	SUMMARY SHEET			
C No		AMOUNT	UNT (IN RS)	
S.No	PARTICULARS	DSR	NON DSR	
	CIVIL WORKS			
1	Earth Work	1,52,73,827		
2	Concrete Work	1,24,94,262		
3	Reinforced Cement Concrete	13,98,64,539		
4	Masonry Work	2,92,12,175		
5	Stone Work	1,07,40,133		
6	Cladding Work	42,40,866		
7	Wood & PVC Work	33,44,714		
8	Steel Work	1,40,69,947		
9	Flooring	1,77,06,301		
10	Roofing	28,21,188		
11	Finishing	2,49,54,542		
12	Aluminium Work	2,49,215		
13	Water Proofing	51,86,491		
14	Road Work	1,18,20,871		
15	Non-Schedule Items		39,59,598.88	
	TOTAL AMOUNT (DSR)	29,19,79,071		
	TOTAL AMOUNT (NON DSR)		39,59,598.88	
	Add enhancement @ 27.26% due to increase in Cost Index (latest) for	79593495		
	Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as			
	120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide			
	OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {[(1.05 x 1.01 x			
	1.18 x 120)-118]/118] x 100 = 27.26%}			
	CRAND TOTAL (CIVIL MORKS) (In Da)	37,15,72,566	37,55,32,165	
	GRAND TOTAL (CIVIL WORKS) (In Rs)	37,13,72,300	37,33,32,103	
	PLUMBING WORKS			
4.0				
16	Sanitary Installations	16,40,627.16	3,26,897.61	
16 17	Sanitary Installations  Drainage Installations	16,40,627.16 5,83,732.18	3,26,897.61 6,02,687.07	
	·			
17	Drainage Installations	5,83,732.18	6,02,687.07	
17 18	Drainage Installations Water supply Installations	5,83,732.18 12,26,515.21	6,02,687.07	
17 18 19	Drainage Installations Water supply Installations External Sewage Drainage System	5,83,732.18 12,26,515.21 20,99,398.29	6,02,687.07	
17 18 19 20	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79	6,02,687.07	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30	6,02,687.07	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63	6,02,687.07 34,277.08	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57	6,02,687.07	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63	6,02,687.07 34,277.08	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57	6,02,687.07 34,277.08	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57	6,02,687.07 34,277.08	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57	6,02,687.07 34,277.08	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57	6,02,687.07 34,277.08	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {[(1.05 x 1.01 x	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57	6,02,687.07 34,277.08	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {[(1.05 x 1.01 x 1.18 x 120)-118]/118] x 100 = 27.26%}	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57	6,02,687.07 34,277.08 9,63,861.75	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {[(1.05 x 1.01 x	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57	6,02,687.07 34,277.08	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {[(1.05 x 1.01 x 1.18 x 120)-118]/118] x 100 = 27.26%}	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57	6,02,687.07 34,277.08 9,63,861.75	
17 18 19 20 21	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {[(1.05 x 1.01 x 1.18 x 120)-118]/118] x 100 = 27.26%}  GRAND TOTAL (PLUMBING WORKS) (in Rs)	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57	6,02,687.07 34,277.08 9,63,861.75	
17 18 19 20 21 22	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {{(1.05 x 1.01 x 1.18 x 120)-118}/118} x 100 = 27.26%}  GRAND TOTAL (PLUMBING WORKS) (In Rs)	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57 2768327	6,02,687.07 34,277.08 9,63,861.75	
17 18 19 20 21 22 22	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {{(1.05 x 1.01 x 1.18 x 120)-118}/118} x 100 = 27.26%}  GRAND TOTAL (PLUMBING WORKS) (In Rs)  FIRE FIGHTING WORKS	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57 2768327	6,02,687.07 34,277.08 9,63,861.75	
17 18 19 20 21 22 22 23 24	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {[(1.05 x 1.01 x 1.18 x 120)-118]/118] x 100 = 27.26%}  GRAND TOTAL (PLUMBING WORKS) (In Rs)  FIRE FIGHTING WORKS  Piping & Valves  Fire Hydrant Accessories	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57 2768327	6,02,687.07 34,277.08 9,63,861.75 1,38,87,460.32	
17 18 19 20 21 22 22 23 24 25	Drainage Installations  Water supply Installations  External Sewage Drainage System  External Storm Water Drainage System  External Fresh Water Supply System  Bore well  TOTAL AMOUNT (DSR)  TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {[(1.05 x 1.01 x 1.18 x 120)-118]/118] x 100 = 27.26%}  GRAND TOTAL (PLUMBING WORKS) (In Rs)  FIRE FIGHTING WORKS  Piping & Valves  Fire Hydrant Accessories  Fire Extinguishers & Miscellaneous Items	5,83,732.18 12,26,515.21 20,99,398.29 35,02,442.79 9,43,540.30 1,59,015.63 1,01,55,271.57  2768327  4,41,129.31 1,60,368.61	6,02,687.07 34,277.08 9,63,861.75 1,38,87,460.32 2,166.71 1,36,689.37	

	SUMMARY SHEET	AMOUN	T (IN RS)
S.No	PARTICULARS	DSR	NON DSR
	Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. $\{[(1.05 \times 1.01 \times 1.18 \times 120)-118]/118] \times 100 = 27.26\%\}$	253431	
	GRAND TOTAL (FIRE FIGHTING WORKS) (In Rs)		14,40,420.36
	ELECTRICAL WORKS (Internal)		
27	Internal Wiring	59,59,504.50	39,592.83
28	Distribution Boards & MCB's	7,22,223.17	23,858.21
29	Telephone, Television & Data System (socket, wiring & conduting only)	5,40,978.50	20,128.41
30	Light Fixtures & Fan	5,23,310.15	20,46,612.81
	TOTAL AMOUNT (DSR)	77,46,016.32	
	TOTAL AMOUNT (NON DSR)		21,30,192.27
	Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {[(1.05 x 1.01 x 1.18 x 120)-118]/118] x 100 = 27.26%}	2111564	
	GRAND TOTAL (ELECTRICAL WORKS INTERNAL) (In Rs)		1,19,87,772.58
	ELECTRICAL WORKS (External)		
31	Transformer and HT Panel		11,80,113.00
32	LT Panel, Feeder Pillar and Capacitor Panels		13,71,523.00
33	LT Cables	7,57,559.89	14,57,388.00
34	HT Cables	36,256.98	66,400.00
35	Miscellaneous	8,223.14	20,063.00
36	Earthing	3,57,105.39	
37	Pole Erection	4,64,778.16	
38	External Lighting System	4,91,741.36	21,49,289.21
39 40	UPS - 10 kVA		2,38,404.20
41	Lightning Arrestor System for Transformer Pumps		12,730.24 3,01,175.36
42	CCTV System	1,20,535.38	4,82,925.18
43	Lightning Conductor	3,02,611.37	,- ,
44	62.5 KVA DG Set and associated works		7,71,820.38
	TOTAL AMOUNT (DSR)	25,38,811.65	
	TOTAL AMOUNT (NON DSR)  Add enhancement @ 27.26% due to increase in Cost Index (latest) for Sivsagar/Jorhat/Golaghat/Numaligarh, nearest station to Silonijan and Phuloni as 120 as on 01-04-2021 with DPAR 2021 (base 100). The enhancement is derived vide OM dated 06-08-2021 issued by EE (Planning), CPWD Guwahati. {[(1.05 x 1.01 x 1.18 x 120)-118]/118] x 100 = 27.26%}	692080	80,51,831.58
	GRAND TOTAL (ELECTRICAL WORKS EXTERNAL) (In Rs)		
			1,12,82,723.23
	Total Estimated Cost including 12% GST (in Rs.)		41,41,30,541.38
	Total Estimated Cost with 18% GST (in Rs.)	(A)	43,63,27,938.40
	Multiplying factor 1.0536		

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
		CIVIL WORKS				
1.0	2	Earth Work				
1.01	2.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding				
		1.5 m in width as well as 10 sqm on plan including getting out and disposal of				
		excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge:				
1.01.1			Cum	6142	92.55	5,68,460.61
1.01	2.6					
1.01	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm				
		on plan) including getting out and disposal of excavated earth lead upto 50m				
		and lift upto 1.5m, as directed by Engineer-in-charge.				
1.01.1	2.6.1	All kinds of soil	Cum	21426	181.85	38,96,345.20
1.02						
1.02	2.7	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm				
		on plan) including getting out and disposal of excavated earth lead upto 50m				
		and lift upto 1.5m, as directed by Engineer-in-charge.				
1.02.1	2.7.1	Ordinary Rock	Cum	1024	352.45	3,60,927.48
1.02.02	2.7.2	Hard rock (requiring blasting)	Cum	511	609.65	3,11,834.15
1.03	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual				
1.03	2.0	means in foundation trenches or drains (not exceeding 1.5 m in width or 10				
		sqm on plan), including dressing of sides and ramming of bottoms, lift upto				
		1.5m, including getting out the excavated soil and disposal of surplus				
		excavated soil as directed within al lead of 50m.				
1.03.1	2.8.1	All kinds of soil.	Cum	5654	252.30	14,26,534.38
1.04	2.9	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on				
		plan), including dressing of sides and ramming of bottoms, lift upto 1.5m,				
		including getting out the excavated soil and disposal of surplus excavated soils				
		as directed within a lead of 50m.				
1.04.01	2.9.1	Ordinary Rock	Cum	223	448.15	1,00,138.67
1.04.02	2.9.2	Hard rock (requiring blasting)	Cum	112	729.00	81,833.17
1.05	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of	C	22258	219.65	40.00.000.00
1.05	2.25	foundations etc. in layers not exceeding 20cm in depth, consolidating each	Cum	22238	219.63	48,88,869.80
		deposited layer by ramming and watering lead upto 50m and lift upto 1.50m.				
1.06	2.26	Extra for every additional lift of 1.5 m or part thereof in excavation / banking				
10001	2261	excavated or stacked materials.		2210	00.40	0.00 501.55
1.06.01	2.26.1	All kinds of soil	Cum	2310	90.40	2,08,794.98
		Supplying and filling in plinth with sand under floors, including watering,	Cum	1924	1953.05	37,58,064.67
1.07	2.27	supplying and finning in pinnur with sailed theors, including watering,		-		
1.07	2.27	ramming, consolidating and dressing complete.		-		
		ramming, consolidating and dressing complete.			12.55	4,02,171.03
1.07	2.27	ramming, consolidating and dressing complete.  Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above	Sqm	32046	12.55	4,02,171.03
		ramming, consolidating and dressing complete.  Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50m outside the			12.55	4,02,171.03
		ramming, consolidating and dressing complete.  Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above			12.55	4,02,171.03
		ramming, consolidating and dressing complete.  Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50m outside the			12.55 14276158.84	4,02,171.03 1,60,03,974.12
1.08	2.31	ramming, consolidating and dressing complete.  Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared.  Total of sub-head (1.0)				
		ramming, consolidating and dressing complete.  Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared.  Total of sub-head (1.0)  Concrete Work  Providing and laying in position cement concrete of specified grade excluding				
1.08	2.31	ramming, consolidating and dressing complete.  Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared.  Total of sub-head (1.0)  Concrete Work				

DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources: 10	Cum	1344	5520.30	74,19,155.68
4 1 10	graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	137	6788 60	9,33,055.28
		Cum	137	0786.00	7,55,055.20
4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	120	8554.50	10,23,691.35
4.3	Centering and shuttering including strutting, propping etc. and removal of form work for				
4.3.1	Foundations, footings, bases for columns	Sqm	1010	284.85	2,87,779.97
4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	Sqm	499	347.90	1,73,528.69
4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	505	110.00	55,565.73
4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand (zone-III) derived from natural sources: 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	2988	614.05	18,35,087.20
	Total of sub-head (2.0)			11798170.16	1,24,94,262.20
_					, , ,
5	Reinforced Cement Concrete				
5.9					
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	4857	284.85	13,83,395.10
5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	Sqm	1800	609.30	10,96,922.79
5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	9069	693.05	62,85,461.73
5.9.4	Shelves (Cast in situ) Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm Sqm	12806	552.05	3,14,126.30 70,69,528.84
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	7974	733.07	58,45,698.11
5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	273	622.35	1,70,039.71
	Extra for shuttering in circular work(20% of respective centering and	Sqm	25	146.61	3,726.24
5.9.14	shuttering items)				
5.9.14	shuttering items) Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	Sqm	24	284.85	6,938.09
	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window	Sqm	396	284.85	6,938.09
	4.1.10 4.1.10 4.1.10 4.2 4.2.3 4.3 4.3 4.10 4.17 4.17 5.9.2 5.9.3 5.9.4 5.9.5 5.9.6	4.1.10	4.1.10   1.5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources)   4.1.10   #REF!   Cum    4.2   Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunten floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:  4.2.3   1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)    4.3   Centering and shuttering including strutting, propping etc. and removal of form work for :  4.3.1   Foundations, footings, bases for columns   Sqm    4.10   Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 12.5mm nominal size derived from natural sources: 4 graded stone aggregate 12.5mm nominal size derived from natural sources.  4.13   Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.  4.17   Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources: 6 graded stone aggregate 20 mm nominal size derived from natural sources: 9 for sproved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.  5   Reinforced Cement Concrete   Sqm   Total of sub-head (2.0)   Sqm   Sqm	4.1.10 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources: 10 mREF! Cum 137  4.2 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttiesses, string to larging courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:  4.2.3 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)  4.3. Centering and shuttering including strutting, propping etc. and removal of form work for:  4.3.1 Foundations, footings, bases for columns  4.10 Providing and laying damp-proof course 40mm thick with cement concrete 1:24 (1 cement : 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 12.5mm nominal size derived from natural sources: 9  4.13 Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.  4.17 Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources: 6 graded stone aggregate 20 mm nominal size derived from natural sources in thick bed of dry brick ballast 40 mm nominal size derived from natural sources in thick bed of dry brick ballast 40 mm nominal size derived from natural sources in thick bed of dry brick ballast 40 mm nominal size derived from natural sources in thick bed of dry brick ballast 40 mm nominal size derived from natural sources in the structure of the same size derived from natural sources in the same size derived from natural sources in the same size derived from natural sources in the	4.1.10 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources)  4.1.10 #REP! Cum 137 6788.60  4.2 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, poss, struts, buttresses, string or lacing coarses, parapets, coping, bed blocks, anchor blocks, plain window sills, fills, sunker floor et etc., up to floor five level, excluding the cost of centering, shuttering and finishing:  4.2.3 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources: 6 graded stone aggregate 12.5 mm nominal size derived from natural sources: 6 graded stone aggregate 12.5 mm nominal size derived from natural sources: 6 graded stone aggregate 12.5 mm nominal size derived from natural sources: 6 graded stone aggregate 12.5 mm nominal size derived from natural sources: 6 graded stone aggregate 12.5 mm nominal size, well rammed and consolidated and grooted with shall seed of the structure of the structure of the structure of the structure of th

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
2.01.11	5.11					
3.01.11	5.11	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and				
		decentering at all levels, over a height of 3.5 m, for every additional height of				
		1 metre or part thereof (Plan area to be measured).				
	5.11.1	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	Sqm	3425	287.50	9,84,631.73
3.02	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending,				
	5.22.6	placing in position and binding all complete upto plinth level.  Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	272791	83.50	2,27,78,047.41
		Thermo-vicenameany Treated bars of grade Pe-300D of more.	kg	2/2/91	83.30	2,27,78,047.41
3.03	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
	5.22A.5	Hard drawn steel wire fabric	Kg	10641	92.15	9,80,552.67
	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	445803	83.50	3,72,24,550.00
3.04	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C.	Metre	909	58.90	53,517.84
		projections.				
3.05	5.33	Providing and laying in position machine batched and machine mixed design				
		mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to				
		site of laying but excluding the cost of centering, shuttering, finishing and				
		reinforcement, including admixtures in recommended proportions as per IS:				
		9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		(Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less				
	5.33.1	cement used as per design mix is payable/recoverable separately).  All works upto plinth level	Cum	2967	7997.30	2,37,29,943.12
	5.33.2	All works above plinth level upto floor V level.	Cum	3067	9400.85	2,88,31,128.43
3.06	5.34	Extra for providing richer mixes at all floor levels.				
		Note:- Excess/less cement over the specified cement content used is payable /recoverable separately.				
	5.34.1	Providing M-30 grade concrete instead of M-25 grade BMC/ RMC. (Note:-	Cum	231	69.75	16,089.91
3.07	5.35	Cement content considered in M-30 is @ 340 kg/cum)  Add for using extra cement in the items of design mix over and above the	quintal	1936	673.30	13,03,749.30
3.07	3.33	specified cement content therein.	quintai	1930	073.30	13,03,749.30
3.08	5.43	Providing and fixing in position Stainless steel Grade 304 plate-1.0 mm thick				
		as per design for expansion joints.				
	5.43.1	200 mm wide.	Metre	52	711.90	36,941.20
3.09	5.44	Providing and fixing of expansion joint system related with floor location as				
	(Modified)	per drawings and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base members, self aligning / self centering arrangement				
		and support plates etc. as per ASTM B221-02. The system shall be such that it				
		provides floor to floor /floor to wall expansion control system for various				
		vertical localtion in load application areas that accommodates multi directional seismic movement without stress to it's components. System shall consist of				
		metal profiles with a universal aluminum base member designed to				
		accommodate various project conditions and finish floor treatments.				
		The cover plate shall be designed of width and thickness required to satisfy				
		projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self- centering arrangement that freely				
		rotates / moves in all directions. The Self - centering arrangement shall exhibit				
		circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions				
	1	including vertical displacement. Provision of Moisture Barrier Membrane in				
		the Joint System to have watertight joint is mandatory requirement all as per				
		the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer -in-Charge. (Material shall confirm to ASTM 6063).				

	Aanglong in the State of Assam					
S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
3.10	5.45 (Modified)	Providing and fixing of expansion joint system related with wall joint (internal/external) location as per drawings and direction of Engineer-In- Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221- 02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall confirm to ASTM 6063.)				
	5.45.1	Wall Joint of 50 mm gap	Metre	84	4123.10	3,44,942.67
3.11	5.46 (Modified)	Providing and fixing of expansion joint system of approved make and manufactures for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arragement support plates asper ASTM B221-02. The system shall be such that it provides watertight roof to roof/roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of metal profile that incorporates a universal aluminum base member designed to accommodate various project conditions and roof treatments.				
		The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer's preengineered self-centering arrangement that freely rotates / moves in all directions. The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resists damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. (Material shall confirm to ASTM 6063).				
	5.46.1	Roof Joint of 50 mm gap	Metre	18	4658.30	83,863.37
3.12	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				
	19.19.1 19.19.1.1	LD-2.5 Rectangular shape 600x450mm internal dimensions	Each	6	1228.90	7,808.43
3.13	19.32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.				
	19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	8	25278.75	2,14,161.57
		Total of sub-head (3.0)		132072274.4		13,98,64,538.59
4.0	6	Masonry Work				
4.01	6.1	Brick work with common <b>burnt clay</b> F.P.S. (non modular) bricks of class designation 7.5 <b>in foundation</b> and plinth in:				
	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		6157.45	-
4.02	6.1 (Modified)	Brick work with <b>non modular fly ash bricks</b> conforming to IS:12894, class designation 10 average compressive strength <b>in foundation</b> and plinth in:				
	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		6025.25	-

	Aanglong in the State of Assam						
S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)	
	2019						
4.03	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class					
		designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					
		Shapes and Sizes in .					
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		7590.45		
4.04	6.34	Brick work with <b>non modular fly ash bricks</b> conforming to IS:12894, class					
4.04	0.54	designation 10 average compressive strength in super structure above plinth					
		level up to floor V level in :	_				
	6.34.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		7280.70		
4.05	6.45	Half brick masonry with non modular fly ash bricks of class designation 10,					
		conforming IS :12894, in super structure above plinth and upto floor V level.					
	6.45.2	Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm		917.00		
4.06	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm		80.10		
		unit course of half offer masonry.					
		Total of sub-head (4.0)		27584679.1		-	
		· · · · · · · · · · · · · · · · · · ·					
5.0		Stone Work					
5.01	7.1	Random rubble masonry with hard stone in foundation and plinth including					
3.01	,	levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded					
		stone aggregate 20 mm nominal size) upto plinth level with:					
	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		6120.80		
	7.1.1	Cement mortal 1.0 (1 cement . 0 coarse sand)	Cuili		0120.80		
5.02	7.2	Random rubble masonry with hard stone in superstructure above plinth level					
		and upto floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at					
		sindow sills, ceiling level and the like.					
	7.2.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	C		7489.95		
	7.2.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		/489.95		
		Total of sub-head (5.0)				-	
6.0	8	Cladding Work					
6.01	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window					
		sills, facias and similar locations of required size, approved shade, colour and					
		texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse					
		sand), joints treated with white cement, mixed with matching pigment, epoxy					
		touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.					
	8.2.2	Granita of any colour and shade					
6.01.1	8.2.2 8.2.2.1	Granite of any colour and shade Area of slab upto 0.50 sqm	Sqm		4217.35		
6.01.2	8.2.2.2	Area of slab over 0.50 sqm	Sqm		4007.65		
6.02	8.4	Extra for fixing marble /granite stone, over and above corresponding basic	Metre		434.25		
		item, in facia and drops of width upto 150 mm with epoxy resin based					
		adhesive, including cleaning etc. complete.					
6.03	8.5	Extra for providing opening of required size & shape for wash basin/ kitchen	Each		734.55		
		sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including					
		moulding, rubbing and polishing of cut edges etc. complete.					
						<u> </u>	

