3	102922
	4.1.8	P/L PCC In				
		PCC 1:4:8				
		(a) in foundation under footing				
		F1		2.79		
		F2		12.40		
		F3		0.84		
		F4		3.70		
		F5		10.81		
		Verandah & step as per Sec 1-1		0.93		
		Ramp as per Sec 2-2		1.28		
		Ramp as per Sec 2-2		0.04		
		Total	cum	32.80	2975.2	97587
	4.1.3	PCC 1:2:4				
		(b) in plinth under floor				
		Vide-2.28(b)	sqm			
		under step	cum			
		Ramp	cum			
		Less plan area of beam/wall at plint	sqm			
		Less plan area of beam/wall at plint	sqm			
		Sub Total of PCC area	sqm			
		Qty of PCC in plinth	cum	31.07		
		Verandah	cum	0.28		
		Ramp	cum	0.33		
		Total PCC In plinth	cum	31.68	3998.1	126660
8	4.3.1	Centering and shuttering for PCC work				
		F1		3.70		
		F2		14.92		
		F3		1.66		
		F4		3.58		
		F5		9.89		
		Verandah & step as per Sec 1-1		2.69		
		Ramp as per Sec 2-2		3.82		
		Ramp as per Sec 2-2		0.33		
		under step		0.34		
		Total	sqm	40.93	211.1	8640
9	4.2.6	PCC above plinth				
	4.2.6	PCC 1:3:6 In sunken slab filling		0.59		
		Toilet sunken		0.71		
		Toilet sunken		1.38		
		Toilet sunken		1.10		
		Toilet sunken		0.91		
		Toilet sunken		1.36		
		Toilet sunken		2.66		
		Total	cum	8.72	4410	38455
10	4.11	Providing 50 mm th. DPC at plinth level				
		wall	sqm	38.05		
		wall	sqm	7.18		
		Total	sqm	45.23	245.6	11108
11	4.12	Extra for providing water proofing	per 50 kg cement	14.47	57.16	827

90

SR



12	4.17	P/Lplinth protection				
		plinth protection		46.53		
		plinth protection		2.25		
		<b>Total</b>	<b>sqm</b>	<b>48.78</b>	<b>436.6</b>	<b>21297</b>
13	5.33	Prov.RCC M25				
	5.33.1.1	All work up to plinth level				
		(a) Footing				
		F1		7.28		
		"		3.32		
		Pedestal		0.00		
		F2		32.76		
		"		14.47		
		Pedestal		0.00		
		F3		1.71		
		"		0.88		
		Pedestal		0.00		
		F4		20.05		
		F5		58.86		
		<b>Sub total</b>	<b>cum</b>	<b>139.32</b>		
		(b) Tie beam/ Plinth beam				
		(i) Tie beam				
				0.00		
		<b>Total of tie beam</b>	<b>cum</b>	<b>0.00</b>		
		(b) Plinth beam				
		along grid-A,G(PB1)		6.62		
		along grid-C (SB1A)		1.10		
		along grid-D(PB2)		1.62		
		along grid-D(PB2B)		0.59		
		along grid-E(PB2A)		3.28		
		along grid-1(PB3)		2.72		
		along grid-2 to 7(PB4 &5)		15.85		
		SB1		0.95		
		SB1		0.46		
		SB1		0.93		
		SB1B		1.40		
		SB1		0.47		
		SB1		0.47		
		SB1		0.37		
		SB2		0.31		
		SB2		0.15		
		SB2		0.26		
		<b>Total of plinth beam</b>	<b>cum</b>	<b>37.54</b>		
		(c) Column				
		Column under foundation-F1		1.92		
		Column under foundation-F2		7.06		
		Column under foundation-F3		0.70		
		Column under foundation-F4		2.57		
		Column under foundation-F5		6.41		
		<b>Sub total of column</b>	<b>cum</b>	<b>18.66</b>		
		(d) at PL				
		Stair & Verandah slab		1.14		
		Step		0.15		
		Ramp slab		1.06		

PA

✓



	Main Stair		0.44		
	Total	cum	2.79		
	(e) band at PL				
	0		0.00		
	Total	cum	0.00		
	Total RCC up to plinth	cum	198.31	5063.4	1004123
5.33.2.1	All work from plinth level upto floor V level				
	(a) Walls columns, pillars, posts and struts				
	C1		19.93		
	C2		26.57		
	Round column C3		1.74		
	Mumty column C2		3.90		
	Stiffner in parapet		1.98		
	Stiffner in parapet		0.38		
	Sub total	cum	54.50		
	wall				
	water tank wall		4.74		
	water tank wall		0.00		
	Sub total	cum	4.74		
	Total	Cum	59.24		
	roof beam, Roof slab, Lintel, Stair				
	(b) Beam				
	(i) Gr. Floor roof beam				
	along grid-A(RB1)		3.31		
	along grid-C (SB1A)		1.10		
	along grid-D(RB2)		1.62		
	along grid-D(RB2B)		0.54		
	along grid-E(RB2A)		3.23		
	along grid-G(RB3)		3.31		
	along grid-1(PB3)		2.72		
	along grid-2 to 7(PB4 & 5)		15.85		
	SB1		0.95		
	SB1		0.93		
	SB1		0.46		
	SB1		0.47		
	SB1		0.47		
	SB1		0.37		
	SB2		0.31		
	SB2		0.15		
	SB2		0.28		
	SB2		0.26		
	sub total of Gr. Floor roof beam	cum	36.34		
	(ii) 1st floor roof beam :				
	along grid-A(RB1)		3.31		
	along grid-B & F(RB1A)		1.83		
	along grid-C (SB1A)		1.10		
	along grid-D(RB2)		1.62		
	along grid-D(RB2B)		0.54		
	along grid-E(RB2A)		3.23		



	along grid-G(RB3)		3.31		
	along grid-1(PB3)		2.72		
	along grid-2 to 7(PB4 &5)		15.85		
	along grid-8(RB6)		0.90		
	<b>Total of 1st floor roof beam</b>	<b>cum</b>	<b>34.41</b>		
	<b>above terrace floor beam</b>				
	(iii) Mumty beam				
	along grid-A,D(RB1)		1.08		
	along grid-6,7 (RB2)		2.23		
	Sub total of beam above terrace	<b>cum</b>	<b>3.31</b>		
	<b>total of beam</b>	<b>cum</b>	<b>74.05</b>		
	<b>(c) slab</b>				
	<b>(i) Gr. floor roof slab</b>				
	roof area	sqm			
	Gr. Floor roof area	sqm			
	floor slab	<b>cum</b>	<b>40.96</b>		
	Projction slab		1.34		
	Projction slab		1.13		
	Projction slab		1.11		
	Projction slab		0.51		
	Projction slab		2.04		
	additional depth of slab S1		0.48		
	additional depth of slab S1		0.32		
	additional depth of slab S1		0.81		
	additional depth of slab S2		0.51		
	additional depth of slab S2		0.28		
	additional depth of slab S1		1.47		
	additional depth of slab S1		0.36		
	Less -Less stair		-1.12		
	Less -1st floor beam		-6.56		
	Less -1st floor beam		-0.97		
	<b>sub total of Gr. Floor roof slab</b>	<b>cum</b>	<b>42.67</b>		
	<b>(ii) 1st floor roof slab</b>				
	roof area	sqm			
	Portico				
	1st. Floor roof area	sqm			
	floor slab	<b>cum</b>	<b>54.39</b>		
	Projction slab		1.61		
	Projction slab		1.36		
	Projction slab		1.34		
	Projction slab		0.61		
	Projction slab		2.46		
	Projction slab		0.20		
	Projction slab		0.32		
	Less in slab S3		-0.50		
	Less in slab S3		-0.17		
	Less -Less stair		-1.35		
	Less -1st floor beam		-8.58		
	Less -1st floor beam		0.00		
	<b>Sub Total of 1st floor roof slab</b>	<b>cum</b>	<b>51.70</b>		
	<b>above terrace</b>				
	mumty slab		5.11		
	Water tank cover slab		4.67		

*(Signature)*

*(Signature)*



	Less beam		-1.11		
	Less beam		0.00		
	sub total of above terrace slab	cum	8.67		
	Total(c)	cum	103.04		
	(d) Lintel & band- over wall				
	(i) Lintel over 250mm thick wall				
	D1				
	D2		0.10		
	D3		0.07		
	D5		0.47		
	D4		0.11		
	CG1		0.25		
	CG2		0.00		
	W		0.00		
	W1		0.23		
	W1		1.50		
	W2		0.16		
	W3		0.13		
	W3		0.13		
	W4		0.07		
	V1		0.10		
	V2		0.27		
	Sub Total		0.39		
		cum	3.98		
	(ii) band over 250mm thick wall				
	parapet		2.04		
	parapet		0.00		
	Sub Total		2.04		
		cum	2.04		
	(iii) Lintel over 125mm thick wall				
	D3		0.06		
	D2		0.03		
	over partition		0.64		
	D1		0.00		
	D2		0.00		
	D3		0.00		
	D5		0.11		
	D4		0.10		
	CG1		0.00		
	CG2		0.00		
	W		0.00		
	W1		0.00		
	W2		0.00		
	V2		0.00		
	Sub Total		0.94		
		cum	0.94		
	(iv) band over 125mm thick wall				
	parapet		0.09		
	parapet		0.00		
	Sub Total		0.09		
		cum	0.09		
	(e) Stair case				
	Waist slab		2.86		
	Step		1.28		
	Sub Total(e)		4.14		
		cum	4.14		
	(f) Chajja				
	W1		0.12		



		mumty		0.04		
		<b>Sub Total (f)</b>	cum	<b>0.17</b>		
		(g) Shelves cast in situ	.			
		basin platform		0.24		
		basin platform		0.27		
		basin platform		0.04		
		Pantry platform		0.55		
		Reception platform		0.33		
		<b>Sub Total (g)</b>	cum	<b>1.43</b>		
		(h) Jafri/Facia				
				0.00		
				0.00		
		<b>Sub Total (h)</b>	cum	<b>0.00</b>		
		<b>Total of Column,Beam, Slab ,etc</b>	cum	<b>242.07</b>	<b>5863.2</b>	<b>1419305</b>
14	5.35	Add for using extra cement in the items of				
		RCC vide 5.33.1	cum			
		RCC vide 5.33.2	cum			
		Total RCC	cum			
		Cement	bag	290.65		
		<b>Total in quintel</b>	quintel	<b>145.33</b>	<b>609.3</b>	<b>88550</b>
15	5.9	<b>Centering&amp;shuttering</b>				
	5.9.1	<b>Foundation</b>				
		F1		10.32		
		F2		41.94		
		F3		3.73		
		F4		20.46		
		F5		56.73		
		<b>Total</b>	sqm	<b>133.18</b>	<b>211.6</b>	<b>28181</b>
	5.9.2	<b>wall</b>				
		water tank wall		46.23		
		water tank wall		0.00		
		<b>Total</b>	sqm	<b>46.23</b>	<b>375.1</b>	<b>17341</b>
	5.9.3	<b>Roof&amp;landing</b>				
		Plinth slab	sqm	<b>0.00</b>		
		Roof&landing Vide 5.3(b)	sqm	<b>811.37</b>		
		<b>Total</b>	sqm	<b>811.37</b>	<b>437.5</b>	<b>354974</b>
	5.9.4	<b>Shelves (Cast in situ)</b>				
		Shelves	sqm	19.05		
		<b>Total</b>	sqm	<b>19.05</b>	<b>437.5</b>	<b>8334</b>
	5.9.5	<b>beam</b>				
		plinth beam		79.17		
		plinth beam		161.44		
		plinth beam		54.76		
		Roof beam		217.06		
		Roof beam		36.73		
		Roof beam		235.79		
		mumty Roof beam		22.67		
		<b>Total</b>	sqm	<b>807.63</b>	<b>404.7</b>	<b>326848</b>
	5.9.6	<b>Column</b>				
		column up to plinth				
		Column under foundation-F1		15.79		
		Column under foundation-F2		57.89		
		Column under foundation-F3		6.86		

(14)

15



		Column under foundation-F4		21.05		
		Column under foundation-F5		52.63		
		Column above plinth				
		C1		163.52		
		C2		218.03		
		Round column C3		17.11		
		Mumty column C2		32.02		
		Stiffner in parapet		23.79		
		Stiffner in parapet		4.50		
		<b>Total</b>	<b>sqm</b>	<b>613.20</b>	<b>494.4</b>	<b>303166</b>
5.9.7		Stair				
		Waist slab		19.07		
		Waist slab side		4.26		
		Step face		9.22		
		Step side		1.87		
		<b>Total</b>	<b>sqm</b>	<b>34.42</b>	<b>439.9</b>	<b>15141</b>
5.9.14		Extra for shuttering in circular work (20% of respective centring and shuttering items)				
		Round column C3		2.14		
		Round column C3		3.42		
		<b>Total</b>	<b>sqm</b>	<b>5.56</b>	<b>20.2</b>	<b>112</b>
5.9.15		Lintel (up to 1.5m span)				
		Lintel		57.22		
		Lintel		20.97		
		band at plinth level		0.00		
		band at lintel level		0.00		
		band at parapet level		17.84		
		<b>Total</b>	<b>sqm</b>	<b>96.02</b>	<b>224.2</b>	<b>21528</b>
5.9.16.1		Edges of slab under 20 cms wide				
		Landing slab		4.67		
		Projection slab		123.23		
		Projection slab		123.23		
		Projection slab		15.24		
		mumty slab		23.07		
		<b>Total</b>	<b>m</b>	<b>289.45</b>	<b>130.2</b>	<b>37686</b>
5.9.19		chajja	<b>sqm</b>	<b>2.23</b>		
		face of chajja		0.36		
		side of chajja		0.00		
		side of chajja		0.21		
		<b>Total</b>	<b>sqm</b>	<b>2.80</b>	<b>550.9</b>	<b>1543</b>
16	5.11.1	Extra for additional height In centring,				
		Portico	<b>sqm</b>	<b>98.90</b>		
		mumty	<b>sqm</b>	<b>13.02</b>		
		<b>Total</b>	<b>sqm</b>	<b>111.92</b>	<b>174</b>	<b>19474</b>
17	5.22	Reinforcement for RCC work				
		Footing	<b>kg</b>			
		Tie beam	<b>kg</b>			
		Plinth beam	<b>kg</b>			
		Column	<b>kg</b>			
		beam	<b>kg</b>			
		Slab	<b>kg</b>			