		Addigiong in the State of				
S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
6.04	8.31	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS:	Sqm		1030.30	_
0.01	0.51	15622 (thickness to be specified by the manufacturer), of approved make, in	Sqiii		1030.30	
		all colours, shades except burgundy, bottle green, black of any size as				
		approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12				
		mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing				
		with grey cement slurry @ 3.3kg per sqm, including pointing in white cement				
		mixed with pigment of matching shade complete.				
		Total of sub-head (6.0)		4004594.8		-
7.0	9	Wood Work & PVC Work	_			
7.01	9.12	Extra for providing frosted glass panes 4 mm thick instead of ordinary float	Sqm	151	214.05	32,415.09
		glass panes 4 mm thick in doors, windows and clerestory window shutters.				
		(Area of opening for glass panes excluding portion inside rebate shall be measured).				
		medsured).				
7.02	9.21	Providing and fixing ISI marked flush door shutters conforming to IS: 2202				
		(Part I) non-decorative type, core of block board construction with frame of 1st				
		class hard wood and well matched commercial 3 ply veneering with vertical				
		grains or cross bands and face veneers on both faces of shutters:				
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary	Sqm	463	1886.70	8,73,132.69
		screws				
7.02	0.22	Factor for annuities limited with 2nd above to the world between 25 annuities.	C	472	401.40	1 90 596 94
7.03	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be	Sqm	472	401.40	1,89,586.84
		measured).				
		measured).				
7.04	9.26	Extra for cutting rebate in flush door shutters (Total area of the shutter to be	Sqm	30	93.65	2,776.91
		measured).	•			·
7.05	9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated				
	9.47.2	brackets: 25 mm dia (heavy type)	Metre	1026	162.35	1,66,598.86
	7.17.2	25 mm dia (heavy type)	Wieuc	1020	102.33	1,00,570.00
7.06	9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc.				
		with M.S. flats, square or round bars etc. including priming coat with approved				
		steel primer all complete				
	0.40.4		,	0.40.6	165.00	44.02.505.20
	9.48.1	Fixed to steel windows by welding	kg	8486	165.30	14,02,697.29
7.07	9.24	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush				
		doors (cost of glass excluded) (overall area of door shutter to be measured):				
	9.24.1	Rectangular or square	Sqm	427	173.95	74,237.86
7.00	0.55	Delivation for and association and finite 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
7.08	9.55	Deduction for not providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete:				
	9.55.2	100x58x1.90 mm	Each	2494	-37.30	(93,024.15)
						` ′ ′
7.09	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised				
		(anodic coating not less than grade AC 10 as per IS: 1868), transparent or				
		dyed to required colour or shade, with nuts and screws etc. complete:				
	9.96.1	300x16 mm	Each	11	257.15	2,723.22
	9.96.2	250x16 mm	Each	527	231.70	1,22,194.41
7.10	9.68	Providing and fixing oxidised M.S. casement stays (straight peg type) with		/		-,,-, 1111
		necessary screws etc. complete.				
	9.68.1	300 mm weighing not less than 200 gms	Each	2467	58.80	1,45,087.24
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S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
7.11	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	66	851.60	55,914.35
7.12	9.85	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	Each	2467	75.70	1,86,787.48
7.13	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:				
	9.97.1	300x10 mm	Each	551	116.80	64,319.42
	9.97.4	150x10 mm	Each	445	75.00	33,358.50
7.14	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:				
	9.100.1	125 mm	Each	695	59.65	41,439.09
<b></b>	9.100.2	100 mm	Each	445	52.85	23,506.62
7.15	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.				
	9.101.2	Twin rubber stopper	Each	338	62.05	20,961.79
		Total of sub-head (7.0)		3158369.70		33,44,713.51
8.0	10	Sec. IW. 1				
8.0	10	Steel Work				
8.01	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	Sqm	74	8670.50	6,42,744.17
8.02	10.6	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.				
	10.6.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	Sqm	29	2944.10	84,180.65
		l I				
8.03	10.7	Providing and fixing ball bearing for rolling shutters.	Each	3	419.85	1,333.86
8.03		Providing and fixing ball bearing for rolling shutters.  Extra for providing mechanical device chain and crank operation for operating rolling shutters	Each	3	419.85	1,333.86

8.05 10.11 Providing and fixing factory made ISI marked steel glazed doors, windows and ventitators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash but welded and sash bast renoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).  8.06 10.11.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:36 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)  8.07 (Modified) Common from the concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) in fixing standard steel glazed doors, windows and ventilators in walls. (Rate is below item no. 10.11.1)  8.08 10.13 Providing and fixing T-iron frames for doors of mild steel Tee-sections, joints mitred and welded, including fixing of necessary buth thinges and screws and apolying a priming cost of approved steel primer.  10.13.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.09 10.15 Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary but hinges and screws and apolying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10 10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoistin	Rate (In Rs)	Amount (In Rs)
ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).  8.06 10.11.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:36 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)  8.07 10.11 (Modified)  (Nodified)  8.08 10.13 Providing and fixing T-iron frames for doors, windows and ventilators in walls. (Rate is below item no. 10.11.1)  8.08 10.13 Providing and fixing T-iron frames for doors of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.13.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:36 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.09 10.15 Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3.6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10 10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
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8.07 (Modified)    10.11 (Modified)   Deduct for omitting cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) in fixing standard steel glazed doors, windows and ventilators in walls. (Rate is below item no. 10.11.1)    8.08		
(Modified)  (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) in fixing standard steel glazed doors, windows and ventilators in walls. (Rate is below item no. 10.11.1)  8.08  10.13  Providing and fixing T-iron frames for doors of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.13.1  Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.09  10.15  Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1  Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10  10.16  Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
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mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.13.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.09  10.15 Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10  10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.13.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.09  10.15 Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10  10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.13.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.09 10.15 Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10 10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
10.13.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.09 10.15 Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10 10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.09 10.15 Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10 10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
aggregate 20 mm nominal size).  8.09  10.15  Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1  Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10  10.16  Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.	106.45	10,41,968.47
and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10 10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10 10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
applying a priming coat of approved steel primer.  10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).  8.10 10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
8.10 10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.	137.30	38,15,168.97
8.10 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
special shaped washers etc. complete.		
1 10 16 1 Hot finished welded type tubes		
10.10.1 Intermission wearen type moes Rg 1908/	143.45	28,52,784.56
8.11 10.25 Steel work welded in built up sections/ framed work, including cutting,		
hoisting, fixing in position and applying a priming coat of approved steel		
primer using structural steel etc. as required.  10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works kg 3879	131.00	5,08,164.33
ag July	131.00	
10.25.2 #REF! kg 106	93.65	9,917.54
8.12 10.26 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying		
priming coat of approved steel primer.		
10.26.1 M.S. tube kg 1333	145.65	1,94,192.38

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019	****		<b>Q</b> ,		
			·			
8.13	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and	kg	2937	575.45	16,89,870.50
		making curvature (wherever required) and fitting the same with necessary				
		stainless steel nuts and bolts complete, i/c fixing the railing with necessary				
		accessories & stainless steel dash fasteners , stainless steel bolts etc., of				
		required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only				
		weight of stainless steel members shall be considered excluding fixing				
		accessories such as nuts, bolts, fasteners etc.).				
8.14	10.29	Providing & fixing fly proof wire gauze to windows, clerestory windows &				
	10.20.2	doors with M.S. Flat 15x3 mm and nuts & bolts complete.		502	020.55	5 51 260 22
	10.29.2	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	Sqm	593	929.55	5,51,260.33
		on com sides				
8.15	10.30	Providing & fixing glass panes with putty and glazing clips in steel doors,				
	10.30.1	windows, clerestory windows, all complete with: 4.0 mm thick glass panes	Sqm	1201	900.55	10,81,475.90
	10.50.1	4.0 mm thek glass panes	Sqiii	1201	900.33	10,81,473.90
		Total of sub-head (8.0)		13286068.85		1,40,69,946.91
9.0	11	Floring				
9.01	11.3	Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone				
		aggregate) finished with a floating coat of neat cement, including cement				
		slurry, but excluding the cost of nosing of steps etc. complete.				
9.02	11.3.1 11.5	40 mm thick with 20 mm nominal size stone aggregate #REF!	Sqm	73	498.35	36,414.93
7.02	11.5	TICH.	Sqm	1394	854.30	11,90,590.07
9.03	11.8	#REF!	Sqm	1288	63.20	81,385.42
9.04	11.13	Providing and fixing glass strips in joints of terrazo/ cement concrete floors.				
7.01	11.13.1	40 mm wide and 4 mm thick	Metre	215	75.15	16,155.52
9.05	11.23	Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement				
		mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry,				
		including rubbing and polishing complete with:				
	11 22 2	Note: Qty. shall be executed in marble strips of width upto 50mm.	C	502	2720.05	12 70 202 20
	11.23.3	Agaria White	Sqm	502	2730.05	13,70,392.28
	11.23.5	Udaipur green marble	Sqm		1991.50	-
0.00	11.00	Water stone slab flooring arrange 20 mm (c. 1811 l. 18				
9.06	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab,				
		including rubbing and polishing complete with base of cement mortar 1:4 (1				
		cement : 4 coarse sand) :				
	11.26.1	25 mm thick.	Sqm	5705	1531.85	87,38,948.43
9.07	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid	Sqm	734	1810.05	13,28,372.16
	,	on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and	1			,,-,2110
		jointed with grey cement slurry mixed with pigment to match the shade of the				
		slabs, including rubbing and polishing complete.				
9.08	11.31	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	Metre	1093	148.10	1,61,856.71
					-	7. 7
						-

S. No.	DSR	Description Perceiption	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
5.110.	2019	Description	O.III.	Quantity	Kate (iii Ks)	Amount (m Ks)
9.09	11.40	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS: 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement: 4Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete.	Sqm	1075	1170.70	12,58,367.87
9.10	11.41	Providing and laying full body (Homogeneous) Vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slury @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				
	11.41.2	Size of Tile 600x600 mm	Sqm	1738	1500.55	26,07,684.30
9.11	11.46	Providing and laying full body (Homogeneous) Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.				
	11.46.2	Size of Tile 600x600 mm	Sqm	180	1545.85	2,78,299.38
9.12	23.7	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer -incharge.	Cum	6	1326.55	8,428.90
9.13	16.89	Providing and laying matt finished vitrified tile of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineerin-Charge.	Sqm	391	1264.80	4,94,247.16
9.14	16.90	Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS:15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement: 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	Sqm	70	1933.75	1,35,157.52
		Total of sub-head (9.0)		16719830.65		1,77,06,300.66
10.0	12	Roofing				
10.01	12.21	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
	12.21.1	In 75x75 mm deep chase	Metre	1281	237.25	3,04,009.78

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
10.02	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement	Each	177	244.05	43,160.97
		concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm				
		nominal size) over P.V.C. sheet 1 m x 1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement,				
		rounding the edges and making and finishing the outlet complete.				
10.03	12.47	Providing & fixing UV stabilised fiberglass reinforced plastic sheet				
		roofing up to any pitch, including fixing with polymer coated 'J' or 'L'				
		hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but				
		excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum				
		0.3% ultra-violet stabiliser in resin system under approximately 2400				
		psi and hot cured. They shall be of uniform pigmentation and thickness				
		without air pockets and shall conform to IS 10192 and IS 12866. The				
		sheets shall be opaque or translucent, clear or pigmented, textured or				
		smooth as specified.				
	12.47.2	2 4:104		27	000.25	27.040.01
	12.47.2	2 mm thick flat	Sqm	37	999.35	37,040.91
10.04	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and	Sqm	1580	627.55	9,91,546.57
		pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %)				
		total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and				
		polyester top coat 15-18 microns. Sheet should have protective guard film of				
		25 microns minimum to avoid scratches during transportation and should be				
		supplied in single length upto 12 metre or as desired by Engineer-in-charge.				
		The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/vertical or				
		curved surfaces, excluding the cost of purlins, rafters and trusses and including				
		cutting to size and shape wherever required.				
10.05	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50				
		mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the				
		sheet and polyester top coat 15-18 microns				
		using self drilling/ self tapping screws complete :				
	12.51.2 12.51.4	Flashings/ Aprons.( Upto 600 mm)  Barge board (upto 300 mm)	Metre Metre	66 49	416.30 384.20	27,333.43 18,715.92
	12.51.4	Gutter (600 mm over all girth)	Metre	83	1041.75	86,050.63
		, 6 /		- ~		,

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019			Con the		
10.06	12.52	Providing and fixing tiled false ceiling of specified materials of size 595x595				
		mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side				
		inclusive) consisting of main "T" runner with suitably spaced joints to get				
		required length and of size 24x38 mm made from 0.30 mm thick (minimum)				
		sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main				
		"T" at 600 mm center to center to form a grid of 1200x600 mm and secondary				
		cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to				
		form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying				
		false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings,				
		fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling				
		using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5				
		mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm				
		center to center along main T, bottom exposed width of 24 mm of all T-				
		sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.				
		as per specifications, drawings and as directed by Engineer-in-charge.				
	12.52.2	GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having	Metre	796	1649.15	13,13,330.29
		galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area				
		with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient ) of 0.5,				
		electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a				
		black Glass fiber acoustical fleece.				
		Total of sub-head (10.0)		2821188		28,21,188.50
11.0	13			2821188		28,21,188.50
11.0	13	Total of sub-head (10.0) Finishing		2821188		28,21,188.50
11.0	13.4	Finishing  12 mm cement plaster of mix			2025	
		Finishing	Sqm	2821188	263.55	28,21,188.50 34,89,301.32
	13.4 13.4.2	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix:		13240		34,89,301.32
11.01	13.4 13.4.2	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)	Sqm Sqm		263.55	
11.01	13.4 13.4.2 13.5 13.5.2	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix	Sqm	13240	303.90	34,89,301.32 47,29,936.98
11.01	13.4 13.4.2 13.5 13.5.2	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)		13240		34,89,301.32 47,29,936.98
11.01	13.4 13.4.2 13.5 13.5.2	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix	Sqm	13240	303.90	34,89,301.32 47,29,936.98
11.01	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement: 3 fine sand)	Sqm Sqm	13240 15564 13122	303.90	34,89,301.32 47,29,936.98 29,83,302.39
11.01 11.02 11.03	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement: 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster	Sqm Sqm Sqm	13240 15564 13122 138	303.90 227.35 62.75	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79
11.01 11.02 11.03	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand)	Sqm Sqm Sqm	13240 15564 13122 138	303.90 227.35 62.75	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79
11.01 11.02 11.03	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand)  Extra for providing and mixing water proofing material in cement plaster work	Sqm Sqm Sqm per bag of	13240 15564 13122 138	303.90 227.35 62.75	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79
11.01 11.02 11.03 11.04 11.05	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1 13.18	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand)	Sqm Sqm Sqm sqm per bag of 50kg	13240 15564 13122 138 9260	303.90 227.35 62.75 399.30	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79 36,97,476.47
11.01 11.02 11.03 11.04 11.05	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1 13.18	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand)  Extra for providing and mixing water proofing material in cement plaster work	Sqm Sqm Sqm Sqm Sqm per bag of 50kg cement used in the	13240 15564 13122 138 9260	303.90 227.35 62.75 399.30	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79 36,97,476.47
11.01 11.02 11.03 11.04 11.05	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1 13.18	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand)  Extra for providing and mixing water proofing material in cement plaster work	Sqm Sqm Sqm Sqm or Sqm per bag of 50kg cement	13240 15564 13122 138 9260	303.90 227.35 62.75 399.30	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79 36,97,476.47
11.01 11.02 11.03 11.04 11.05	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1 13.18	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement: 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement: 6 fine sand)  Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	Sqm Sqm Sqm Sqm per bag of 50kg cement used in the mix	13240 15564 13122 138 9260	303.90 227.35 62.75 399.30	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79 36,97,476.47
11.01 11.02 11.03 11.04 11.05	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1 13.18 13.11	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement: 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement: 6 fine sand)  Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	Sqm Sqm Sqm Sqm sqm sqm used in the mix	13240 15564 13122 138 9260	303.90 227.35 62.75 399.30	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79 36,97,476.47
11.01 11.02 11.03 11.04 11.05	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1 13.18 13.11 13.21	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement: 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement: 6 fine sand)  Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.  Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.  White washing with lime to give an even shade:	Sqm	13240 15564 13122 138 9260 1290	303.90 227.35 62.75 399.30 59.75	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79 36,97,476.47 77,069.25
11.01 11.02 11.03 11.04 11.05 11.06	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1 13.18 13.11	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement: 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement: 6 fine sand)  Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.  Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm Sqm Sqm Sqm sqm sqm used in the mix	13240 15564 13122 138 9260	303.90 227.35 62.75 399.30	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79 36,97,476.47
11.01 11.02 11.03 11.04 11.05 11.06	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1 13.18 13.11 13.21	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement: 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement: 6 fine sand)  Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.  Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.  White washing with lime to give an even shade: New work (three or more coats)  Distempering with 1st quality acrylic distemper (ready mixed) having VOC	Sqm	13240 15564 13122 138 9260 1290	303.90 227.35 62.75 399.30 59.75	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79 36,97,476.47 77,069.25
11.01 11.02 11.03 11.04 11.05 11.06	13.4 13.4.2 13.5 13.5.2 13.16 13.16.1 13.18 13.11 13.21 13.21	Finishing  12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)  15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)  6 mm cement plaster of mix 1:3 (1 cement: 3 fine sand)  Neat cement punning  18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement: 6 fine sand)  Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.  Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.  White washing with lime to give an even shade: New work (three or more coats)	Sqm	13240 15564 13122 138 9260 1290	303.90 227.35 62.75 399.30 59.75	34,89,301.32 47,29,936.98 29,83,302.39 8,638.79 36,97,476.47 77,069.25

		SCHEDULE OF QUANTI	ΓIES			
Nan	ne of worl	k: Construction of Eklavya Model Residential School Aanglong in the State of		at Block - D	onka, District	- West Karbi
S. No.	DSR	Description Aangiong in the State of	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019				, ,,	

		Aanglong in the State of	of Assam			
S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
11.10	13.43	Applying one coat of water thinnable cement primer of approved brand and				
	13.43.1	manufacture on wall surface : Water thinnable cement primer	Sqm	40711	60.00	24,42,668.22
11.11	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone				
	13.47.1	additives of required shade:  New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including	Sqm	16375	161.15	26,38,882.33
		priming coat of exterior primer applied @ 2.20 kg/10 sqm)				
11.12	13.50	Applying priming coat:				
	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	593	50.70	30,067.13
11.13	13.50	#REF!				
	13.52.2	#REF!	Sqm	2646	189.40	5,01,235.93
11.14	13.61	Painting with synthetic enamel paint of approved brand and manufacture to	•			
	13.61.1	give an even shade : Two or more coats on new work	Sqm	4291	121.55	5,21,579.32
11.15	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	1341	115.15	1,54,380.91
		Total of sub-head (11.0)		24954542		2,49,54,542.07
12.0	21	Aluminium Work				2,13,61,612107
12.01	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free,straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):				
	21.1.1	For Fixed Portion  Powder coated aluminium (minimum thickness of powder coating 50 micron)	,	102	456.22	07.022.06
12.02	21.1.1.2 21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)	kg	193	456.23	87,932.86
	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	207	546.35	1,12,824.01
12.03	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
	21.3.1	With float glass panes of 4.00 mm thickness	Sqm	23	546.35	12,728.86
	21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	Sqm	4	1296.40	5,491.55
	21.3.3	With float glass panes of 8 mm thickness (weight not less than 20 kg/ sqm)	Sqm	8	1462.35	12,389.03