920

8



		Lintel ,staircase, chajja, stiffner etc	kg			
		Total Reinforcement	kg			
		Total RCC	cum	14356		1683137
			kg	17810.97	94.5	141075
5.22.7A		TMT 8mm dia	kg	842	92.6	955754
5.22.7B		TMT 10mm dia	kg	1391	90.8	1498642
5.22.7C		TMT 12 mm dia	kg	1446	91.7	843303
5.22.7D		TMT 16mm dia	kg	900	91.7	0
5.22.7E		TMT 20 mm dia	kg	0.00		
5.22.7F		TMT 25 mm dia	kg			
		Total	cum			
		Check:-RCC	sqm			
		GR Floor area	sqm			
		1st floor area	sqm			
		Mumty	sqm			
		Total area -	sqm			
		i.e. Per Sqm of roof area	cum			
		Check:- steel	Kg			
		Steel In KG Per Sqm of Roof area	kg			
		Steel - In Kg Per Cum of RCC	kg			
		% of steel-along with RCC(by volume)	%			
18	6.1C	Brick work with Fly Ash bricks				
	6.1.12 C	(i) Half brick work in cm 1:4				
		(a) up to plinth		3.721		
		duct wall		3.72		
		Total 125 mm Th B/W up to plinth	sqm			
			cum	0.47	5116.3	2405
		Total	cum			
	6.1.14 C	Brick work in Cm 1:6 in F/p				
		(a) in foundation & plinth		0.63		
		Verandah & step as per Sec 1-1		1.66		
		"		0.86		
		Ramp as per Sec 2-2		2.28		
		"		0.04		
		Ramp as per Sec 2-2		0.17		
		"		0.69		
		Side step		0.12		
		"		0.06		
		"		6.50		
		Sub total of(a-i)	cum			
		(ii) plinth		4.67		
		along grid-A,G		0.07		
		along grid-D,E		1.92		
		along grid-1		1.86		
		along grid-7		0.17		
		Step wall		0.29		
		Verandah & step as per Sec 1-1		0.07		
		"		0.43		
		Ramp as per Sec 2-2	cum	9.47		
		Sub total of(a-ii)	cum	15.96		
		Total of (a)				

13,56,642.00  
7,79,692.00  
12,63,891.00  
13,26,624.00  
8,28,942.00

94

8





		(b) in S/S				
		Gr. floor	cum			
		along grid-A,G		23.55		
		along grid-C		4.05		
		along grid-D		5.49		
		along grid-E		9.13		
		along grid-1		9.96		
		along grid-2,3,4,6		32.91		
		along grid-5		4.09		
		along grid-7		9.68		
		below reception counter		0.68		
		1st floor	cum			
		along grid-A,G		23.99		
		along grid-C		4.13		
		along grid-D		5.59		
		along grid-E		9.30		
		along grid-1		10.14		
		along grid-2,3,6		25.14		
		along grid-4		4.16		
		along grid-7		9.86		
		Toilet wall		1.75		
		below reception counter		0.68		
		As per elevation		1.69		
		mumty				
		along grid-A,D		3.37		
		along grid-6,7		6.99		
		Mumty floor		0.95		
		As per elevation		0.38		
		Parapet over portico		0.57		
		Parapet main		19.24		
		Parapet over mumty		3.80		
		Less RCC in lintel	cum	-3.98		
		Less RCC in band	cum	-2.04		
		Less opening :				
		D1		-1.41		
		D2		-0.66		
		D3		-4.36		
		D5		-1.00		
		D4		-2.07		
		W		-2.08		
		W1		-12.38		
		W1		-1.30		
		W2		-0.95		
		W3		-1.04		
		W3		-0.52		
		W4		-0.91		
		V1		-1.33		
		V2		-1.49		
		Total B/W In S/S	cum	193.77		
		Total of (a+b)	cum	209.73	4923	1032501
		Extra for Brick work in superstructure above				
19	6.3C	Vide-6.1.14C	cum	193.77		
		Total B/W In S/S	cum	193.77	842.2	163193

18

9A



20	6.45	Half brick masonry with non modular fly ash bricks of class designation 10, conforming IS :12894, in superstructure above plinth and upto floor V level.				
	6.45.2	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
		in S/S :				
		(i) in main wall				
		Gr floor				
		Toilet wall		6.993		
		Toilet wall		1.631		
		Toilet wall		16.305		
		Toilet wall		4.892		
		Toilet wall		9.302		
		Cell room wall		8.153		
		Pantry		15.009		
		wall		48.916		
		wall		28.896		
		Below pantry platform		0.555		
		1st. Floor				
		Toilet wall		8.392128		
		Toilet wall		1.95688		
		Toilet wall		19.5688		
		Toilet wall		5.87064		
		Cell room wall		9.7844		
		Pantry		18.01292		
		wall		16.6103		
		wall		19.5688		
		Below pantry platform		0.5551		
		as per elevation :				
		duct wall		37.1734		
		Filling wall		19.093		
		Filling wall		19.093		
		Filling wall		4.6665		
		above terrace				
		mumty railing		2.09		
		around water tank		23.11		
		duct wall		7.442		
		Parapet		0.00		
		Parapet over mumty		0.00		
		LessRCC in lintel	sqm	-7.41		
		LessRCC in lintel	sqm	-0.75		
		Less opening :				
		D3		-4.27		
		D2		-3.16		
		over partition		-2.71		
		D3		-15.54		
		D5		-9.48		
		over partition		-18.76		
		"		-13.02		
		D1		0.00		



		D2		0.00		
		D3		0.00		
		D5		-7.81		
		D4		-6.49		
		CG1		0.00		
		W		0.00		
		W1		0.00		
		W2		0.00		
		V2		0.00		
		<b>Total 125 mm Th B/W inS/S</b>	<b>sqm</b>	<b>264.24</b>		
		<b>(ii) brick work in cm 1:4</b>				
		in sailing coarse along parapet				
		main		7.23		
		Portico		2.30		
		mumty		4.35		
		<b>Total</b>	<b>sqm</b>	<b>13.88</b>		
		<b>Total</b>	<b>sqm</b>	<b>278.11</b>	<b>700.8</b>	<b>194899</b>
<b>21</b>	<b>6.21A</b>	<b>Extra for providing 2 nos 6 mm dia ms bars</b>				
		<b>Qty same as 125 mm Th B/W</b>	<b>sqm</b>	<b>267.96</b>	<b>113.6</b>	<b>30440</b>
<b>22</b>	<b>26.86</b>	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceostory windows & other Frames/Chowkhat				
	<b>26.86.6</b>	Frame size 65 x 125 mm				
		D4		45.27		
		<b>Total</b>	<b>m</b>	<b>45.27</b>	<b>1182.9</b>	<b>53550</b>
<b>23</b>	<b>26.87</b>	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain type flush door shutter				
	<b>26.87.1</b>	30 mm thick				
		D4		12.38		
		<b>Total</b>	<b>sqm</b>	<b>12.38</b>	<b>3866.5</b>	<b>47867</b>
<b>24</b>	<b>8.8.1.2</b>	Fashtner with threaded dia. 3/8" or 10 mm				
		<b>Door</b>	<b>nos</b>	<b>72.00</b>	<b>93.7</b>	<b>6746</b>
<b>25</b>	<b>9.1.2</b>	Providing Sal wood work in frames of doors,				
		D2		0.05		
		D3		0.35		
		D5		0.26		
		<b>Total</b>	<b>cum</b>	<b>0.65</b>	<b>95670.7</b>	<b>62186</b>
<b>26</b>	<b>9.53</b>	Providing 40x5 mm flat iron hold fast 40 cm long				
		<b>Total</b>	<b>nos</b>	<b>90.00</b>	<b>130.8</b>	<b>11772</b>
<b>27</b>	<b>9.21</b>	<b>P/F non decorative flush door shutter</b>				
	<b>9.21.1</b>	35mm thick non decorative flush door shutter				
		D2		2.34		

PA

8



		D3		15.01		
		D5		10.20		
		<b>Total</b>	<b>sqm</b>	<b>27.54</b>	<b>1775.3</b>	<b>48892</b>
28	9.127.2	Providing & Fixing 1 mm thick decorative high pressure laminated sheet				
		D2		2.34		
		D3		15.01		
		D5		10.20		
		<b>Total</b>	<b>sqm</b>	<b>27.54</b>	<b>669</b>	<b>18424</b>
29	9.23	<b>Extra for providing lipping</b>				
		Area same as Flush door shutter	<b>sqm</b>	<b>27.54</b>	<b>401.4</b>	<b>11055</b>
30	9.26	Extra for cutting rebate in flush door shutters				
		D2	<b>sqm</b>	2.34		
		<b>Total</b>	<b>sqm</b>	<b>2.34</b>	<b>93.7</b>	<b>219</b>
31	9.48	<b>P&amp; F M.S grills</b>				
	9.48.2	<b>Fixed to opening</b>				
		W				
		W1				
		W1				
		W2				
		W3				
		W3				
		W4				
		V1				
		V2				
		<b>Total area</b>	<b>sqm</b>			
		<b>Wt of grill @12 kg per Sqm of grill area</b>	<b>kg</b>	<b>1035.35</b>	<b>161.1</b>	<b>166795</b>
32	9.147D	<b>P&amp;F uPVC window</b>				
	9.147D.1	Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm)				
		W		8.17		
		W1		48.53		
		W3		2.04		
		W4		3.57		
		<b>Total</b>	<b>Sqm</b>	<b>62.32</b>	<b>7074.9</b>	<b>440908</b>
33	21.1.1	<b>Prov.&amp;fixing Al. Work in</b>				
	21.1.1.1	For fixed portion :Anodised aluminium				
		<b>Windows</b>				
		W1				
		W2				
		W3				
		V1				
		V2				

*cut*

*VB*



		Total door and window area	sqm			
		Wt.for fixed portion @ 6.0 kg per sqm	kg	143.76	386.1	55506
	21.1.2.1	Prov.&fixing Al. Work in shutters of				
		Anodised aluminium				
		Windows				
		W1				
		W2				
		W3				
		V1				
		V2				
		Total door and window shutter area	sqm			
		Wt.for shutter portion @ 3.0kg per sqm	kg	71.88	447.2	32145
34	21.3	P/Fglazing in Al.door& windows				
	21.3.2	With glass panes of 5.50 mm thickness(weight not less than 13.75 kg/sqm)				
		(a) Window @ 85% of window area				
		W		6.95		
		W1		41.25		
		W1		4.34		
		W2		3.16		
		W3		3.47		
		W3		1.74		
		W4		3.03		
		V1		4.42		
		V2		4.97		
		<b>Total</b>	sqm	<b>73.34</b>	<b>1115.1</b>	<b>81781</b>
35	21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant				
		W	m	16.46		
		W1		121.60		
		W1		12.80		
		W2		10.98		
		W3		11.58		
		W3		5.79		
		W4		7.61		
		V1		18.28		
		V2		30.15		
		<b>Total</b>	m	<b>235.25</b>	<b>85.2</b>	<b>20043</b>
36	21.13	Providing and fixing Brass 100mm mortice latch and lock with 6 levers				
		D1&D3	nos	3.00		
		<b>Total</b>	nos	<b>3.00</b>	<b>365.2</b>	<b>1096</b>



37	21.16.1	Providing and fixing aluminium round shape handle of outer dia 100mm				
		D1	nos	4.00		
		D3		4.00		
		<b>Total</b>	<b>nos</b>	<b>8.00</b>	<b>85.7</b>	<b>686</b>
38	21.18	Providing and fixing 12 mm thick frameless toughened glass door shutter				
		D1		5.53		
		D3		4.27		
		<b>Total</b>	<b>sqm</b>	<b>9.80</b>	<b>5143</b>	<b>50401</b>
39	10.3	P&F collapsible shutter				
		CG1		6.69		
		CG2		3.49		
		<b>Total</b>	<b>sqm</b>	<b>10.18</b>	<b>6303.4</b>	<b>64169</b>
40	10.18	Providing and fixing M.S. sheet /circular cast iron box for ceiling fan clamp	nos	35.00	165.4	5789
41	10.36	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes,channels, plates etc.,				
		Ramp railing	m			
		"				
		Verandah railing				
		stair railing	m			
		Total length of railing	m			
		(Wt. @9.25 kg per m)	kg	301.46		
		<b>Total</b>	<b>kg</b>	<b>301.46</b>	<b>546.8</b>	<b>164838</b>
42	11.41A	P & L Vitrified tiles in floor				
	11.41A.2	Glazed vitrified floor tiles polished finish of size				
	11.41A.2	Size of Tile 600 x 600 mm				
	.1	(a) in Floor				
		Gr. Floor :				
		Lipik, sahayak nagar/ lok		29.77		
		Lekha prabhag, Kalyan, Swachhta, Prashasnik		47.76		
		EVAM Lekha		12.47		
		"		3.84		
		Nagar Prabandhak		19.37		
		Waiting		13.94		
		1st. Floor :				
		Vice chairmain room		19.37		
		Cell		11.54		
		Engg		7.44		
		Engg		11.94		
		Waiting		13.94		
		D3		0.51		
		D2		0.31		
		D3		1.53		