thickness    12.05   21.13   Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.    12.06   21.16   Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-incharge   21.16.2   Powder coated minimum thickness 50 micron aluminium   Each   13   83.60   1,062      13.0   22   Water Proofing     235330   2,49,214     13.0   22   Water Proofing	S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
and manufacture conforming to IS: 6315, having brand logo embossed on the body / pale with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece NA, sheet outer box with slide plate etc. complete an port the direction of Financier-harder.  21.4.1 With statisticss steel cover plate minimum 1.25 mm  Each 6 2412.50 11,325 thickness without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.  12.05 21.16 Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.  12.06 21.16 Providing and fixing aluminium round shape handle of outer dia 100 mm with SS sereuse etc. complete as per direction of Enginee-inchange  21.16.2 Provider coated minimum thickness 50 micron aluminium  Total of sub-head (12.0) 235330 2,492.14  13.01 22.3 Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:  (i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to 1S 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.  (ii) Ilind course of 20 mm cement plaster 1:3 (I cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) Ilind course of 20 mm cement plaster 1:3 (I cement : 3 coarse sand) mixed with water proofing compound on recommended proportion including rounding off junction of vertical and horizontal surface.  (iv) I'vith course of 400 micron thick PVC sheet. (Overlaps at joints of PVC kg (1) Ilind course of 400 micron thick PVC sheet. (Overlaps							
thickness  12.05   21.13   Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for adaminium doors including necessary cutting and making good etc. complete.  12.06   21.16   Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-incharge   21.16.2   Providing and fixing aluminium fluckness 50 micron aluminium   Each   13   83.60   1.062    13.01   22   Water Proofing   22.33   Water Proofing   22.33330   22.49.214    13.01   22.3   Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:    (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to 18 2.645 in recommended proportions including rounding off junction of vertical and horizontal surface.  (ii) Ilind course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) Ilind course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  13.02   22.4   Providing and Placing in position suitable PVC water stops conforming to 18:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:	12.04	21.4	and manufacture conforming to IS: 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc.				
without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.    12.06		21.4.1	•	Each	6	2412.50	15,329.03
SS screws etc. complete as per direction of Engineer-incharge  21.16.2 Powder coated minimum thickness 50 micron aluminium  Each 13 83.60 1,062  Total of sub-head (12.0) 235330 2,49,214  13.0 22 Water Proofing  (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.  (ii) Ilnd course of applying cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) Ilnd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) Ilnd course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  Sqm 1333 705.70 9,40,896  13.02 22.4 Providing and Placing in position suitable PVC water stops conforming to IS 12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:	12.05	21.13	without pair of handles (best make of approved quality) for aluminium doors	Each	3	458.55	1,456.81
21.16.2 Powder coated minimum thickness 50 micron aluminium  Total of sub-head (12.0)  235330  24.99,214  235330  22.99,214  23.01  22.3 Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:  (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.  (ii) Ilnd course of 20 mm cement plaster 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) Illrd course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  22.4 Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:	12.06	21.16					
13.01 22.3 Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:  (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.  (ii) Ilnd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) Illrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.  (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  Sqm 1333 705.70 9,40,896  13.02 22.4 Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:		21.16.2		Each	13	83.60	1,062.39
13.01 22.3 Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:  (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.  (ii) Ilnd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) Illrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.  (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  Sqm 1333 705.70 9,40,896  13.02 22.4 Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:			T. (1) (2) 1 had (2) (2)		22.5220		2 40 214 52
13.01 22.3 Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:  (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.  (ii) Ilnd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) Illrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.  (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  Sqm 1333 705.70 9,40,896 sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).			Total of Sub-nead (12.0)		233330		2,49,214.55
surfaces of depressed portions of W.C., kitchen and the like consisting of:  (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.  (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.  (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  Sqm 1333 705.70 9,40,896  13.02 22.4 Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:	13.0	22	Water Proofing				
proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.  (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.  (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  Sqm 1333 705.70 9,40,896 per sqm of area.  13.02 22.4 Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:	13.01	22.3					
with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.  (iii) Illrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.  (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  Sqm 1333 705.70 9,40,896 1.302 22.4 Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:			proofing compound conforming to IS 2645 in recommended proportions				
per sqm of area.  (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  Sqm 1333 705.70 9,40,896 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.30			with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.				
(iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).  Sqm 1333 705.70 9,40,896 1.7 kg/sqm).  13.02 22.4 Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:							
IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:			sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7	Sqm	1333	705.70	9,40,896.40
	13.02	22.4	IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc.				
		22.4.1		Sqm		283.20	

S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
12.02	22.7	Design of Lands in the Lands of				
13.02	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations:				
		a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.				
		b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				
		c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineerin-charge.				
		d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineerin-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.				
		e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. "All above operations to be done in order and as directed and specified by the Engineer-in-Charge:				
	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	Sqm	2893	1398.50	40,46,123.42
13.03	Derived 12.20 & 22.7	Deduct for providing and laying pressed clay tiles (as per approved pattern 20mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete instead of part (d) of water proofing item at 22.7	Sqm	2893	-111.80	(3,23,458.42)

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
13.03	22.23	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the				-
		basement, water tanks, roof slabs, podiums, reservior, sewage & water				
		treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical				
		surfaces and 3: 1 (3 parts integral crystalline slurry: 1 part water) for				
		horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as				
		specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by				
		more than 90% compared with control concrete as per DIN 1048 and resistant				
		to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be				
		carried out all complete as per specification and the direction of the engineer-				
		in-charge. The product performance shall carry guarantee for 10 years against any leakage.				
	22.23.1 22.23.2	For vertical surface two coats @ 0.70 kg per sqm For horizontal surface one coat @1.10 kg per sqm.	Sqm Sqm	803 359	484.45 373.40	3,88,878.67 1,34,050.97
	22.23.2		Sqiii		373.40	
		Total of sub-head (13.0)		4897536		51,86,491.05
14.0	16	Road Work				
14.01	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12	Sqm	15913	156.75	24,94,289.70
		tonne capacity after excavating earth to an average of 22.5 cm depth, dressing				
		to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with				
		all lead and lift.				
14.02	16.7	#REF!	mtr	1097	167.80	1,84,097.41
14.03	16.7	#REF!	sqm	1800	19.90	35,825.97
14.04	16.11	Dry stone pitching 22.5 cm thick including supply of stones and preparing	Sqm	3902	730.20	28,49,543.43
		surface complete	•			
14.05	16.11	Deduct for using available stone of size 15 cm x 22.5 cm for dry stone	Sqm	3902	-242.95	(9,48,091.72)
11.05	(Modified)	pitching. (Rate is below relevant item)	Sqiii	3702	2 12.75	(5,10,051.72)
14.06	16.53	Providing and fixing concertina coil fencing with punched tape concertina coil	Metre	1462	290.80	4,25,288.89
		600 mm dia 10 metre openable length (total length 90 m), having 50 nos				, , , , , , , , , , , , , , , , , , , ,
		rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced				
		barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal,				
		including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineerin-charge, with reinforced barbed tape(R.B.T.) /				
		Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with				
		tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)				
		blocks shall be paid separately)				
14.07	16.19	Supplying at site Angle iron post & strut of required size including bottom to	kg	4436	92.40	4,09,900.35
		be split and bent at right angle in opposite direction for 10 cm length and	9			,,
		drilling holes upto 10 mm dia. etc. complete.				

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
14.08	16.62	Providing and applying 2.5 mm thick road marking strips (retro- reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.	Sqm	157	607.30	95,183.34
14.09	16.66	#REF!				
	16.66.1	#REF!	each	17	26.45	448.17
14.10	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	424	859.35	3,64,020.66
14.11	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	76	8376.15	6,38,664.69
14.12	16.75	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).	Cum	274	8663.05	23,76,110.02
14.13	16.76	Deduct for using of M-20 grade concrete instead of M-25 grade concrete in C.C. pavement.	Cum	-274	188.30	(51,647.11)
14.14	16.3	Supplying and stacking at site.				
	16.3.2	63 mm to 45 mm size stone aggregate	Cum	317	1535.65	4,86,249.75
14.15	16.3.3	53 mm to 22.4 mm size stone aggregate	Cum	317	1749.75	5,54,042.59
14.16	16.3.10	Moorum	Cum	384	807.80	3,10,532.05
			Corre			
14.17	16.3.9	Good Earth	Cum	2067	483.90	10,00,024.33
14.18	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	Cum	777	767.25	5,96,388.03
		Total of sub-head (14.0)		11820871		1,18,20,870.56
						,,,,
15.00		Non-Schedule Items - Civil				
15.01	MR 1	Supply and Installation of single bucket dustbin made out of SS 202 grade, Capacity of bucket will be 70 ltrs. with weight carrying capacity of 40 kg. Minimum Sheet thickness will be used 0.8 mm. Design shall be approved from Engineer-In-Charge.	Each	5	5084.00	26,919.78

S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
15.02	MR 2	Supplying, installation and fixing Galvanized iron High mast pole for National flags of height 6 meter. Pole shall be conical in shape of bottom & Top diameter- 20mm, Thickness - 1.0mm including holes and other accessories. Diameter of the base shall be 110mm and thickness of base plate shall be minimum 2mm. The rate shall be inclusive of National flag of required size as per IS code with hoisting arrangments and including mounted base, base plate and all other accessories.	Each	1	70242.00	74,386.28
16.03	MR 3	Providing and fixing of Outdoor signages of varying sizes and shapes using stainless steel (Grade 304) sheet of minimum 16G thickness brush finish 3 dimensional letters of required size filled with colour as desired by engineer, fixing with SS screws on walls, all completed as per manufacturer's specifications and direction of Engineer-incharge.	Sqm	10	22399.00	2,13,484.87
16.04	MR 4	Providing signage viz display/name plate and like of required size made out of 20 guage thick stainless steel (304 grade) including engraved subject matter, message (Hindi/English and / or bilingual), symbols, borders and logo etc. The engraved letter, borders etc. to be furnished with paint etc. of required colour scheme and the plate to be fixed to wooden/wall surface with 25mm long stainless steel spacer/stud all complete as per direction of Engineer in Charge.	Sq. inch	3971	9.00	35,741.25
16.05	MR 5	Providing and fixing Glass Reinforced Concrete Screens shall be made with frame of thickness 50mm and perforated designer screen element within thickness of 30mm as per approved design. The GRC screens shall be casted with a layering technique using power spray methodology and have minimum weight 3.5 kg per Sq.ft. The screens should be made from 53 grade white portland cement, fine graded quartz, silica sand and alkali resistant glass fibre. Super plasticizers and UV resistant synthetic inorganic pigments should be used for pigmentation. The material casting should take place in FRP moulds. The GRC screens' flexural strength Limit of Proportionality should be atleast 6 N/mm2 & Modulus of Rupture should be atleast 15 N/mm2 for tests done on 28 days cured samples. The fixing of panels should be 'Dry fixing' i.e., should be done with MS galvanized clamps, fixtures, screws and fasteners. All work, design, pattern and colour should be approved from Engineer-in-charge.	Sqm	170	4035.00	6,87,963.47
16.06	MR 6	Providing and fixing 35mm thick factory made Machine pressed pre-laminated flush door exterior grade with SS Butt Hinges along with teak wood lipping on edges. The lamination sheet used shall be decorative high pressure of plain/ wood grain in gloss/ matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS: 2046 Type S.	Sqm	566	3150.00	17,81,343.90
16.07	MR 7	Providing and laying cement concrete brick wall cladding (size and thickness to be specified by the manufacturer), water absorption 3% to 6% conforming to IS: 1237:2001, of approved brand & manufacturer, in brick colours and shade as approved by the architect, on walls laid with cement based high polymer modified quick set tileadhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints of 3mm wide using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.	Sqm	572	1639.00	9,37,278.54
16.08	MR 8	Graffiti painting on wall as approved logo of Eklavya (EMRS) by high gloss acrylic colour before making logo, prepare the surface clean, fill POP in voids, apply 1mm white birla putty and primer including material, labour and T&P etc. all complete under instruction of engineer-in-charge.	Sqm	51	650.00	33,040.80
	MR-9	Basket ball- Board & Basket	one set	2	20000.00	42,360.00