		D5		0.93		
		D2		0.31		
		D3		1.79		
		Total	sqm	196.77		
		(b) in Skirting				
		Gr. Floor :				
		Lipik, sahayak nagar/ lok				
		Lekha prabhag, Kalyan, Swachhta, Prashasnik				
		EVAM Lekha				
		"				
		Nagar Prabandhak				
		Waiting				
		1st. Floor :				
		Vice chairmain room				
		Cell				
		Engg				
		Engg				
		Waiting				
		Total length of Skirting	m			
		Skirting		22.85		
		Less D3		-0.10		
		Less D5		-0.37		
		Less D4		-0.08		
		Total	sqm	22.31		
		Total	sqm	219.08	1081.7	236979
11.41A.3		Glazed Vitrified tiles Matt/ Antiskid finish of size				
11.41A.3		Size of Tile 600 x 600 mm				
.1		glazed floor tiles in toilets				
		G. Toilet		19.37		
		WC		7.06		
		L. Toilet		6.70		
		Toilet		2.60		
		Toilet		5.98		
		Sill D4		0.78		
		Sill D4		0.48		
		Sill D5		0.46		
		Total Ceramic glazed floor tiles	sqm	43.42	1054.3	45778
11.46.2		Size of Tile 600 x 600 mm				
		(a) in Floor				
		Gr. & 1st Floor :				
		Corridor & Lobby		83.56		
		"		14.74		
		"		38.89		
		Passage		7.23		
		Passage		6.18		
		Total	sqm	150.60		
		(b) in Skirting				
		Gr. & 1st Floor :				
		Corridor & Lobby				
		"				



		"				
		Passage				
		Passage	m			
		Total length of Skirting		18.76		
		Skirting		-0.24		
		Less D1		-0.12		
		Less D2		-1.40		
		Less D3		-0.18		
		Less D4		-0.46		
		Less D5	sqm	16.36		
		<b>Total</b>				
		(c) In dado		53.16		
		G. Toilet		21.26		
		WC		5.21		
		Wall		32.11		
		WC		31.26		
		L. Toilet		14.33		
		Toilet		30.19		
		Toilet				
		sub Total	sqm	187.52		
		Less D4		-6.49		
		<b>Total</b>	sqm	181.03		
		<b>Total</b>	sqm	347.98	1191.8	414723
		<b>Total</b>	sqm			
	11.41A	Size of Tile 600 x 600 mm				
	2.1	(a) in Floor				
		Karya plak & chairmain room		65.79		
		Conference room		61.34		
		Door sill D3		1.02		
		<b>Total</b>	sqm	128.15		
		(b) in Skirting				
		Karya plak & chairmain room				
		Conference room				
		Total length of Skirting	m			
				7.81		
		Less D4		-0.20		
		<b>Total</b>	sqm	7.61		
		<b>Total</b>	sqm	135.76	1081.7	146852
43	8.12 (a)	Providing and laying flamed finish Granite stone flooring				
		(i) outer area				
		Ramp		6.82		
		Ent step		1.50		
		Sub Total	sqm	8.32		
		(ii) inner area				
		Ent step & Verandah		8.93		
		stair step		17.97		
		stair landing		7.44		
		Door sill D1		0.62		
		<b>Total</b>	sqm	43.29	2147.7	92974



44	8.13.1	Providing and laying Polished Granite stone flooring				
		(a) in floor		0.00		
				0.00		
		sub total	sqm	0.00		
		(b) In skirting/Risers of step				
		(i) in skirting				
		stair				
		Ent verandah				
		sides				
		Total length	m			
		skirting	sqm	4.44		
		Less	sqm	-0.37		
		Total skirting	sqm	4.07		
		(ii) Risers of step/facia/strip				
		Riser		0.90		
		Riser		2.24		
		Riser		9.43		
		sub total	sqm	12.58		
		Total	sqm	16.64	3605	59987
45	11.36	Providing and fixing 1st quality ceramic glazed wall tiles				
		above counter top		6.74		
		Total	sqm	6.74	795	5358
46	8.2	Providing and fixing 18 mm thick gang saw				
	8.2.2	Granite of any colour and shade				
	8.2.2.2	Area of slab over 0.50 sqm				
		(a) in floor				
		basin platform		2.01		
		basin platform		2.23		
		basin platform		0.40		
		Pantry platform		4.62		
		Reception platform		3.16		
		sub total	sqm	12.42		
		(b) in skirting/Risers of step				
		(i) in skirting				
		Total length	m			
		skirting	sqm	0.00		
		Less	sqm	0.00		
		Total skirting	sqm	0.00		
		(ii) Risers of step/facia/strip				
		basin platform strip		0.50		
		basin platform strip		0.55		
		basin platform strip		0.10		
		Pantry platform strip		1.14		
		Reception platform strip		0.78		
		sub total	sqm	3.05		
		Total	sqm	15.47	4401.2	68087



47	8.4	Extra for fixing marble/granite stone over and above in facia and drops of				
		basin platform strip		3.30		
		basin platform strip		3.66		
		basin platform strip		0.65		
		Pantry platform strip		7.57		
		Reception platform strip		5.18		
		<b>Total</b>	m	<b>3.30</b>	<b>279.4</b>	<b>922</b>
48	8.5	Extra for providing opening of required size & shape for				
		<b>Total</b>	nos	<b>11.00</b>	<b>428.2</b>	<b>4710</b>
49	11.26.1	20mm thick kota stone flooring				
		(i) outer area				
		Ramp		0.00		
		Ent platform		0.00		
		Sub Total	sqm	0.00		
		(ii) inner area				
		Portico		32.97		
		Lee ent step & Verandah below stair in Gr.		-8.93		
		Pantry		9.41		
		Store		22.33		
		mumty		6.36		
		Door sill D5		0.93		
		Door sill D3		0.26		
		<b>Total</b>	sqm	<b>76.34</b>	<b>1252.7</b>	<b>95631</b>
50	11.27	20 mm thick kota stone slab in risers of step ,skirting				
		(i) skirting				
		Portico				
		Portico column				
		below stair in Gr.				
		Pantry				
		Store				
		mumty				
		<b>Total length</b>	m			
		Qty of skirting	sqm	10.95		
		Sub total of skirting	sqm	10.95		
		(ii) step face				
		Ent step		0.00		
		stair step		0.00		
		sub Total of (ii)	sqm	0.00		
		<b>Total kota stone in skirting &amp; risers of step</b>	sqm	<b>10.95</b>	<b>1334.9</b>	<b>14617</b>
51	11.72	100A one brick flat soling in plinth				
		Foundation Vide-/4.1.8 (a) under plinth Vide-/4.1.3 (b)	sqm	321.52		
		under Tie beam	sqm	304.63		
		under Tie beam		24.34		
		under Tie beam		0.00		



		<b>Total</b>	<b>sqm</b>	<b>650.49</b>	<b>283.3</b>	<b>184284</b>
<b>52</b>	<b>12.39</b>	<b>Making Khurras</b>	<b>nos</b>	<b>4.00</b>	<b>189.4</b>	<b>758</b>
53	26.27.1	Providing and fixing mineral fibre false ceiling tiles				
		With 16 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.55 to 0.6)				
		Karyapalak & Chairmain room		26.77		
				13.38		
		Conference room		26.77		
		<b>Total</b>	<b>sqm</b>	<b>66.92</b>	<b>1832.4</b>	<b>122624</b>
54	12.45.1	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long				
		Karyapalak & Chairmain room		34.23		
				40.93		
		Conference room		61.32		
		Deduct grid false cei.(26.27.1)		-66.92		
		<b>Total</b>	<b>sqm</b>	<b>69.55</b>	<b>828.2</b>	<b>57601</b>
<b>55</b>	<b>13.11.4</b>	<b>Internal Cement Plaster</b>				
		Length Vide-11.41A.2.1(b)		737.14		
		Length Vide-11.41A.3.2(b)		605.33		
		Length Vide-11.41A.3.2(c)		283.34		
		Length Vide-11.41A.3.5(b)		252.08		
		Length Vide-8.13.1(b-1)		95.39		
		Length Vide-8.2.2.2(b-i)		0.00		
		Length Vide-11.27		235.43		
		beam		53.08		
		Less- Skirting vide-11.41A.2.1(b)	sqm	-22.31		
		Less- Skirting vide-11.41A.3.2(b)	sqm	-16.36		
		Less- Skirting vide-11.41A.3.2(c)	sqm	-181.03		
		Less- Skirting vide-11.41A.3.5(b)	sqm	-7.61		
		Less- Skirting 8.2.1.2(b-i)	sqm	0.00		
		Less- Skirting 11.27	sqm	-10.95		
		Less :				
		D1		-5.53		
		D3		-4.27		
		D2		-3.16		
		D3		-15.54		
		D5		-9.48		
		D2		-2.60		
		D3		-17.08		

8

PA



		D5		-11.72		
		D4		-14.60		
		Partition		-2.71		
		Partition		-18.76		
		Partition		-13.02		
		sub total	sqm	1905.05		
		12 mm C P (1:6)	sqm	952.52	141.5	134782
56	13.12.4	15mm CP 1:6 in Internal surfaces	sqm	952.52	162.8	155070
57	13.13.2	20mm CP 1:4 in external surfaces				
		External(all around)		611.22		
		fin		17.83		
		duct walll		26.74		
		duct inside		58.67		
		Plain chajja(top and bottom)	sqm	4.46		
		Plain chajja side	sqm	0.36		
		Plain chajja side	sqm	0.00		
		Projection slab		64.45		
		Projection slab		32.17		
		Projection slab		5.32		
		Projection slab		8.30		
		parapet		149.08		
		parapet over portico		29.21		
		parapet over mumty		35.22		
		parapet top		37.65		
		mumty		92.51		
		duct walll		4.47		
		duct inside		9.80		
		Beam top and bottom		48.01		
		fin		2.98		
		W		-8.17		
		W1		-48.53		
		W1		-5.11		
		W2		-3.72		
		W3		-4.09		
		W3		-2.04		
		W4		-3.57		
		V1		-5.20		
		V2		-5.85		
		D1		-5.53		
		D2		-2.60		
		<b>Total External plaster</b>	sqm	1144.02	209.9	240130
58	13.24.2	6mm CP 1:4 in ceiling				
		Vide-/11.41A.2.1(a)	sqm	219.08		
		Vide-/11.41A.3.1(a)	sqm	43.42		
		Vide-/11.41A.3.2(a)	sqm	150.60		
		Vide-/11.41A.3.5(a)	sqm	128.15		
		Vide-/8.12(a)	sqm	43.29		
		Vide-/8.13.1(a)	sqm	0.00		
		Vide-/8.2.2.2	sqm	12.42		
		Vide-/11.26.1	sqm	76.34		
		<b>Total</b>	sqm	673.28	125.6	84564



59	13.37	Extra for plastering exterior walls of height more than 10m				
		mumty		29.26		
		parapet over mumty		35.22		
		parapet top		5.87		
		Total	sqm	70.35	44.4	3124
60	13.92.1	Wall painting with plastic emulsion paint				
		Vide-/13.11.4	sqm	1905.05		
		Vide-/13.24.2	sqm	673.28		
		Total Vide-12.45.1	sqm	69.55		
		Total	sqm	2647.88	86.4	228777
61	13.80A.2	Prov. And applying 2 mm th wall putty				
		Total Vide-13.92.1	sqm	2647.88		
		Total Vide-13.46A.1	sqm	1144.02		
		Total	sqm	3791.91	105.4	399667
62	13.78.1	Prov. And applying cement primer				
		Total Vide-13.77A.1	sqm	2647.88		
		Total		2647.88	38.6	102208
63	13.46A.1	Finishing walls Premium Acrylic Smooth				
		exterior paint in external surfaces				
		Vide-/13.13.2	sqm	1144.02	132.5	151583
64	13.81	Applying priming coat				
	13.81.1	Pink or grey primer on wooden surfaces				
		D2		3.13		
		D3		20.50		
		D5		14.07		
		D4		35.05		
		Total	sqm	37.69	39.7	1496
65	13.94.1	synthetic enamel paint on wooden & steel				
		surfaces				
		Same Vide-/13.81.1	sqm	37.69		
		CG	sqm	15.27		
		grill Vide-/9.48.2	sqm	86.28		
		Total	sqm	139.23	116.5	16220
66	13.116	Forming groove of 12x12mm and up to				
		25x15mm				
		all around: horizontal		294.30		
		Elevation- A		365.04		
		"		25.62		
		"		87.84		
		Elevation- B		149.60		
		"		82.60		
		"		315.00		
		"		76.86		
		Elevation- C		365.04		



		"		25.62		
		"		87.84		
		Elevation- D		301.53		
		"		25.62		
		"		34.55		
		"		75.60		
		"		25.62		
		"		58.56		
		<b>Total</b>	<b>M</b>	<b>2396.84</b>	<b>47.1</b>	<b>112891</b>
<b>67</b>	<b>22.3</b>	<b>Water proffing treatment of</b>				
		sunken surfaces				
		Toilet sunken		1.23		
		Toilet sunken		1.47		
		Toilet sunken		2.84		
		Toilet sunken		2.28		
		Toilet sunken		1.87		
		Toilet sunken		2.81		
		Toilet sunken		5.48		
		Watertank bed		19.20		
		sunken sides		2.17		
		sunken sides		2.42		
		sunken sides		3.28		
		sunken sides		2.98		
		sunken sides		2.72		
		sunken sides		3.25		
		sunken sides		6.54		
		Watertank wall		24.44		
		<b>Total</b>	<b>sqm</b>	<b>84.97</b>	<b>480.6</b>	<b>40837</b>
<b>68</b>	<b>22.8.1</b>	<b>Providing and laying Integral</b>				
		<b>cement based</b>				
		<b>water proofing treatment</b>				
		Vide-5.28(b) over terrace	sqm	356.29		
		along parapet wall	sqm	3.62		
		along parapet wall		2.17		
		<b>Total</b>	<b>sqm</b>	<b>362.08</b>	<b>850.7</b>	<b>308021</b>
<b>69</b>	<b>9.96</b>	<b>P&amp;F Alluminium sliding door bolt</b>				
	<b>9.96.1</b>	<b>300x16 mm</b>	<b>nos</b>	<b>24.00</b>	<b>235.5</b>	<b>5652</b>
	<b>9.96.2</b>	<b>250x16 mm</b>	<b>nos</b>	<b>14.00</b>	<b>210.1</b>	<b>2941</b>
<b>70</b>	<b>9.97</b>	<b>P&amp;F Alluminium sliding tower bolt</b>				
	<b>9.97.1</b>	<b>300x10 mm</b>	<b>each</b>	<b>48.00</b>	<b>111.4</b>	<b>5347</b>
	<b>9.97.2</b>	<b>150x10 mm</b>	<b>each</b>	<b>24.00</b>	<b>71.6</b>	<b>1718</b>
<b>71</b>	<b>9.101.2</b>	<b>P&amp;F Alluminium hanging floor door stopper</b>	<b>each</b>	<b>25.00</b>	<b>60.8</b>	<b>1520</b>






72	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	each	15.00	810.1	12152
73	9.100	P&F Alluminium handles				
	9.100.1	125mm	each	50.00	57.1	2855
74	9.103	Bright finished 100mm mortice lock	each	15.00	655.4	9831
75	9.71	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :	each	36.00	93.7	3373
				Total of Scheduled item		1,58,91,128.00
76	Adding difference of GST Factor-.0536					8,51,764.00
77	MR	Providing and fixing glavanised chicken wire mesh in 5" wide strip				
		along 255 mm th.brick wall(horizontal)		18.50		
		along 255 mm th.brick wall(horizontal)		17.25		
		along 255 mm th.brick wall(horizontal)		2.25		
		along 125 mm th.brick wall(horizontal)		6.42		
		along 125 mm th.brick wall(horizontal)		0.41		
		Column face		117.60		
		Total	sqm	162.42	205.07	33307
78	MR	WALL PARTITION (Aluminium Frame + BWP Ply + Laminate)				
		D2	sqm	3.16		
		"		2.71		
		D3		15.54		
		"		18.76		
		D5		9.48		
		"		13.02		
		Total	sqm	62.67	7000	438690
				Total of Civil works		1,72,14,889.00
79	Carralge of Material Used					
		Local sand	cum	368	336.17	123711
		Coarse sand	cum	389.332	3101.73	1207603
		Bricks	thousand	140.26	1331.45	186749
		Stone chips	cum	444.25	2060.60	915422

1,63,21,509  
8,74,833.00

1,76,68,339.00



80	<b>Difference of cost</b>					
		Brick 100A	thousan d	140.26	388.76	54527
		Cement	ton	235.374631	19.73	4644
81	<b>Seigniorage Cost of Material</b>					
		Coarse sand	cum	389.332	175.8	68445
		Stone chips	cum	444.25	595.36	264489
		L sand	cum	368	141.85	52201
		Bricks	thousan d	140.26	5128	719253
				<b>Total</b>		<b>2,08,11,933.00</b>

2,12,65,383.00

#### ELECTRICAL WORKS

##### WIRING

82	1.3.3	Wiring for light point/ fan point/ exhaust fan point / call bell point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit with modular switch , modular plate suitable size G.I. box etc as required. Group C	Point	226	1146.00	258996.00
83	1.59	Wiring for group controlled (looped) light point/ fan point/ exhaust fan point / call bell point (without independent Switch etc.) with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit etc as required.				
	1.59.3	Group C	Point	47	609.00	28623.00
84	1.5	Wiring for power plug with 2x4 sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No.4 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required	Meter	1018	309.00	314562.00
85	1.7	Wiring for submain with circuit /light plug point wiring/submain along with earth wire with the following sizes of FRLS PVC insulated copper conductor single core cable in recessed medium class PVC conduit as required.				
	1.7.2	2x2.5 sq.mm +1x2.5 sq mm earth wire	Meter	590	246.00	145140.00
	1.7.4	2x6 sq.mm +1x6 sq mm earth wire	Meter	80	422.00	33760.00
	1.7.11	4x6 sq.mm +1x6 sq mm earth wire	Meter	310	660.00	204600.00



86		Supplying & fixing of following size medium class PVC conduit along with accessories in surface/ recess including cutting of wall and making good the same in case of recessed conduit as required. For Networking, CCTV, DATA, Interco & Telephone				
	1.21.1	20 mm dia	Meter	480	102.00	48960.00
	1.21.2	25 mm dia	Meter	950	120.00	114000.00
87		Supplying and fixing metal/ PVC box of following sizes ( nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in the front including painting etc. as required.				
	1.22.1	75mmX75mmX50mm deep	Each	6	139.00	834.00
	1.22.6	200mmX150mmX60mm deep	Each	3	276.00	828.00
88		Supplying and fixing following size / modules, GI box along with modular base & cover plate for modular switches/ socket/TV / Telephone outlet in surface/ recess etc. as required.				
	1.27.1	75mmX75mmX50mm	Each	40	234.00	9360.00
89	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet & 6A modular type switch connection etc. as required.	Point	29	414.00	12006.00
90	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 & 15/ 16 amps modular socket outlet & 15/16A modular type switch connection etc. as required.	Point	31	531.00	16461.00
91	1.53	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 amps modular socket outlet and 25 amp modular SP MCB 'C' curve, including connections, painting etc. as required.	Point	22	531.00	11682.00
92	1.24.4	Supplying and fixing modular type 5/6 amp, 5 pin socket outlet on the existing modular plate & box including making connection but excluding modular plate etc. as required.(For Wall Bracket fan only)	Each	16	112.00	1792.00






93	1.24.6	Supplying and fixing modular type telephone socket outlet on the existing modular plate & box including connections, excluding modular plate etc. as required.	Each	24	131.00	3144.00
94	1.16.2	Supplying and drawing 2 pair 0.5 sq mm. FR PVC insulated annealed copper conductor unarmoured telephone cable in the existing surface / recessed PVC	Meter	430	31.00	13330.00
95	M/R	Supplying Installing Testing and commissioning of 10 Pair distribution tag box all complete as per specification and direction of E/I	Each	1	1800.00	1800.00
96	M/R	Supplying Installing Testing and commissioning of 20 Pair distribution tag box all complete as per specification and direction of E/I	Each	1	2400.00	2400.00
97	MR	Supplying and installation of 10 pair 0.5 sq mm. ATC unarmoured PVC insulated copper conductor telephone cable on surface including connection, testing etc. as required.	Meter	20	420.00	8400.00
98	MR	Supplying and installation of 20 pair 0.5 sq mm. ATC unarmoured PVC insulated copper conductor telephone cable on surface including connection, testing etc. as required.	Meter	20	500.00	10000.00
99	1.37	Supplying fitting fixing of dingdong call bell suitable for DC/AC single phase 230 volts, complete etc as required.	Each	3	240.00	720.00
100	1.26	Supplying and fixing modular blanking plate on the existing modular plate & metal box excluding modular plate, etc. as required.	Each	15	34.00	510.00
<b>D.B.s</b>						
101	2.9	Supplying and fixing following way horizontal type Three pole and Neutral sheet steel M.C.B. D.B, 415 Volts in surface/ recess, complete with tinned copper busbar, neutral bus bar, earth bar, din bar , detachable gland plate, interconnection phosphatised and powder painted including , earthing etc. as required. (But without MCB/RCCB/ Isolator)				

12

8



	2.9.1	4 Way (4+12) Double door horizontal type	Each	9	4148.00	37332.00
102	2.8	Supplying and fixing following way horizontal type single pole and Neutral sheet steel M.C.B. Distribution board, 240 Volts, on surface/ recess, complete with tinned copper busbar, neutral bus bar, earth bar, din bar, interconnection, powder painted including earthing etc. as required (But without MCB/ RCCB / Isolator)				
	2.8.6	2+8 Way double door (UPS DB)	Each	1	2591.00	2591.00
	2.8.7	2+12 Way double door (UPS DB)	Each	1	2314.00	2314.00
103	2.32	Supplying and fixing cable end box ( Loose wire box , IP 43) suitable for following sheet steel M.C.B. Distribution board, on surface/ recess, complete with testing commissioning etc. as required				
	2.32.4	For 4 way Double door MCB TPN DB	Each	9	1064.00	9576.00
	2.32.2	For 8/10 way Double door MCB SPN DB	Each	1	798.00	798.00
	2.32.3	For 14 way Double door MCB SPN DB	Each	1	872.00	872.00
23	2.12	Supplying and fixing of following rating C series MCB suitable for inductive and other loads of following poles in the existing MCB DB complete with connections ,testing and commissioning etc. as required .				
	2.12.1	6 Amp. To 32 Amp. SP MCB 240 Volt	Each	108	237.00	25596.00
	2.12.4	32 Amp TPN MCB 415 Volt	Each	9	1282.00	11538.00
	2.12.2	32 Amp SPN MCB 240 Volt	Each	2	606.00	1212.00
MAIN L.T. PANEL						

EST

Q



104	8.11	Supplying and fixing of fabricated Electrical control panel of cubical construction, wall/floor mounted type fabricated out of 16 SWG CRCA iron sheet compartmentalised with hinged door, dust and vermin proof, powder coated painting of approved shade after 7 tank treatment process, cable alley, internal wiring, earth terminals, busbar chamber, insulator, and complete in all respect etc. and panel manufactures must be approved by CPRI. etc as required. (But without RYB indicator, ammeter, voltmeter, inter-connection copper cable, /solid copper strip, switchgears etc.)	Sft	24	1809.00	43416.00
105		Providing and fixing of following rating electrical items in existing cubical panel including drilling holes in if required, making connections etc. as required.				
		Incomings:-				
	2.4.3	160Amp 36 KA FP 415 volt MCCB	Each	1	13698.00	13698.00
	2.7.5	160 A 4P On Load Changeover	Each	1	17096.00	17096.00
		Out going				
	2.12.2	32 Amp SPN MCB 240 Volt Page 3 of 18	Each	3	606.00	1818.00
	2.12.4	32 Amp TPN MCB 415 Volt	Each	13	1282.00	16666.00
	8.13	Supplying and fixing panel mounted digital multimeter (voltmeter and ammeter) including CT coil and RYB pilot indicator in the existing cubical panel board including drilling holes in the panel board making connections etc as required	Each	1	6536.00	6536.00
	1830+anal.	Copper strip of all sizes.	Kg	5	868.00	4340.00
	2.20	Providing and fixing MV danger notice plate of 200mmX150mm made of mild steel at least 2mm thick, and vitreous enamelled white on both sides, and with inscription in single red colour on front side etc as required.	Each	1	214.00	214.00






	10.3.3	Supplying, installation, testing and commissioning of Astronomical time switch capable of following output in feeder pollars / Lighting DB's for automatic switching ON & OFF of street lights at sun set & sun rise of twilight (Auto ON, Auto OFF, Auto) with manual override facility with 12124 hour display format with suitable battery and indication for relay status i/c programming at site complete as required.: 3 output (1 Out put per phase and suitable for three phase supply. (To be installed in Main Panel))	Each	1	11194.00	11194.00
<b>SUPPLY &amp; INSTALLATION OF FIXTURES</b>						
106	8.15	Supply and installation of regular/standard model A.C. ceiling fan of 1200 mm sweep with service value (CM/MM) minimum 4.00, Air delivery minimum 210 cum/min including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated copper conductor etc as required.	Each	24	2482.00	59568.00
107	1.25	Supplying and fixing stepped type electronic fan regulator on the existing switch box including connections excluding modular plate etc. as required.	Each	24	358.00	8592.00
108	8.17	Supply and Installation of following sweep metallic blade, heavy duty, single phase, 230 A.C. exhaust fan in the existing opening including making good the damage connection testing commissioning etc. as required.				
	8.17.1	300 mm sweep	Each	9	2572.00	23148.00
109	8.19	Supply and installation of 400 mm, 230 V A.C. wall/cabin fan including fixing the bracket, making connection, testing, commissioning etc as required.	Each	16	3670.00	58720.00
110	5.3	Supplying and fixing 4'x20 watt LED batten with minimum efficacy 100lm/w in aluminium housing and complete with integrated electronic driver etc. directly on ceiling / wall including connections with 1.5 sq.mm FRLS PVC insulated, copper conductor single core cable etc. as required.	Each	8	762.00	6096.00