		Aanglong in the State of	Assam			
S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
						-
	MR-10	Archry-Start stands	each	4	5000.00	21,180.00
	MR-11	Archery-Targets	each	4	5000.00	21,180.00
			cacii		2000.00	-
	MR-12	Archery-set of bows & Arrow	each	11	7000.00	74,130.00
	MR-13	Volley ball nets	each	2	5000.00	10,590.00
		Total of sub-head (15.0) (Non DSR)		1573064		39,59,598.88
		PLUMBING WORKS				
16.0		Sanitary Installation (As per D.S.R.)				
16.01	8.10	Providing & fixing stone slab table rubbed, edges rounded and polished of size 75 X 50 cm deep and 1.8 cm thick fixed in urinal patitions by cutting a chase				
		of appropriate width with chase cutter and embedding the stone in chase with				
		epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) as per Engineer-in-charge and				
	8.10.2	finished smooth Granite Stone of approved shade	cam	10	3216.90	30,660.27
			sqm	10	3210.90	50,000.27
16.02	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with CI brackets and stainless steel waste with plug 40mm including				-
		painting of fittings and brackets, cutting and making good the walls wherever				
	17.10.2	required. Sink without drain board				_
	17.10.2.2	610X460 mm bowl depth 200mm.	Each	14	2828.75	38,943.40
16.03	17.11	Providing and fixing white vitreous china <b>laboratory sink</b> with C.I. brackets,				-
		C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P.				
		brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required:				
	17.11.2	Size 600x450x200 mm	Dl-	13	5460.45	69,391.40
	17.11.2	SIZE 000X430X200 mm	Each	13	3460.43	69,391.40
16.04	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing				
		cistern, including flush pipe, with manually controlled device (handle lever),				
		conforming to IS: 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	18	5260.95	94,712.88
16.05	17.16A	Providing and fixing 8 mm dia C.P./S.S. Jet with flexible tube upto 1 metre	Each	18	297.55	5,356.79
		long with S.S. triangular plate to Eureopean type W.C. of quality and make as approved by Engineer - in-charge				
16.06	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.				
10.00	17.70.1	Bottle trap 31mm single piece moulded with height of 270 mm, effective	Each	101	335.25	33,727.83
		length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms.				
						-
16.07	17.5	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern with fittings,				-
		standard size C.P. brass flush pipe, spreaders with unions and clamps (all in				
		C.P. brass) with waste fitting as per IS: 2556, C.I. trap with outlet grating and other couplings in C.P. brass,				
		including painting of fittings and cutting and making good the walls				
		and floors wherever required :				
	17.5.1	Single half stall urinal with 5 litre P.V.C. automatic flushing	Each	13	9360.60	1,18,954.50
		cistern		-		-,,

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
	17.5.2	Range of two half stall urinals with 5 litre P.V.C. automatic	Each	17	14020.75	2,37,567.59
	17.3.2	flushing cistern	Lacii	17	14020.75	2,57,507.57
	17.5.3	Range of three half stall urinals with 10 litre P.V.C.	Each		17307.55	-
		automatic flushing cistern				
16.08	17.72	Providing & fixing PTMT towel ring trapezoidal shape 215 mm long 200 mm	Each	76	228.20	17,399.79
		wide with minimum distance of 37 mm from wall face with concealed fittings				
		arrangement of approved quality and colour weighing not less than 88 gms				
15.00	40.54					-
16.09	18.54 18.54.1	Providing and fixing PTMT bib cock of approved quality and colour.  15mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	104	116.55	12,095.79
	18.54.3	15 mm nominal bore, 165 mm long, weighing not less than 110 gms	Each	146	176.75	25,830.60
						-
16.10	18.52 18.52.1	Providing and fixing PTMT stop cock of approved quality and colour.  Concealed stop cock, 15 mm nominal bore, 108 mm long, weighing not less	Each	148	606.25	89,882.63
	10.52.1	than 108 gms (For Shower)	Lacii	140	000.23	69,662.03
16.11	18.63	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing	Each	419	155.35	65,148.20
		not less than 85 gms				
16.12	17.7B	Providing and fixing wash basin with C.I. brackets, 15 mm PTMT pillar cock,	Each	68	2398.70	1,62,574.29
		32 mm PTMT waste coupling of standard pattern, including painting of fittings				
		and brackets, cutting and making good the walls wherever required. White				
		Vitreous China Flat back wash basin size 550x400 mm with single 15 mm PTMT pillar cock				
		1 1M1 pind cock				
						-
16.13	17.28	Providing & fixing PVC waste pipe for sink including PVC waste fitting Complete				-
	17.28.2	Flexible Pipe				
	17.28.2.1	32mm Dia	Each	162	101.10	16,380.93
16.14	17.24	D '1' 10'' ' 111				
16.14	17.34 17.34.1	Providing and fixing toilet paper holder :  C.P. brass	Each	18	538.75	9,699.12
	17.51.1	C.F. Ottas	Lucii	10	330.73	7,077.12
16.15	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions				-
	18.21.2 18.21.2.1	45 cm length 15 mm nominal bore	FL	381	83.00	31,642.92
	18.21.2.1	13 mm nominal bore	Each	381	83.00	31,042.92
16.16	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with				-
		100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing				
		cistern, including flush pipe, with manually controlled device (handle lever) IS				
		: 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580 x 440 mm with	Each	90	5421.50	4,88,016.32
		integral type foot rests				
16.17	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm,	Each	101	130.50	13,128.95
10.17	10.03	breadth 102mm, height of 75mm with concealed fitting arrangements,	Lacii	101	150.50	13,126.73
		weighing not less than 106 gms.				
16.10	17.71	D 'I' 16' DTMTI' 'I (' 100 'I 125 I'I	F 1	06	150.55	15 270 20
16.18	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same	Each	96	158.55	15,279.30
		materials with snap fittings of approved quality and colour, weighing not less				
		than 105 gms.				
16.19	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden				
10.17	17.73	cleats with CP brass screws with concealed fittings arrangement of approved				-
		quality and colour.				
	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and	Each	89	595.50	52,973.30
		effective height of 88 mm, weighing not less than 190 gms.				
16.20	17.69	Providing and fixing PTMT Waste Coupling for wash basin and sink, of				
		approved quality and colour.				
	I					
	17.69.1	Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not	Each		99.75	

S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	201)					
16.21	18.56	Providing and fixing PTMT pillar cock of approved quality and colour.				
	18.56.1	15 mm nominal bore, 107 mm long, weighing not less than 110 gms	Each		192.65	-
16.20	18.22	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet:	Each	74	151.90	11,260.35
10.20	18.22.1	100 mm diameter	Lacii	/	131.90	11,200.55
		Sanitary Installations work (Non-Scheduled Items)				
.						
16.22	MR 8	Providing and fixing U-shaped stainless steel grab bar (for differntly abled	Each	5	5700.00	30,181.50
		person) of size 600mm wall mounted, movable (horizontally and vertically)				
		with necessary dash fastener etc. all complete. (Basic rate of material shall not be less than Rs.3900 each)				
		be less than Rs. 3700 cach)				
16.22	MDO	D :1: 16: 0 16! 11: 6: 560 450 :10T	Г 1	22	4965.00	1.50.712.00
16.23	MR 9	Providing and fixing <b>Oval Shape wash basin</b> of size 560x450mm with C.I. brackets/rag bolt of required size, 15 mm PTMT pillar taps long neck with	Each	33	4865.00	1,59,713.09
		aerator, 32 mm PTMT waste coupling of standard pattern, including painting				
		of fittings and brackets, cutting and making good the walls wherever require				
		complete as per direction of Engineer in Charge				
16.24	MR 10	Providing and fixing 600 x 450 mm beveled edge mirror of superior glass (of	Each	108	849.59	91,771.01
		approved quality) fixed with stainless steel studs, complete with cutting,				
		making holes, studs, all fittings, screws, washers and making good the walls.				
16.25	MR 11	Providing & fixing stainless steel robe plate/pegs (hook) having three pegs	Each	161	281.00	45,232.01
10.23	WHC 11	(hook) in one strip (weight shall not be less than 120 grams) of superior quality	Lucii	101	201.00	13,232.01
		with necessary scres etc. complete.				
		Total of sub-head (16.0) (DSR)				16,40,627.16
		Total of sub-head (16.0) (DSR) Total of sub-head (16.0) (Non DSR)				16,40,627.16 3,26,897.61
17.0		Total of sub-head (16.0) (Non DSR)				
17.0						
17.0	18.58	Total of sub-head (16.0) (Non DSR)  Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour				
	18.58.1	Total of sub-head (16.0) (Non DSR)  Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type		40	27.00	3,26,897.61
		Total of sub-head (16.0) (Non DSR)  Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour	Each	78	37.90	
	18.58.1	Total of sub-head (16.0) (Non DSR)  Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type	Each Each	78	37.90 51.25	3,26,897.61
17.01	18.58.1.1 18.58.1.1 18.58.1.2	Total of sub-head (16.0) (Non DSR)  Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.				3,26,897.61 2,970.07
	18.58.1 18.58.1.1	Total of sub-head (16.0) (Non DSR)  Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes				3,26,897.61 2,970.07
17.01	18.58.1.1 18.58.1.1 18.58.1.2	Total of sub-head (16.0) (Non DSR)  Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Type A included jointing with seal ring conforning to				3,26,897.61 2,970.07
17.01	18.58.1.1 18.58.1.1 18.58.1.2	Total of sub-head (16.0) (Non DSR)  Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes				3,26,897.61 2,970.07
17.01	18.58.1.1 18.58.1.1 18.58.1.2	Total of sub-head (16.0) (Non DSR)  Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Type A included jointing with seal ring conforning to				3,26,897.61 2,970.07
17.01	18.58.1 18.58.1.1 18.58.1.2 12.41	Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Type A included jointing with seal ring conforning to IS:5382 leaving 10 mm gap for thermal expansion. (i)Single socketed pipes.	Each	21	51.25	2,970.07 1,085.48
17.01	18.58.1.1 18.58.1.1 18.58.1.2	Total of sub-head (16.0) (Non DSR)  Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Type A included jointing with seal ring conforning to				3,26,897.61 2,970.07
17.01	18.58.1.1 18.58.1.2 18.58.1.2 12.41	Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Type A included jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion. (i)Single socketed pipes.	Each	21	51.25	2,970.07 1,085.48
17.01	18.58.1 18.58.1.1 18.58.1.2 12.41	Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Type A included jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion. (i)Single socketed pipes.  110 mm diameter  Providing, fixing on wall face unplasticised - PVC moulded fittings	Each	21	51.25	2,970.07 1,085.48
17.01	18.58.1.1 18.58.1.2 18.58.1.2 12.41	Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Type A included jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion. (i)Single socketed pipes.	Each	21	51.25	2,970.07 1,085.48
17.01	18.58.1.1 18.58.1.2 12.41 12.41.2	Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Type A included jointing with seal ring conforning to IS:5382 leaving 10 mm gap for thermal expansion. (i)Single socketed pipes.  110 mm diameter  Providing, fixing on wall face unplasticised - PVC moulded fittings /accessories for unplasticised - Rigid PVC rain water pipes conforming to IS; 13592 Type A including jointing with seal ring conforming to IS; 13592 Type A including jointing with seal ring conforming to IS; 5382 leaving 10 mm gap for thermal expansion.	Each	1124	305.05	2,970.07 1,085.48 3,42,753.87
17.01	18.58.1.1 18.58.1.2 18.58.1.2 12.41 12.41.2 12.42.	Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Type A included jointing with seal ring conforning to IS:5382 leaving 10 mm gap for thermal expansion. (i)Single socketed pipes.  110 mm diameter  Providing, fixing on wall face unplasticised - PVC moulded fittings /accessories for unplasticised - Rigid PVC rain water pipes conforming to IS; 13592 Type A including jointing with seal ring conforming to IS; 5382 leaving 10 mm gap for thermal expansion.  Coupler -110 mm diameter	Each  Metre  Each	1124	305.05	2,970.07 1,085.48 3,42,753.87
17.01	18.58.1.1 18.58.1.2 12.41 12.41.2	Internal Drainage Installations (As per D.S.R.)  Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia  125 mm nominal dia with 25mm waste hole.  Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Type A included jointing with seal ring conforning to IS:5382 leaving 10 mm gap for thermal expansion. (i)Single socketed pipes.  110 mm diameter  Providing, fixing on wall face unplasticised - PVC moulded fittings /accessories for unplasticised - Rigid PVC rain water pipes conforming to IS; 13592 Type A including jointing with seal ring conforming to IS; 13592 Type A including jointing with seal ring conforming to IS; 5382 leaving 10 mm gap for thermal expansion.	Each	1124	305.05	2,970.07 1,085.48 3,42,753.87

S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2017					
	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm 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.				
	12.43.2	110mm	Each	678	288.80	1,95,737.09
17.04	MR 11	Providing, fixing, jointing and testing in position of ISI marked UV stabilized uPVC pipes for soil, waste, and vent, Type-B as per IS: 13592 suitable for rubber ring joints, including all neccessary specials and fittings (confirming to IS:14735) i.e. bends, tees, junctions (with or without doors), reducers, WC connectors, couplers, expansion joints / bellows, cowels, clamps, rubber rings, clean outs etc. fixing at wall/ ceiling/ floor level supported by clamp & hangers etc. in concealed / inside duct / under floor & basement ceiling / external work etc. including chase cutting as required, excavation and back filling in all kind of soils, suspended from floor under false ceiling or embedding the pipes laid under floors / building in 75 mm. alround 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including cost of shuttering for proper completion of the work, breaking and making good the walls and floors etc. after pipes have been duly laid and tested. The rubber ring shall confirm to IS:5382. The Pipes will be supported with threaded G I rods & U clamps with nuts, washers etc on 50x50x5 mm slotted angle. The cost will include all support arrangements. The work includes commissioning of all pipes lines as per drawings and specifications and as directed by engg-incharge at site.				
		110 mm dia (Wall Thickness - 3.2 to 3.8 mm)	Matura	699	536.00	3,74,631.84
		75 mm dia (Wall Thickness - 3.2 to 3.8 mm)	Metre Metre	201	416.00	83,703.36
17.05	MR 12	Providing and fixing UPVC, P or S trap of self cleaning design with / without vent arm setting in cement concrete 1:2:4 mix complete including cost of cutting & making good the wall and floors wherever required.				
		110 mm inlet & 110 mm outlet	Each	5	225.00	1,191.38
17.06	MR 13	Providing and fixing uPVC inlet fitting (Hopper) maximum with 2 or 3 inlets of 40 to 63 mm OD size fabricated from 110 OD uPVC pipe fixed to uPVC trap jointing with solvent cement joint and set in a cement concrete 1:2:4 mix complete including cost of cutting and making good the walls and floors wherever required.	Each	196	334.50	65,533.57
17.07	MR 14	Providing and fixing uPVC floor drain with uPVC reducing elbow including all fitting and accessories fixed in cement mortar complete in all respect.				
		110 mm OD x 63 mm OD	Each	100	175.00	17,420.55
17.08	MR 15	Providing and fixing of uPVC Waste pipes 6 kg/cm2 (IS: 4985:2000) including with all fittings e.g. couplings, tees, bends, reducers and screwed adoptors jointing with solvent cement as per Manufacturer's specifications complete including cutting holes or chases in wall and making good the same				
		wherever required. (Waste pipe from fixtures). 40 mm OD	Metre	159	268.00	42,571.80

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
511.01	2019	2 SALIPANI	0	Quantity	Tente (III Its)	Timount (in 16)
17.09	MR 16	Providing, fixing, testing and commissioning of uPVC cleanout plug				
		conforming to IS:14735 – 1999 complete with all fitting, accessories and civil works.				
		110 mm dia	Each	100	177.15	17,634.57
		Total of sub-head (17.0) (DSR)				5,83,732.18
		Total of sub-head (17.0) (Non DSR)				6,02,687.07
10.0		W. C. I.I. ( B.C. (A. BCB)				
18.0		Water Supply Installations (As per D.S.R.)				
18.01	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes having				
		thermal stability for hot and cold water supply including all CPVC plain and				
		brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. this includes jointing of pipes and fittings with one step CPVC solvent cement				
		and testing of joints complete as per direction of engineer in charge.				
		Internal work -Exposed on Wall				
18.02.1	18.7.3	25 mm nominal dia pipes	Metre	349	369.20	1,29,024.32
18.02.2	18.7.4	32 mm nominal dia pipes	Metre	265	480.55	1,27,225.61
18.02.3 18.02.4	18.7.5 18.7.6	40 mm nominal dia pipes 50 mm nominal dia pipes	Metre Metre	85 58	648.60 903.50	54,949.39 52,624.36
10.02	101710	30 mm nominar dia pipes	Medic	30	705.50	32,021.30
18.02	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes having the				
		thermal stability for hot and cold water supply including all CPVC plain and				
		brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. this includes jointing of pipes and fittings with one step CPVC solvent cement				
		and the cost of cutting chases and making good the wall same including testing				
		of joints complete as per the direction of engineer incharge				
18.02.1	18.8.2	Concealed work including cutting chases and making good the wall etc.  20 mm nominal dia pipes	Metre	861	478.15	4,11,671.37
10.02.1	10.0.2	20 mm nominar dia pipes	Wictic	801	478.13	4,11,0/1.5/
18.03	18.10	Providing and fixing G.I. pipes complete with GI fittings and clamps including				
		cutting and making good the walls etc. (internal work)				
18.03.1	18.10.3	Internal work - Exposed on wall 25 mm dia, nominal bore	Matura	126	428.00	55 107 20
18.03.1	18.10.4	32 mm dia, nominal bore	Metre Metre	126 190	438.00 529.70	55,197.20 1,00,410.46
18.03.3	18.10.5	40 mm dia, nominal bore	Metre	160	639.60	1,02,277.80
18.03.4	18.10.6	50 mm dia, nominal bore	Metre	58	786.75	45,824.25
18.03.5 18.03.6	18.12.7 18.12.8	65 mm dia, nominal bore 80mm nominal bore	Metre Metre	10 21	716.00 866.40	6,824.20 18,350.35
10.05.0	10.12.0		Wieuc	21	000.40	16,550.55
18.04	DSR Item	Painting with synthetic enamel paint of approved drand and manufacture to				
	13.61 13.61.1	give an even shade Two more coast on new work	sqm	33	121.55	3,990.36
	13.01.1		Sqiii	33	121.33	3,990.30
18.05	18.17	Providing and fixing gun metal gate valve with CI wheel of approved quality				
10.05.1	18.17.1	(screwed ends) 25mm dia, nominal bore	F1	10	497.15	4 729 24
18.05.1 18.05.2	18.17.1	32 mm dia, nominal bore	Each Each	10	581.25	4,738.34 5,539.89
18.05.3	18.17.3	40 mm dia, nominal bore	Each	10	678.40	6,465.83
18.05.4	18.17.4	50 mm dia, nominal bore	Each	6	869.20	5,522.90
18.06	18.19	Providing and fixing gun metal non- return valve of approved quality (screwed				
15.00	10.17	end)				
18.06.1	18.19.3.1	40 nominal bore	Each	3	792.40	2,517.45
18.06.2	18.19.4.1	50 nominal bore	Each	6	1144.05	7,269.29
18.06.3	18.19.6.1	80 nominal bore	Each	2	2890.70	6,122.50
18.07	18.16	Providing and fixing brass stop cock of approved quality				
18.07.1	18.16.1	15mm nominal bore	Each	19	302.55	5,767.21
18.07.2	18.16.2	20mm nominal bore	Each	40	326.45	13,137.00