111	5.6.2	Supplying and fixing 40 watt LED aluminium extruded suspended / surface mounting LED luminaire with minimum efficacy 100lm/w ensuring uniform and continuous illumination including suspension system complete with electronic driver etc. and connections with 1.5 sq.mm FRLS PVC insulated, copper conductor single core cable etc. as required.	Each	45	4587.00	206415.00
112	5.8.3	Supplying and fixing surface mounted 18 watt LED downlighter with minimum efficacy 100lm/w in pressure die cast aluminium housing and integrated electronic driver etc. directly on ceiling including connection with 1.5 sq mm FRLS PVC insulated copper conductor cable etc as required.	Each	35	1694.00	59290.00
113	5.9	Supplying and fixing recess mounting 36 watt LED flat panel(2'x2') with minimum efficacy 100lm/w which provides soft light and glare free symmetrical illumination suitable for armstrong / grid ceiling and integrated electronic driver etc. directly on false ceiling including connection with 1.5 sq. mm FRLS PVC insulated copper conductor cable etc. as required	Each	30	2663.00	79890.00
114	5.7	Supplying and fixing recess mounted following types LED downlighter with minimum efficacy 100lm/w in pressure die cast aluminium housing and integrated electronic driver etc. directly on ceiling including connection with 1.5 sq mm FRLS PVC insulated copper conductor cable etc as required.				
115	5.7.3	12 Watt	Each	44	1224.00	53856.00
	5.10	Supplying and fixing 10/12 watt LED type Bulk-head luminaire with minimum efficacy 100 lm/w in comprising of pressure die cast housing, acrylic diffuser, IP 65 protection and complete u.,ith integrated electronic driver etc directly on wall/ceiling including connections with 1.5 sq. mm FRLS PVC insulated copper conductor cable etc as required.	Each	15	1275.00	19125.00

978

LP



116	1.33	Supplying and fixing 2 pin 5 Amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	17	64.00	1088.00
117	1.34	Supplying and fixing batten / angle holder including connections etc. as required.	Each	35	80.00	2800.00
118		Supplying and fixing following types lamp in existing electrical fitting/ fixture etc as required.				
	6.1.6	15 watt LED lamp	Each	35	250.00	8750.00
		<b>COMPUTER NETWORK</b>				
119	1.58.1	Supplying and drawing of UTP 4 Pair CAT-6 LAN cable in the existing surface / recessed PVC conduit etc. as required.	Meter	780	52.00	40560.00
120	1.56	Supplying and fixing suitable size GI box with modular base & cover plate in front on surface or in recess including providing and fixing of 3nos 5 pin 5/6 amps socket outlet and 2 nos 5/6A moduler switch connection etc. as required. <small>Page 5 of 18</small>	Set	39	778.00	30342.00
121	1.7.2	Wiring for computer circuit with 2x2.5 sq.mm +1X2.5 sq mm earth wire FRLS PVC insulated copper conductor single core cable insurface/ recessed medium class PVC conduit as required. (Each circuit containing 2 NO computer)	Meter	400	246.00	98400.00
122		Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular fitting in recess etc. as required.				
	1.27.1	(a) 2 module (75 mm x 75 mm)	Each	39	180.00	7020.00
123	M/R	Supplying and fixing Two RJ 45 Cat - 6E Lan I/O with Gang box & dual port face plate complete set of D-Link Make including making connection, soldering etc. as required.	Each	39	490.00	19110.00
124	M/R	Supplying fitting fixing CAT6 U/UTP 24 Port Patch Panel loaded with 24x Toolless RJ 45 complete etc as required. (Make: D-Link, Ortronics, Panduit-PANNET)	Pc	2	4000.00	8000.00

PK

*[Signature]*



125	M/R	Supplying CAT6 U/UTP RJ45 Patch Cord 1 Mtr Grey in colour . (Make:D- Link, Ortronics, Panduit-PANNET)	Pc	39	215.00	8385.00
126	M/R	Supplying CAT6 U/UTP RJ45 Patch Cord 2 Mtr PVC Grey in colour. (Make: D- Link, Ortronics, Panduit-PANNET)	Pc	39	400.00	15600.00
127	M/R	Supplying fitting fixing 6U <u>Networking Rack</u> , CRCA steel,CNC programmed punched bended , welded and powder coated with highest quality standred including welded frame ntegrated with side walls and vented top cover with fan mounting provision rear side of the enclosure having wall mounting provision front Glass Door, of D-Link make	Pc	1	540.00	540.00
128	M/R	Supplying fitting fixing 9U <u>Networking Rack</u> , CRCA steel,CNC programmed punched bended , welded and powder coated with highest quality standred including welded frame ntegrated with side walls and vented top cover with fan mounting provision rear side of the enclosure having wall mounting provision front Glass Door	Pc	1	6800.00	6800.00
129	M/R	Supply installation testing & commissioning of Layer 2 managed non PoE network switch with 24 port 10/100/1000 Base T Ports with atleast 2nos 10G SFP ports(uplink) alongwith AC power supply: including necessary connection of CAT 6 UTP cable etc as required.	Pc	2	32000.00	64000.00
130	M/R	Supply installation testing & Commissioning of Media Converter 1000 Mbps RJ 45 to 1000 M Multi mode SC Fiber up 550 Mtr chssis mountable etc as required Make TP Link,	Each	1	4,400.00	4400.00



131	M/R	Supply & laying of 12 core single mode Optical fibre ITU - G 652 D, all dielectric self supporting armoured underground optical fibre cable etc as required, Birla.Make optical fibre cable	Mtr	20	62.00	1240.00
<b>EXTERNAL LIGHTING</b>						
132		Supply and erection of 6 meter height Hot-dip galvanized octagonal street light pole with following arm, with top dia 70 mm and bottom dia A/F 130 mm, made of 3mm thick sheet along with base plate of size 220 X 220 X 12 mm, small door opening for junction box mounting including 6A 'C' series SP MCB ,connector,and suitable size foundation bolt with template and all complete as required. (but without pole foundation)				
	8.22.1	Single arm 1000mm	Each	6	24982.00	149892.00
133		Providing and making of following sizes octagonal street light pole foundation in reinforced cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) of specified size including PVC conduit , form work, curing , reinforcement , excavation and refilling etc as required				
	9.16.2	For 6/7 metre pole (500mmx500mm 1400mm)	Each	6	4398.00	26388.00
134	5.14.2	Supply and fixing 45 watt LED type street light with minimum efficacy 100lm/w in die cast aluminium housing , toughened glass, IP66 protection and complete with electronic driver etc, on pole/ building including connection , earthing the body etc. as required.	Each	6	3382.00	20292.00
135		Supplying & embedding of following dia G.I. pipe (medium class) in pole collar / foundation (during casting ) for cable entry including bending the pipe to the required shape complete etc. as required.				
	8.4.1	Dia 32 mm.	Meter	12	543.00	6516.00



136	9.18	Supplying and erection of 1.50 meter height, 50 mm dia G.I. Pole (Light class) with painting in cement concrete 1:3:6 (1 cement: 3 coarse sand :6 graded stone aggregate 20 mm nominal size ) foundation, including excavation and refilling etc as required.	Each	3	1795.00	5385.00
137	8.9	Supply & fitting of pole mounted junction box / fuse box for single phase /2 core low wattage street light pole with all accessories and connection etc. as required.	Each	6	825.00	4950.00
138	5.13	Supplying and fixing post top / gate light (width 250/300 mm) made up of high grade unbreakable polycarbonate material suitable for upto 20 watt LED lamp including connections and earthing the body etc as required. ( But without lamp)	Each	6	1399.00	8394.00
139	6.1.7	Supplyig & fixing of 20w LED lamp suitable for existing post top lantern complete with integrated electronic driver and all accessories includingr connection with 1.5 Sq.mm PVC insulated copper conductor wire earthing the body etc. as required.	Each	6	267.00	1602.00
140	AR	Supplying and erection of metallic 3.2mm thick 50mm dia 3.66 meter height black tubular pole and base plate 225mm x 225mm x 6mm with primer and painting of approved shade in cement concrete 1:3:6 ( graded stone aggregate 40mm nominal size) foundation, nut bolts, including excavation, refilling etc.as good as required.	Each	3	4036.00	12108.00
<b>EARTHING</b>						
141	3.2	Earthing with G.I earth pipe 4.5 mt. long 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with Charcoal/coke and salt as required.	Set	1	6323.00	6323.00
142	3.4	Earthing with GI earth plate 600mm X600 mm X6mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. with salt and charcoal/ coke and salt as required.	Set	1	6884.00	6884.00



143	3.11	Providing and laying 25mm x 5mm GI strip in 40 mm. Dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, washer, excavation and refilling etc. as required.	Meter	30	721.00	21630.00
144	3.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing etc as required.	Meter	60	53.00	3180.00
<b>SUPPLY &amp; LAYING OF UNDER GROUND CABLE</b>						
145		Supply of PVC insulated PVC sheathed aluminium conductor armoured under ground cable of graded 1.1 KV for working voltage upto 1100 volts conforming to ISI 1554 (Part-I) of 1964 with upto date amendment as detailed below.				
	7.7.12	3.5 Core 120sq mm	Meter	60	1186.00	71160.00
	7.7.13	2 Core 6 sq mm	Meter	170	159.00	27030.00
146		Laying of one number PVC insulated and PVC sheathed/ XLE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.				
	7.1.3	Above 95 sq. mm. and upto 185 sq.mm	Meter	60	336.00	20160.00
	7.1.1	upto 35sqmm	Meter	180	315.00	56700.00
147		Laying and fixing of one number PVC insulated and PVC sheathed aluminium conductor cable of 1.1 KV grade of following size on surface etc. as required.				
	7.4.3	Above 95 sq. mm. and upto 185 sq.mm (Clamped with 40x3 mm MS flat clamp)	Meter	10	124.00	1240.00
	7.4.1	Up to 35 sq mm (clamped with 1mm thick saddle)	Meter	10	43.00	430.00
148	9.2	Excavating for cable trenches of depth upto 1.2M in soft soil including getting out the excavated soil and disposal of surplus excavated soil directed within lead of 50 metres.	Cum	20	242.00	4840.00

90

18



149	9.3	Filling available excavated earth (excluding rock) in trenches, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 metres.	Cum	10	155.00	1550.00
150		Supplying and laying following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930 Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.				
	9.14.3	120 mm.dia (OD -120mm & ID - 103mm nominal)	Meter	20	254.00	5080.00
151	DSR 2022	Laying of one number PVC insulated and PVC sheathed aluminium conductor cable of 1.1 KV grade of following size in the existing RCC/ HUME/METAL pipe etc. as required.				
	7.5.3	Above 95 sq. mm. and upto 185 sq.mm	M	10	77.00	770.00
	7.5.1	upto 35sqmm	M	10	37.00	370.00
152		Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as required.				
	9.1.25	3.5 Core 120sq mm	Set	2	613.00	1226.00
	9.1.1	2 Core 6 sq mm	Set	38	240.00	9120.00
		<b>TOTAL</b>				<b>2813670.00</b>

**PHE WORKS**

<b>A</b>	<b>WATER SUPPLY</b>					
	<b>C.P.V.C PIPES</b>					
153	SOR 18.7	Providing and fixing Chlorinated polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamp at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of engineer in charge.				
(A)	SOR 18.7. 2	20 mm dia. Nominal outer dia pipes	Metre	25.00	233.90	5847.50
(B)	SOR 18.7. 3	25 mm dia. Nominal outer dia pipes	Metre	24.00	317.30	7615.20



(C)	SOR 18.7. 4	32 mm dia. Nominal outer dia pipes	Metre	20.00	395.20	7904.00
(D)	SOR 18.7. 5	40 mm dia. Nominal outer dia pipes	Metre	40.00	538.40	21536.00
154	SOR 18.8	Providing and fixing Chlorinated polyvinyl Chloride(CPVC) pipes,having thermal stability for hot & cold water supply,including all CPVC plain & brass threaded fittings,i/c fixing the pipe with clamps at 1.00 m spacing.This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of engineer in charge.				
		Concealed work, including cutting chases and making good the walls etc.				
(A)	SOR 18.8. 2	20 mm dia. Nominal outer dia pipes	Metre	39.00	350.80	13681.20
(B)	SOR 18.8. 3	25 mm dia. Nominal outer dia pipes	Metre	6.00	463.10	2778.60
155	SOR 18.9	Providing and fixing Chlorinated polyvinyl Chloride(CPVC) pipes,having thermal stability for hot & cold water supply,including all CPVC plain & brass threaded fittings, This includes jointing of pipes & fittings with one step CPVC solvent cement trenching,refilling and testing of joints complete as per direction of engineer In charge.				
(A)	SOR 18.9. 4	32 mm dia. Nominal outer dia pipes	Metre	15.00	359.10	5386.50
156	SOR 18.13	Making connecting of G.I. distribution branch with G.I. Main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete.				
(A)	SOR 18.13.1	25 to 40 mm Nominal bore	each	1.00	446.70	446.70
157	SOR 18.17	Providing and fixing brass gate valve with C.I. wheel of approved quality.				
(A)	SOR 18.17.1A	20 mm Nominal bore	Each.	10.00	465.40	4654.00
(B)	SOR 18.17.1	25 mm Nominal bore	Each.	8.00	532.30	4258.40
(C)	SOR 18.17.3	40 mm Nominal bore	Each.	2.00	707.30	1414.60
158	SOR 18.19	Providing and fixing metal non-return valve of approved quality.				
	SOR 18.19.2	32 mm nominal bore				

*EW*

*SR*



	SOR 18.19.2.1	Horizontal	Each.	1.00	677.60	677.60
	SOR 18.19.2.2	Vertical	Each.	1.00	777.90	777.90
159	SOR 18.46	Providing and fixing G.I. union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete				
(A)	SOR 18.46.2	20 mm dia. Nominal bore	each	12.00	185.60	2227.20
(B)	SOR 18.46.3	25 mm dia. Nominal bore	each	10.00	265.90	2659.00
(C)	SOR 18.46.4	32mm dia. Nominal bore	each	6.00	306.00	1836.00
(D)	SOR 18.46.5	40mm dia. Nominal bore	each	7.00	419.70	2937.90
		<b>C.P. BRASS FITTINGS</b>				
160	SOR 18.49	Providing and fixing C.P. brass bib cock of approved quality confirming to IS:8931				
	SOR 18.49.1	15mm nominal bore	Each	7.00	434.20	3039.40
161	SOR 18.50	Providing and fixing C.P. brass long bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.				
	SOR 18.50.1	15 mm Nominal bore	Each	2.00	715.10	1430.20
162	SOR 18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality confirming to IS:8931				
	SOR 18.53.1	15 mm Nominal bore	Each	14.00	500.40	7005.60
163	SOR 18.58	Providing and fixing P.T.M.T. grating of approved quality & colour				
	SOR 18.58.1	circular type				
	SOR 18.58.1.1	100 mm nominal dia,	Each	14.00	33.20	464.80
<b>B</b>	<b>SANITARY INSTALLATION</b>					
164	SOR 17.1	Providing and fixing water closet squatting pan (Indian type WC pan) with 100mm sand cast iron P or S trap, 10 litre low fixture complete, including cutting and making good the walls and level white PVC flushing cistern, including flush pipe with manual controlled device (handle lever) conforming to IS 7231, with all fittings and floors wherever required				
	SOR 17.1.1	white vitreous china Orissa pattern WC pan of size 580X440mm with integral type foot rests	Each	4.00	4470.90	17883.60

24

VR



165	SOR 17.2	Providing and fixing white vitreous china pedestal type-water closet (European type WC pan) with seat & lid, 10 litre low level white PVC flushing cistern including flush pipe, with manually controlled device (handle lever) confirming to IS:7231 with all fittings and fixture complete, including cutting and making good the wall and floors wherever required				
	SOR 17.2.1	WC pan with ISI marked white solid plastic seat and lid	Each	3.00	4230.00	12690.00
166	SOR 17.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of size 450 x 260 x 350mm and 340 x 410 x 265 mm sizes respectively with automatic flushing cistern with standard flush pipe and CP brass spreaders with brass unions and GI clamps complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required.				
	SOR 17.4.1	One urinal basin with 5 litre white P.V.C. automatic flushing cistern.	Each	3.00	3723.20	11169.60
	SOR 17.4.2	Range of two urinal basin with 5 litre white P.V.C. automatic flushing cistern.	Each	2.00	5733.30	11466.60
167	SOR 17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including paintings of fittings and brackets, cutting and making good the wall wherever required.				
	SOR 17.7.4	White vitreous china flat back wash basin size 550X400mm with a single 15mm CP brass pillar tap	Each	11.00	2135.80	23493.80
168	SOR 17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) Kitchen sink as per I.S. 13983 with C.I. brackets and stainless steel plug 40mm including painting of fitting and brackets, cutting and making good the walls wherever required.				
	SOR 17.10.1	Kitchen sink with drain board.				
	SOR 17.10.1.1	510X1040mm bowl depth 250mm	Each	2.00	5231.50	10463.00
169	SOR 17.28	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete				
	SOR 17.28.2	Flexible pipe				
	SOR 17.28.2.2	40 mm dia	Each	2.00	104.40	208.80



170	SOR 17.31	Providing and fixing 600X450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws & washers complete.	Each	11.00	1068.50	11753.50
171	SOR 17.33	Providing and fixing 600X120X5 mm glass shelf with edges rounded off supported on anodised aluminium angle frame with CP brass brackets and guard rail complete fixed with 40 mm long screws ,rawl plug etc, complete.	Each	11.00	713.30	7846.30
172	SOR 17.70	Providing and fixing PTMT bottle traps for wash basin & sink				
	SOR 17.70.2	Bottle trap 31 mmsingle piece moulded with height of 270mm , effective length of tail pipe 260mm from the centre of waste coupling 77mm breadth with 25mm minimum water seal ,weighing not less than 260 gms.	Each	11.00	325.10	3576.10
173	SOR 17.71	Providing and fixing PTMT liquid soap container 109 mm wide;125mm high and 112mm distance from wall of standard shape with bracket of same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	11.00	146.30	1609.30
174	SOR 17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
	SOR 17.73.2	600 mm long towel rail with total length of 645mm width78mm and effective height of 88mm,weighing not less than 190 gms.	Each	7.00	424.00	2968.00
		<b>RAIN WATER PIPE</b>				
175	SOR 12.78	Providing and fixing on wall face unplasticised-PVC (working pressure 4 Kgf per sqm) rain water pipes conforming to IS:4985including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion				
	SOR 12.78.2	110mm diameter	Metre	50.00	257.50	12875.00
176	SOR 12.79	Providing and fixing on wall face unplasticised -PVC moulded fittings/ accessories for unplasticised PVC rainwater pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion.				
	SOR 12.79.1	Coupler				



	SOR 12.79.1.2	110mm	Each	6.00	120.00	720.00
	SOR 12.79.5	Bend 87.5°				
	SOR 12.79.5.2	110mm bend	Each	6.00	132.00	792.00
	SOR 12.79.6	Shoe (Plain)				
	SOR 12.79.6.2	110mm Shoe	Each	6.00	115.95	695.70
177	SOR 12.80	Providing and fixing unplasticised - PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S screws of required length including cutting brick work and fixing in cement mortar 1:4( 1 cement: 4 coarse sand) and making good the wall etc. complete.				
	SOR 12.80.2	110mm	Each	48.00	182.72	8770.56
178	SOR 12.81	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Each	6.00	47.90	287.40
C	DRAINAGE					
179	SOR 2.10	Excavating trenches of required width for pipes, cables etc including excavation for sockets and dressing of sides, ramming of bottoms depth upto 1.5m ,including getting out the excavated soil , and then returning the soil as required,in the layers not exceeding 20 cm in depth including consolidating each deposited layers by ramming watering and desposing of surplus excavated soil as directed within a lead of 50m				
(A)	SOR 2.10.1.2	pipes cables etc exceeding 80mm dia but not exceeding 300 mm dia	Metr.	55.00	391.70	21543.50
180	SOR 19.6	Providing and laying non -pressure NP2 class(light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 including testing of joints etc. complete				
(A)	SOR 19.6.2	150 mm dia R.C.C. pipe	Metr.	55.00	410.70	22588.50

94

18



181	SOR 19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement, 4 coarse sand.) R.C.C. top slab with 1:2:4 mix (1 cement, 2 coarse sand, 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:4:8 mix (1 cement, 4 coarse sand, 8 graded stone aggregate 40 mm nominal size.) inside plastering 12 mm thick with cement mortar 1:3 (1 cement, 3 coarse sand.) finished with floating coat of neat cement and making channels in cement concrete 1:2:4. finished with floating coat of neat cement complete as per standard design.				
(a)	SOR 19.7.1	Inside size 90x80cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimension total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg)				
	SOR 19.7.1.1	With common burnt clay F.P.S. (non modular) bricks with class designation 7.5	Each	10.00	7914.70	79147.00
(b)	SOR 19.7.2	Inside size 120x90cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal dimension total weight of cover and frame to be not less than 116 kg (weight of cover 68 kg and weight of frame 58 kg)				
	SOR 19.7.2.1	With common burnt clay F.P.S. (non modular) bricks with class designation 7.5	Each	2.00	18015.20	36030.40
182	SOR 19.32	Making soak pit 2.5 m diameter 3.0 meter deep with 45x45 cm dry brick honey comb shaft with brick of class designation 7.5 and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.				
	SOR 19.32.1	With common burnt clay F.P.S. (non modular) bricks with class designation 7.5	Each	1.00	33603.40	33603.40
183	SOR 19.4	Providing & fixing square mouth SW gully trap class SP1 complete with CI grating brick masonry chamber with water tight CI cover with frame of 300X300 size (inside) with wt. of cover to be not less than 4.50 kg. And frame to be not less than 2.70 kg as per standard design as per standard design				
	SOR 19.4.2	150x100 p type				
	SOR 19.4.2.1	With common burnt clay F.P.S. (non modular) bricks with class designation 7.5	each	1.00	1908.90	1908.90
D	SEPTIC TANK					

9th

8



Liquid Dimension 4500X1500X1500 cu-m						
184	SOR 2.8	Earthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated as directed within a lead of 50m				
	SOR 2.8.1	All kind of soil	Cum	48.88	360.70	17631.02
185	SOR 2.28	Supplying and filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete	Cum	2.03	287.30	583.22
186	SOR 4.1	Providing and laying in position concrete of specified grade excluding the cost of centring and shuttering all work upto plinth level				
	SOR 4.1.3	1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size)	Cum	2.03	3998.10	8116.14
187	SOR 6.1A	Brick work with bricks of class designation 100A in foundations and plinth in				
	SOR 6.1.14A	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	11.47	4819.90	55284.25
188	SOR 13.11	12 mm cement plaster of mix				
	SOR 13.11.2	1:4 (1 cement : 4 coarse sand)	Sqm.	93.28	152.90	14262.51
189	SOR 13.26	Neat cement punning	Sqm.	93.28	40.50	3777.84
190	SOR 11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	Sqm.	14.19	283.30	4020.03
191	SOR 5.3.	Reinforced cement concrete work in beams, suspended floors roofs, having slope upto 15, landing, balconies, shelves, chajjas, lintal, bends, plain window sills stair case, and spiral staircases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4	Cum	3.02	5335.90	16114.42
192	SOR 5.9	Centring and shuttering including strutting propping etc. and removal of form for				
	SOR 5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm.	10.72	437.50	4690.00
	SOR 5.9.5	Lintels, beams, plinth bams, griders, bressumers and cantilivers	Sqm.	0.38	404.70	153.79
	SOR 5.9.6	Columns, pillars, piers, abutments, posts and struts	Sqm.	6.00	494.40	2966.40



193	SOR 5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	SOR 5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	Kg	95.00	94.50	8977.50
	SOR 5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	Kg	95.00	92.60	8797.00
194	SOR 19.18	Supplying and fixing C.I cover without frame for manholes:				
	SOR 19.18.2	500 mm diameter C.I cover (medium duty) the weight of the cover to be not less than 58 kg.	Each	2.00	3164.60	6329.20
195	SOR 19.15	Providing M.S foot rests including fixing in septic tank with 20 x 20 x 10 cm cement concrete blocks 1:3:6 ( 1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) as per standard design:				
	SOR 19.15.1	With 20 x 20 mm square bar	Each	18.00	310.90	5596.20
<b>E TUBE WELL</b>						
196	SOR 24.1	Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in- charge, upto 90 metre depth below ground level.				
	24.1.2	Rocky strata including boulders				
	24.1.2.1	300 mm dia	Mtrs.	90.00	1118.60	100674.00
197	SOR 24.2	Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in- charge, upto 90 metre depth below ground level.				
	24.2.2	Rocky strata including boulders				
	24.2.2.1	300 mm dia	Mtrs.	3.00	567.90	1703.70

94

95



198	SOR 24.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS:12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer - in-charge.				
	24.3.2	150 mm nominal size dia	Mtrs.	30	660.10	19803.00
199	SOR 24.8	Gravels packing in tubewell construction in accordance with IS 4097 including providing gravel fine/medium/coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in charge.	cu_m	1.6	1343.20	2149.12
190	SOR 24.12	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by V notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	Hrs	96	916.80	88012.80
191	SOR 24.13	Providing & fixing suitable size threaded mild steel cap or spot welded plate to the top of borewell housing/ casing pipe, removable as per requirement, all complete for borewell of,				
	24.13.2	150 mm dia	each	2	210.70	421.40
192	SOR 24.14	Providing & fixing MS clamp of required dia to the top of housing/casing pipe of, removable as per tubewell as per IS:2800(part-I), including necessary bolts & nuts of required size complete				
	24.14.2	150 mm dia	each	2	1531.40	3062.80
F	RAIN WATER HARVESTING					
	(X).PIPE & CATCH PIT					



193	SOR 2.10	Excavating trenches of required width for pipes, cables etc including excavation for sockets and dressing of sides, ramming of bottoms depth upto 1.5m ,including getting out the excavated soil , and then returning the soil as required,in the layers not exceeding 20 cm in depth including consolidating each deposited layers by ramming watering and desposing of surplus excavated soil as directed within a lead of 50m				
(A)	SOR 2.10.1.2	pipes cables etc exceeding 80mm dia but not exceeding 300 mm dia	Metr.	61.00	391.70	23893.70
194	SOR 19.6	Providing and laying non -pressure NP2 class(light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 including testing of joints etc. complete				
(A)	SOR 19.6.3	250 mm dia R.C.C. pipe	Metr.	61.00	677.40	41321.40
195	SOR 19.27	Constructing brick masonry road gully chamber (Catch Basin) 50x45x60cms with bricks in cement mortar 1:4(1cement: 4 c coarse sand)including 500 X 450 mm pre-cast R.C.C. horizontal grating with frameand vertical grating complete as per standard design:				
	SOR 19.27.1	With common burnt clay F.P.S. (non modular)bricks with class designation 7.5	Each	12.00	3743.30	44919.60
		(Y)FILTER PIT & RECHARGE WELL				
196	SOR 2.8	Earthwork in excavation in foundation trenches or drains including dressing of sidesand ramming of bottoms,lift upto 1.5m,including getting out the excavated soil and disposal of surplus excavated as directed within a lead of 50m				
	SOR 2.8.1	All kind of soil	Cum	55.75	360.70	20109.03
197	SOR 2.28	Supplying and filling in plinth with local sand and under floors including watering,ramming consolidating and dressing complete	Cum	0.89	287.30	255.70
198	SOR 11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	Sqm	7.15	283.30	2025.60

PA

SP



199	SOR 4.1	Providing and laying in position concrete of specified grade excluding the cost of centring and shuttering all work upto plinth level				
	SOR 4.1.3	1:2:4(1cement:2 corse sand:4 graded stone aggregate 20mm nominal size	Cum	0.95	3998.10	3798.20
200	SOR 6.1A	Brick work with bricks of class designation 100A in foundations and plinth in				
	SOR 6.1.14A	Cement mortar 1:6(1 cement : 6 corse sand)	Cum	8.94	4819.90	43089.91
201	SOR 13.11	12 mm cement plaster of mix				
	SOR 13.11.2	1:4(1 cement : 4 corse sand)	Sqm.	31.30	152.90	4785.77
202	SOR 13.26	Neat cement punning	Sqm.	31.30	40.50	1267.65
203	SOR 5.3.	Reinforced cement concrete work in beams,suspended floors roofs,having slope upto 15, landing,balconies, shelves,chajjas,lintel,bends,plain window sills stair case,and spiral staircases up to floor five level excluding the cost of centering,shuttering,finishing and reinforcement with 1:2:4	Cum	1.16	5335.90	6189.64
204	SOR 5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	SOR 5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	Kg	28.00	94.50	2646.00
	SOR 5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	Kg	28.00	92.60	2592.80
205	SOR 19.18	Supplying and fixing C.I cover without frame for manholes:				
	SOR 19.18.2	500 mm diameter C.I cover (medium duty) the weiht of he cover to be not less than 58 kg.	Each	1.00	3164.60	3164.60
206	SOR 24.1	Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log,including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in- charge, upto 90 metre depth below ground level.				
	24.1.1	All types of soil				
	24.1.1.1	300 mm dia	metre	40.00	486.80	19472.00

GA

B



207	SOR 24.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS:12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer - in-charge.				
	24.3.1	100 mm nominal size dia Page 8	metre	37.00	546.10	20205.70
208	SOR 24.4	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.				
	24.4.1	100 mm nominal size dia	metre	3.00	573.10	1719.30
209	SOR 24.5	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in Recharge Pit, in the required thickness, for all leads & lifts, . all complete as per direction of Engineer-in-charge	cu-m	3.18	1188.90	3780.70
210	SOR 24.6	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the Recharge Pit, over the existing layer boulders in the required thickness, for all leads & lifts, . all complete as per direction of Engineer in-charge	cu-m	3.00	1195.60	3586.80
211	SOR 24.7	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm, in the Recharge Pit, in the required thickness over gravel layer, for all leads & lifts, . all complete as per direction of Engineer-in-charge	cu-m	3.00	1195.60	3586.80
212	SOR 24.13	Providing & fixing suitable size threaded mild steel cap or spot welded plate to top of borewell housing/casing pipe, removable as per requirement all complete for borewell of				
	SOR 24.13.1	100 mm dia	each	1.00	189.70	189.70
213	SOR 24.14	Providing & fixing MS clamp of required dia to the top of housing/casing pipe of, removable as per tubewell as per IS:2800(part-I), including necessary bolts & nuts of required size complete				
	SOR 24.14.1	100 mm clamp	each	1.00	1448.40	1448.40
214	SOR 24.15	Providing & fixing Bail plug/ bottom plug of required dia to the bottom of pipe assembly as per IS:2800(part-I),				

9th

SP



	SOR 24.15.1	100 mm dia	each	1.00	228.30	228.30
<b>G</b>	<b>CAMPUS DRAINAGE</b>					
215	SOR 2.10	Excavating trenches of required width for pipes, cables etc including excavation for sockets and dressing of sides, ramming of bottoms depth upto 1.5m ,including getting out the excavated soil , and then returning the soil as required,in the layers not exceeding 20 cm in depth including consolidating each deposited layers by ramming watering and desposing of surplus excavated soil as dirceted within a lead of 50m				
(A)	SOR 2.10.1.2	pipes cables etc exceeding 80mm dia but not exceeding 300 mm dia	Metr.	107.00	391.70	41911.90
216	SOR 19.6	Providing and laying non -pressure NP2 class(light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 including testing of joints etc. complete				
(A)	SOR 19.6.2	150 mm dia R.C.C. pipe	Metr.	17.00	410.70	6981.90
(B)	SOR 19.6.3	250 mm dia R.C.C. pipe	Metr.	72.00	677.40	48772.80
217	SOR 19.27	Constructing brick masonry road gully chamber (Catch Basin) 50x45x60cms with bricks in cement mortar 1:4(1cement: 4 c coarse sand)including 500 X 450 mm pre-cast R.C.C. horizontal grating with frameand vertical grating complete as per standard design:				
	SOR 19.27.1	With cmmn burnt clay F.P.S. (non modular)bricks with class designation 7.5	Each	15.00	3743.30	56149.50
	<b>Total of Schedule Items</b>					1213888.98
	<b>Adding difference of GST Factor</b>					65064.45
<b>G</b>	<b>NON SCHEDULED ITEMS(MARKET RATE)</b>					
(a)	<b>PUMP</b>					
	MR	Establishment of 1.5 HP of submersible pump set (detail attchhed)	each	1.00	32000.00	32000.00
(b)	<b>P.V.C. PIPE</b>					
	ANALYSIS	Providing and fixing soil,waste and vent pipes				
	ANALYSIS 1(a)	110 mm dia	metre	143.00	320.00	45760.00
(C)	<b>P.V.C. FITTINGS</b>					
	(I)	<b>DOOR TEE</b>				
	ANALYSIS	110 mm dia	each	8.00	230.00	1840.00
	(II)	<b>DOOR BEND</b>				



	ANALYSIS	110 mm dia	each	12.00	175.00	2100.00
	(iii)	BEND 45				
	ANALYSIS	110 mm dia	each	34.00	130.00	4420.00
	(iv)	VENT COWEL				
218	ANALYSIS	110 mm dia	each	9.00	35.00	315.00
	(v)	PIPE CLIP				
	ANALYSIS	110 mm dia	each	92.00	24.00	2208.00
	(vi)	FLOOR TRAP				
	ANALYSIS	110X110 mm dia	each	14.00	300.00	4200.00
	(vii)	DOUBLE DOOR TEE				
	ANALYSIS	110 mm dia	each	1.00	320.00	320.00
		TOTAL				1372116.43

#### CAMPUS DEVELOPMENT WORKS

219	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	Cum	271.46	287.30	77,989.19
220	16.78	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.				
	16.78.2	With material conforming to Grade-II (size range 53 mm to 0.075 mm ) having CBR Value-25	Cum.	42.80	1239.40	53,045.70



221	16.43	"Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints ( 10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately).				
		Note:- Cement content considered in M-30 is @ 340 kg/cum. Nothing extra shall be payable for additional materials components recommended through design mix report in variance with CPWD specifications				
	16.43.1	Cement concrete prepared with batch mixing machine	Cum.	35.48	5585.50	1,98,195.88






222	11.79	Providing and laying factory made chamfered edge Cement Concrete paver blocks of required strength, thickness & size/shape, made by table vibratory method, to attain superior smooth finish using PU or equivalent moulds, laid in required Grey colour & pattern over 50mm thick compacted bed of coarse sand, compacting and proper embedding / laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with jamuna sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks, lawns, drive ways or light traffic parking etc. all complete as per manufacturer's specifications & direction of Engineer -in-Charge:				
223	11.79.1	(a) 80 mm thick c.c. paver block of M-35 grade with approved colour design and pattern	sqm	118.91	956.40	1,13,725.52
224	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	4.5	7998.80	35,994.60
225	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	Sqm	166.42	283.30	47,146.79

9th

18



226	23.1	Trenching in ordinary soil up to a depth of 60cm including removal and stacking of serviceable materials and then disposing of by spreading and neatly levelling within a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	Cum	246.31	44.70	11,009.88
227	23.2	Supplying and stacking of good earth at site including royalty but excluding carriage (earth measured in stacks will be reduced by 20% for payment).	Cum	246.31	143.50	35,344.91
228	23.4	Supplying and stacking at site dump manure from approved source, excluding carriage (manure measured in stacks will be reduced by 8% for payment):				
	23.4.2	Screened through sieve of I.S designation 16mm	Cum	6.57	299.40	1,966.51
229	23.5	Rough dressing the trenched ground including breaking clods.	100sqm	4.11	85.90	352.63
230	23.6	Uprooting weeds form the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	100sqm	4.11	283.20	1,162.56
231	23.7	Fine dressing the ground	100sqm	4.11	208.80	857.14
232	23.8	Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/and good earth to be paid separately).	Cum	246.31	30.10	7,413.81
233	23.9	Mixing earth and sludge or manure in proportion specified or directed.	Cum	246.31	20.90	5,147.80
		Good Earth lead=(1k+2p) km	Cum	246.31	314.21	77,391.81
		Sludge or Manure Lead 8km	Cum	36.95	393.79	14,548.93
		<b>Total</b>				<b>3,69,372.26</b>
		<b>Add 5.36% GST on BSR item as per BCD</b>				<b>19,798.35</b>
		<b>SUBTOTAL(A)</b>				<b>3,89,170.61</b>
234	NS	Supplying of sludge	Cum	36.95	416.34	15,382.06
		Bismarckia Nobilis-03 Feet	Each	3.00	1200.00	3,600.00
		Phoenix Dwarf-03 Feet	Each	3.00	500.00	1,500.00
		Chamaerops Humilis- Size-02 Feet	Each	3.00	500.00	1,500.00
		Crinum Golden-Size-05 Feet	Each	3.00	500.00	1,500.00
		Wooditiya Bifurcata – Size-10 Feet	Each	3.00	1200.00	3,600.00
		Sansevieria Jaboa- Size-03 Feet	Each	3.00	450.00	1,350.00
		Brachychiton Varieties- Size-08 Feet	Each	3.00	2600.00	7,800.00
		Plumeria Pudica- Size-05 Feet	Each	3.00	520.00	1,560.00

GA

VB



235	NS	Planting the various varieties of plants, all complete, with digging all holes, providing sludge / manure / fertilisers etc. as required for the particular varieties, all complete, as per directions of E/I, all complete, with a maintenance of 3 months from the date of the plantation	Each	87.00	500.00	43,500.00
236	DSR 5.14	Providing and Displaying Cycus revoluta in 35 cm challi, specimen, having 30 to 40 with fresh and healthy, leaves having 25cm to 30cm circumference of base stem well developed as per direction of the officer-in-charge	Each	2.00	1183.90	2,367.80
237	DSR 7.69	Providing and stacking of Plumeria alba of height 120-135 cm. with 2-3 branches in bags of size 30 cm as per direction of the officer-in-charge.	Each	5.00	120.00	600.00
238	DSR 5.33	Providing and Displaying Golden Bottle brush Topiary well developed with fresh & healthy foliage 5 to 6 big ball 115 to 180 cm ht in 40 cm Cement Pot as per direction of the officer-in-charge	Each	3.00	973.75	2,921.25
239	DSR 7.64	Providing and stacking of Phyllanthus emblica (Amla) of height 150-165 cm. in Big HDPE Bag as per direction of the officer-in-charge.	Each	3.00	90.00	270.00
240	DSR 7.18	Providing and stacking of Cassia javanica of height 120-150 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge	Each	5.00	85.00	425.00
241	DSR 7.72	Providing and stacking of Plumeria rubra of height 120-150 cm. with 3-4 branches and thick stem in big size HDPE bags as per direction of the officer-in-charge	Each	2.00	400.00	800.00
242	DSR 8.13	Providing and stacking of Cestrum nocturnum (Raat ki Rani) of height 60-75 cm. with 4-5 branches in bag of size 25 cm as per direction	Each	5.00	40.00	200.00
243	DSR 8.30	Providing and stacking of Gardenia jasminoides of height 45-60 cm. with 3-4 branches in earthen pots of size 20 cm as per direction of the officer-in-charge.	Each	5.00	50.00	250.00

97

18



244	DSR 5.14	Providing and Displaying Cucus revoluta in 35 cm challi, specimen , having 30 to 40 with fresh and healthy, leaves having 25cm to 30cm circumfrance of base stem well developed as per direction of the officer-in-charge	Each	2.00	1183.90	2,367.80
245	DSR 6.13	Providing and stacking of Euphorbia milli hybrid variety, having ht.30 cm to 45 cm with multi branch, full bloom, fresh and healthy leaves in 20 cm size of Earthen Pot/Plastic Pot & as per direction of the officer-in-charge	Each	5.00	70.00	350.00
246	DSR 6.30	Providing and stacking of Tradescantia zebrina having in 15 cm size of Earthen Pot/Plastic Pot & as per direction of the officer-in-charge	Each	5.00	20.00	100.00
247	DSR4.79	Providing and Displaying Portulaca hybrid in different colour with bloom well developed fresh & healthy in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	Each	5.00	86.10	430.50
248	DSR 6.31	Providing and stacking of Wedelia trilobata,full of leaves in 15 cm size of Earthen Pot/Plastic Pot & as per direction of the officer-in-charge	Each	8.00	15.00	120.00
249	DSR 6.28	Providing and stacking of Syngonium variegated,of height 20-30 cm. with 2-3 suckers healthy foliage in Earthen Pot/Plastic Pot of size 15 cm. as per direction of the officer-in-charge	Each	8.00	21.00	168.00
		<b>SUBTOTAL(B)</b>				<b>92,662.41</b>
		<b>TOTAL(A+B)</b>				<b>4,81,833.02</b>
250	<b>Carraige of Material Used</b>					
		Local sand	cum	273.956	336.17	92095.79
		Coarse sand	cum	15.96	3101.73	49503.61
		Bricks	thousand	5.368	1331.45	7147.22
		Paver	thousand	3.836	916.9	3517.23
		Stone chips	cum	84.942	2060.6	175031.49
251	<b>Difference of cost</b>					
		Brick 100A	thousand	5.368	388.76	2086.86
		Cement	MT	12.063	19.73	238.00
252	<b>Seigniorage Cost of Material</b>					
		Coarse sand	cum	15.96	175.8	2805.77
		Stone chips	cum	84.942	595.36	50571.07
		L sand	cum	273.956	141.85	38860.66
		Bricks	thousand	5.368	5128	27527.10
		<b>TOTAL</b>				<b>9,31,217.83</b>

**FIRE FIGHTING WORKS**







		<b>SUBHEAD-I(A): FIRE PUMPS AND HYDRANT WORKS (NON SCHEDULED ITEMS)</b>				
253		<b>FIRE PUMPS - ELECTRICAL</b>				
	4	Supplying, installation, testing and commissioning of electric driven terrace pump suitable for automatic operation and consisting of following, complete in all respects, as required: <b>(Terrace Pump)</b>				
		(a)Horizontal type, multistage,centrifugal,split casing pump of castir on body & bronze impeller with stainless steel shaft, mechanical confirming to IS : 1520				
		(b)Suitable HP squirell cage induction motor TEFC type suitable for operation on 415 volts,3phase,50Hz,Ac supply with IP55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325.				
		(c)M.S.fabricated common base plate,coupling, coupling guard, foundation bolts etc.as required.				
		(d)Suitable cement concrete foundation duly plastered and wit hanti vibration pads.				
	4.2	450 lpm at 35 m Head	Set	1.00	84198.00	84198.00
254	22	Providing & fixing of pressure switch in M.S. pipe line including connection etc. as required.	Each	1.00	1442.00	1442.00
255	20	Supplying and fixing air vessel made of 250 mm dia, 8 mm thick MS sheet, 1200 mm in height with air release valve on top and flanged connection to riser, drain arrangement with 25 mm dia gun metal wheel valve with required accessories, pressure gauge and paintingwith synthetic enamel paint of approved shade as required.	Each	1.00	17707.00	17707.00
256		<b>Fire Hose Cabinet</b>				

94

18



	9	Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required :				
	9.2	Single headed Stainless steel	Each	3.00	5722.00	17166.00
257	10	Supplying and fixing Single headed external yard hydrant valve with 1 No. 63 mm dia instantaneous FM Gunmetal/Stainless Steel coupling and cast iron wheel, ISI marked, conforming to IS 5290 (type A) with blank Gunmetal/Stainless Steel cap and chain as required :				
	10.2	Single headed Stainless steel	Each	3.00	5722.00	17166.00
258	17	Supplying and fixing first-aid Hose Reel with MS construction spray painted in post office red, conforming to IS 884 complete with the following asrequired.				
		20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type -2 as per IS: 12585				
		20 mm nominal internal dia gun metal globe valve & nozzle.				
		Drum and brackets for fixing the equipments on wall.				
		Connections from riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket.				
	17.1	30 m	Each	3.00	7920.00	23760.00
259	16	Supplying and fixing 63 mm dia, 15 m long RRL hose pipe with 63 mm dia male and female couplings duly bound with GI wire, rivets etc. conforming to IS 636 (type-A) as required :				
	16.2	Stainless steel (Grade 304)	Each	6.00	4445.00	26670.00
260	18	Supplying & fixing 63 mm dia gun metal short branch pipe with 20 mm nominal internal diameter size nozzle conforming to IS 903 suitable for instantaneous connection to interconnect hose pipe coupling as required :				
	18.2	Stainless steel (Grade 304)	Each	3.00	1631.00	4893.00

24

SP



261	13	Supplying and fixing orifice plate made out of 6 mm thick stainless steel (Grade 304) with orifice of required size to be fitted between flange & landing valve of external and internal hydrants to reduce pressure at the outlet to the level of 3.5 kg/cm <sup>2</sup> complete as required.	Each	3.00	1236.00	3708.00
262	19	Supplying and fixing of fire brigade connection of cast iron body with gun metal male instantaneous inlet couplings complete with cap and chain as reqd. for suitable dia MS pipe connection conforming to IS 904 as required :				
	19.2	4 way - 150 mm dia M.S. Pipe	Set	1.00	13636.00	13636.00
		<b>SUBHEAD-I (B): PIPING FOR FIRE FIGHTING SYSTEM</b>				
263	2.1	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
	2.10.1	All kinds of soil				
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	Cum	15.00	391.70	5875.50
264	4.5	Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc. including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required centering, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 Cement : 3 fine sand) on exposed surfaces complete.				
	4.5.1	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size).	Cum	1.00	5341.10	5341.10






265	18.34.1	Constructing masonry chamber 90 X 90 x100 cm. inside with 75 class designation brickwork in cement mortar 1:5 ( 1 cement : 5 fine sand) for sluice valve with CI surface box 100 mm top dia. 180 mm bottom dia. And 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1 : 5 : 10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size and inside plastering with 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design with FPS bricks	Each	1.00	13559.90	13559.90
266	18.59	Providing and fixing C.I. double acting air valves of approved quality with bolts, nuts, rubber insertions etc. complete ( The tail pieces, tapers etc. if reqd. will be paid separately)				
	18.59.1	50 mm dia.	Each	1.00	5121.20	5121.20
267	12	Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets and conforming to IS 780 of following sizes as required :				
	12.5	100 mm dia.pipe	Each	1.00	14109.00	14109.00
268	14	Providing, installation, testing and commissioning of non-return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required :				
	14.4	80 mm dia	Each	0.00	7287.00	0.00
	14.5	100 mm dia	Each	2.00	10478.00	20956.00
269	11	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required :				
	11.4	80 mm dia	Each	3.00	4588.00	13764.00
	11.5	100 mm dia	Each	2.00	6056.00	12112.00

9A

8



270	ELC DSR 16.8	Providing and fixing in position the industrial type <b>Pressure Gauges</b> with gun metal / brass valves complete as required	Each	3.00	1196.00	3588.00
		<b>SUBHEAD-II (B):PIPING FOR FIRE FIGHTING SYSTEM</b>				
271	7	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS:1239 including Welding, fittings like elbows, tees, flanges,tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required : (Above Ground)				
		Note:				
		Threaded joint upto 50mm diameter pipe.				
		Welded joint above 50mm diameter pipe.				
	7.7	100 mm nominal bore (class C)	Rm	29.00	1316.00	38164.00
	7.6	80 mm nominal bore (class C)	Rm	6.00	951.00	5706.00
	7.5	65 mm nominal bore (class C)	Rm	5.00	832.00	4160.00
	7.4	50 mm nominal bore (class C)	Rm	3.00	646.00	1938.00
	7.1	25 mm nominal bore (class C)	Rm	7.00	359.00	2513.00
		<b>SUBHEAD- III: FIRE ELECTRICAL WORKS (DSR 2022)</b>				
272	DSR 2022 5.4	Earthing with G.I. Earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	2.00	7472.00	14944.00
273	5.11	Supplying and laying 25 mm x 5 mm. G.I. strip in 40 mm dia. G.I. Pipe from earth electrode, including connection with GI nut, bolt, spring, washer excavation and re-filling etc as required.	Rm	40.00	706.00	28240.00
274	5.15	Providing & fixing 25mm x 5mm G.I. strip on surface or in recess for connections etc. as required.	Rm	110.00	244.00	26840.00
275	5.18	Providing and Fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing alongwith existing surface/ recessed conduit/ submain wiring/ cable as required.	Rm	180.00	42.00	7560.00

271

18



276	4.1	Supplying, fabricating and installing following size of perforated painted with powder coating M.S. cable trays, with perforation not more than 17.5%, in convenient section, joined with connectors, suspended from the ceiling with MS suspenders including bolts & nuts, painting suspenders etc. as required.				
	4.1.1	100 mm width X 50 mm depth X 1.6 mm thickness	Rm	40.00	543.00	21720.00
	4.1.4	300 mm width X 50 mm depth X 1.6 mm thickness	Rm	30.00	777.00	23310.00
277	7.7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
	7.7.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	RM	25.00	55.00	1375.00
278	7.7.3	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	RM	140.00	153.00	21420.00
279	9.1	Supplying of all materials and making terminations of 1.1 KV grade aluminium multicore cables of the following sizes. The work includes cable glanding using brass plated double compression glands, sizing the core leads, removing insulation, fixing suitable crimping type copper lugs/ thimbles by using hydraulic crimping tools with correct size of the dies, shaping the leads and neatly connecting the same to the equipment				
	9.1.25	3.5 Core 120 sq. mm. Armoured Aluminium cable.	Mtr	20.00	613.00	12260.00
	9.1.21	3.5 Core 35 sq. mm. Armoured Aluminium cable.	Mtr	60.00	369.00	22140.00
	9.1.8	3.5 Core 16 sq. mm. Armoured Aluminium cable.	Mtr	20.00	270.00	5400.00
280	1.17	Control Cabling (PVC insulated and PVC sheathed, armoured, Copper Conductor of 1.1 KV grade on existing cable trays).				
	1.17.5	5C x 1.5 Sq. mm	RM	120.00	155.00	18600.00
		<b>Total</b>				<b>561062.70</b>
		<b>Add 5.36 % GST on SOR Item as per BCD</b>				<b>30072.96</b>
		<b>SUBTOTAL-A</b>				<b>591135.66</b>



		<b>SUBHEAD- IV (B): FIRE EXTINGUISHER (NON SCHEDULED ITEMS)</b>				
281	MR	Providing and fixing carbondi Oxide type fire extinguishers consisting of welded M.S. cylindrical body, internal discharge tube, discharge nozzle, suspension bracket, conforming to IS 2878, finished externally with red enamel paint and fixed to wall with brackets complete with internal charges.				
		Capacity 4.5 kg	Nos.	5.00	5700.00	28500.00
282	M.R.	Providing & Fixing of stored pressure Fire Extinguisher ABC powder type (Mono Ammonium Phosphate Powder) Magnetic Pressure Gauge having the facility to check at site, Discharge Time less than 9 Secs, Controllable discharge mechanism, Range minimum 4 Meters, applicable on Class A,B,C and electrically started Fire, A Rating- 21A, B Rating 55B as per BS EN-3 BIS 15683 marked, Can Construction : Deep drawn & CO2 Mig welded, Valve Construction : Forging & Machining, Internal Coating of Can : Epoxy Powder coating, External Coating of Can : Epoxy Polyster Powder coating, Sheet metal thickness : 1.60MM, Helium LeakDetection Tested, Warranty.				
		Capacity 6 Kg.	Nos.	5.00	3000.00	15000.00
283		Providing and fixing angle iron (40 mm x 40 mm x 5 mm) MS door frame 900x2100 door capable of accommodating fire hose reel, landing valve, hose pipes, fittings & accessories. The door shall have a front glass with lock and key arrangement & shall be painted with post office red colour (approval shall be taken on the basis of submitted sample before ordering) Cost of fire extinguishers not included in item rate. (Liasioing with civil contractor for making 900x600x2100 Recessed type mansoary box (by civil contractor).	Each	2.00	12980.00	25960.00

90

8



284		Providing and fixing of TAC approved 1.6mm thick M.S. fire hose cabinet (750x600x250mm) made out of 16 gauge M.S. sheet capable of accommodating landing valve, hose pipes, fittings & accessories. The box shall have a front glass door with lock and key arrangement & shall be painted with post office red colour (approval shall be taken on the basis of submitted sample before ordering) - for external and roof hydrant.	Each	1.00	6500.00	6500.00
285		Providing and fixing of Fire Axe	Each	2.00	500.00	1000.00
286	M.R.	Providing, fixing, testing and commissioning of full way level operated forged brass ball valve of brass body with forged brass hard chrome plated steel ball tested to a pressure not less than 15 kg/sq.cm with threaded/flanged complete with nuts, bolts, gaskets, washers etc. as required complete as per direction of Engineer incharge.				
		25 mm NB	Each	3.00	1400.00	4200.00
		50 mm NB	Each	2.00	5000.00	10000.00
287	M.R.	<b>ROOF FIRE PANELS:</b>				
		Supply, installation, testing and commissioning of following integrated, cubicle type, dead front, extensible, sheet steel control panel. The panel shall be suitable for 440 volts, 50 cycles, 4 wire supply	Item	1.00	50000.00	50000.00
		The following components and accessories shall be mounted with in each control panel.				
		One no 100 amps TP incoming MCCB with the following:				
		.5Volts 96X96 mm Volt meter with selector switch and control fuses 1 set				
		0-100 Amps 69X69 sq meter mm Ammeter with CT and selector switch- 1 set				
		Phase indicating lamp with toggle switches.				
		Indication lamps for ON/OFF/TRIP status				
		Outgoing Feeders / Starters as below:				

(9th)

VP



	100 ATP MCCB with star / delta as starter suitable for 30 HP motor for Downcomer Pump - 1 Set				
	Provision in control panel to connect flow switch for automatic operation of roof fire pumps.				
	<b>SUBTOTAL-B</b>				<b>141160.00</b>
	<b>GRAND TOTAL(A+B)</b>				<b>732295.66</b>

<b>Total of Civil Works+PHE Works+Electrical Works+Fire Fighting Works+Campus Development Works</b>	<b>2,66,61,176.91</b>
---	-----------------------

2,71,14,683.00

Rangan Kumar  
10/2/26  
JE  
N.P. Padbatta

Vivek Singh  
10/02/26  
AE

10/2/26

BOQ is approved for Rs. 2,71,14,683.00.00 (Rupees Two Crore Seventy One lakh Fourteen Thousand Six Hundred Eighty Three only)

13.02.2026  
A.E.

अधीक्षण अभियंता  
नगर विकास अंचल, मुंगेर