C N.	Aanglong in the State of Assam							
S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)		
	2019							
10.00	FI FOT DOD							
18.08	ELECT. DSR 2018 / 16.11	Supplying, fixing, testing and commissioning of following valves, gauges and strainers for condenser water circulation as per specifications.						
	2010710.11	suanicis for condenser water enculation as per specifications.						
	16.11.1	BUTTERFLY VALVE (MANUAL) with C I body SS Disc, Nitrile Rubber						
	10.11.1	Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation as						
		specified						
10.00.1	16.11.1.6	65 nominal bore	Each	5	2027.00	15 021 02		
18.08.1 18.08.2	16.11.1.6 16.11.1.5	80 nominal bore	Each	6	2837.00 3015.00	15,021.92 19,157.31		
18.08.3	16.11.1.4	100 nominal bore	Each	3	5442.00	17,289.23		
						,		
18.09	18.18	Providing and fixing ball valve (brass) of approved quality, High or low						
		pressure, with plastic floats complete						
	18.18.3	25 mm nominal bore	Each	24	394.00	9,596.66		
		Water County Internal World (Non-Color) 1-1-1-1-1-1						
		Water Supply Internal Work (Non Scheduled Items)						
18.10	MR 17	Providing and fixing C.P.V.C. ball valve in C.P.V.C. pipe including jointing of						
ı		pipes & fittings with one step CPVC solvent cement and testing of joints						
ı		complete as per direction of Engineer in Charge. (Astral/Prince/Prakash make						
ı		or equivalent)						
18.10.1		15 mm dia nominal bore	Each	20	226.50	4,557.41		
18.10.2		20 mm dia nominal bore	Each	44	274.65	12,215.88		
18.10.3		25 mm dia nominal bore	Each	47	375.65	17,503.79		
		Tatal of sub-band (19 0) (DSD)				12,26,515.21		
		Total of sub-head (18.0) (DSR)						
						34 277 08		
		Total of sub-head (18.0) (Non DSR)				34,277.08		
19.0		EXTERNAL SEWERAGE SYSTEM				34,277.08		
19.0		EXTERNAL SEWERAGE SYSTEM				34,277.08 - - -		
19.0	2.10	EXTERNAL SEWERAGE SYSTEM  Excavating trenches of required width for pipes, cables, etc including				34,277.08 - - -		
19.0	2.10	EXTERNAL SEWERAGE SYSTEM  Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto				34,277.08 - - -		
19.0	2.10	EXTERNAL SEWERAGE SYSTEM  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				34,277,08 - - -		
19.0	2.10	EXTERNAL SEWERAGE SYSTEM  Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto				34,277,08 - - -		
19.0	2.10	EXTERNAL SEWERAGE SYSTEM  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				34,277,08 - - -		
19.0	2.10	EXTERNAL SEWERAGE SYSTEM  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				34,277,08		
19.0	2.10	EXTERNAL SEWERAGE SYSTEM  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				34,277,08		
19.0	2.10	EXTERNAL SEWERAGE SYSTEM  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				34,277.08		
19.0		EXTERNAL SEWERAGE SYSTEM  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				34,277.08		
19.0	2.10 2.10.1 2.10.1 2.10.1.2	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not	Metre	635	364.20	2,31,412.68		
	2.10.1 2.10.1.2	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	Metre	635	364.20	-		
19.0	2.10.1	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff	Metre	635	364.20	-		
	2.10.1 2.10.1.2	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand)	Metre	635	364.20	-		
	2.10.1 2.10.1.2 19.1	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				2,31,412.68		
	2.10.1 2.10.1.2	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand)	Metre  Metre  Metre	635 477 159	364.20 500.20 1173.70	-		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :  150 mm diameter	Metre	477	500.20	2,31,412.68 - 2,38,370.31		
	2.10.1 2.10.1.2 19.1	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:  150 mm diameter  250 mm diameter	Metre	477	500.20	2,31,412.68 - 2,38,370.31		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:  150 mm diameter  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes	Metre	477	500.20	2,31,412.68 - 2,38,370.31		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:  150 mm diameter  250 mm diameter	Metre	477	500.20	2,31,412.68 - 2,38,370.31		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:  150 mm diameter  250 mm diameter  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design:	Metre Metre	477 159	500.20 1173.70	2,31,412.68  - 2,38,370.31 1,86,442.25 -		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4 19.3	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:  150 mm diameter  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design:	Metre Metre  Metre	477 159 238	500.20 1173.70 629.30	2,31,412.68 - 2,38,370.31 1,86,442.25 - 1,49,946.46		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4 19.3.2 19.3.2	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:  150 mm diameter  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design:  150 mm dia S.W pipe  250 mm dia S.W pipe	Metre Metre	477 159	500.20 1173.70	2,31,412.68  - 2,38,370.31 1,86,442.25 -		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4 19.3	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:  150 mm diameter  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :  150 mm dia S.W pipe  250 mm dia S.W pipe  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10	Metre Metre  Metre	477 159 238	500.20 1173.70 629.30	2,31,412.68 - 2,38,370.31 1,86,442.25 - 1,49,946.46		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4 19.3.2 19.3.2	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:  150 mm diameter  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design:  150 mm dia S.W pipe  250 mm dia S.W pipe	Metre Metre  Metre	477 159 238	500.20 1173.70 629.30	2,31,412.68 - 2,38,370.31 1,86,442.25 - 1,49,946.46		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4 19.3.2 19.3.2	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :  150 mm diameter  250 mm diameter  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :  150 mm dia S.W pipe  250 mm dia S.W pipe  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including	Metre Metre  Metre	477 159 238	500.20 1173.70 629.30	2,31,412.68 - 2,38,370.31 1,86,442.25 - 1,49,946.46		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4 19.3 19.3.2 19.3.4 19.2	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :  150 mm diameter  250 mm diameter  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :  150 mm dia S.W pipe  250 mm dia S.W pipe  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :	Metre Metre  Metre	238 79	500.20 1173.70 629.30	2,31,412.68  2,38,370.31 1,86,442.25 1,49,946.46 68,396.84		
19.01	2.10.1 2.10.1.2 19.1 19.1.2 19.1.4 19.3.2 19.3.2	EXTERNAL SEWERAGE SYSTEM  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:  All kinds of soils  Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :  150 mm diameter  250 mm diameter  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :  150 mm dia S.W pipe  250 mm dia S.W pipe  Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including	Metre Metre  Metre  Metre  Metre	477 159 238	500.20 1173.70 629.30 861.15	2,31,412.68  - 2,38,370.31 1,86,442.25 - 1,49,946.46		

S. No.	DSR	Description Aangiong in the State of	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019			Çı,	(22.22.3)	(23 239)
19.04	19.7	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4				-
		coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1cement : 1.5 coarse sand				
		(zone-III): 3 graded stone aggregate 20mm nominal size), foundation concrete				
		1:4:8 mix (1 cement : 4coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominalsize), inside plastering 12 mm thick with cement mortar 1:3 (1				
		cement: 3 coarse sand) finished with floating coat of neat cement andmaking				
		channels in cement concrete 1:2:4 (1 cement : 2 coarsesand : 4 graded stone				
		aggregate 20 mm nominal size) finished with afloating coat of neat cement complete as per standard design:				
	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light				-
		duty) 455x610 mm internal dimensions, total weight of cover and frame to be				
		not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg):				
	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	12	10905.05	1 20 501 20
	19./.1.1	with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	13	10905.05	1,38,581.38
						_
19.05	19.9	Constructing brick masonry circular type manhole 0.91 m internal dia at				-
		bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand),				
		inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6				
		mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size),				
		and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse				
		sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design:				
		coat of neat certain, an complete as per standard design.				
	19.9.1	0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade				-
		designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4				
		(1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)				
		including centering, shuttering all complete. (Excavation, foot rests and 12mm				
		thick cement plaster at the external surface shall be paid for separately):				
	19.9.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	35	11038.10	3,85,748.48
19.06	19.8	Extra for depth for manhole with F.P.S. bricks				-
	19.8.1	Size 90 X 80 cm				-
	19.8.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	8	7503.00	63,565.42
19.07	19.10	Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond				-
	19.10.1	0.91 m to 1.67 m  With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	35	6448.40	2,25,352.23
	17.10.1	what common outric day 1.1.3. (non modular) offices of class designation 7.3	INICITE	33	0440.40	2,23,332.23
19.08	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic	each	95	463.05	44,133.30
		encapsulated as per IS: 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum				
		length 263 mm and width as 165 mm with minimum 112 mm space between				
		protruded legs having 2 mm tread on top surface by ribbing or chequering				
		besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and				
		chemical resistance test as per specifications and having manufacture's				
		permanent identification mark to be visible even after fixing, including fixing				
		in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3				
		coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.				
			<u> </u>	1		-

S. No.	DSR	Aangiong in the State of Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
5. 110.	2019	Description	Cint	Quantity	Kate (III Ks)	Amount (in Ks)
	2015					
19.09	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1complete with				_
17.07	17.4	C.I. grating brick masonry chamber with water tight C.I. cover with frame of				
		300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and				
		frame to be not less than 2.70kg as per standard design:				
	19.4.3.1	180x150 mm size P type With FPS bricks	each	8	2409.60	20,414.13
19.10	19.21.1	Making connection of drain or sewer line with existing manhole including	each	3	623.50	1,980.86
17.10	17.21.1	breaking into and making good the walls, floors with cement cincrete 1:2:4	cacii		023.30	1,760.00
		mix (1cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size)				
		cement plastered on both sides with cement mortar 1:3 (1cement : 3 coarse				
		sand) finished with a floating coat of neat cement and making necessary				
		channels for the drain etc. complete for pipes 100 to 230mm dia.				
		Total of sub-head (19.0) (DSR)				20,99,398.29
20.0		D. IC. W. D. C.				
20.0		External Storm Water Drainage System				
	2.10	Excavating trenches of required width for pipes, cables, etc including				
	2.10	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 50m:				
	2.10.1	All kinds of soil				
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not	Metre	768	364.20	2,79,623.66
		exceeding 300 mm dia				
	2.10.1.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	Metre	19	568.60	10,838.65
	2.13	Excavating trenches of required width for pipes, cables, etc, including				
		excavation for sockets, depth upto 1.5 m, including getting out the excavated				
		materials, returning the soil as required in layers not exceeding 20 cm in depth,				
		including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable				
		material as directed, within a lead of 50 m:				
		material as directed, within a lead of 50 m.				
	2.13.1	Ordinary rock				
	2.13.1.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	Metre	86	801.85	68,781.89
						Í
	2 12 1 2	Pipes, cables exceeding 300 mm dia but not exceeding 600 mm dia	Matura	2	022.65	1.054.17
	2.13.1.3	Pipes, cables exceeding 500 mm dia but not exceeding 600 mm dia	Metre	2	922.65	1,954.17
20.01	10.6	D 11 11 1 12 12 12 12 12 12 12 12 12 12 1				
20.01	19.6	Providing and laying non-pressure NP2 class (light duty) RCC pipes with		1		
		collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1		[		
		cement : 2 fine sand) including testing of joints etc. complete. (for storm drainage)		1		
	19.6.2	150 mm dia RCC pipe	Metre	233	462.60	1,07,776.55
	19.6.3	250 mm dia RCC pipe	Metre	455	754.45	3,43,553.90
	19.6.4	300 mm dia RCC pipe	Metre	164	863.65	1,41,763.83
	19.6.5	450 mm dia RCC pipe	Metre	21	1392.70	29,497.39
20.02	19.3	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10		1		
		graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes		1		
	10.2.2	including bed concrete as per standard design:	Mer	116	620.20	72.207.16
	19.3.2	150 mm diameter S.W. pipe	Metre	116	629.30	73,307.16

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
	19.3.4	250 mm diameter S.W. pipe	Metre	228	861.15	1,96,070.94
	19.3.5 analysed	300 mm diameter S.W. pipe 450 mm diameter S.W. pipe	Metre Metre	164 21	993.65 1155.00	1,63,102.68 24,462.90
	_					,
20.03	19.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including				
		bed concrete as per standard design:				
	19.2.2	150 mm diameter S.W. pipe	Metre	116	999.15	1,16,390.98
	19.2.4	250 mm diameter S.W. pipe	Metre	228	1346.95	3,06,680.31
20.04	19.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in				
		cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast				
	19.27.1	R.C.C. horizontal grating with frame complete as per standard design :  With common burnt clay F.P.S. (non modular) bricks of	Each	84	5209.10	4,35,798.52
		class designation 7.5				,,
20.05	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of				
20.03	19.19	required shape and approved quality				
		,				
	19.19.1	L D- 2.5	Е 1		1229.00	7 000 42
	19.19.1.1	Rectangular shape 600x450mm internal dimensions	Each	6	1228.90	7,808.43
20.06	9.50	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight	Sqm	30	1448.35	43,345.26
		not less than 7.75 Kg per sqm to window frames etc. including 62x19 mm beading of second class teak wood and priming coat with approved steel				
		primer all complete.				
20.07	12.41	Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Tyape A included jointing with seal ring conforming to				
		IS:5382 leaving 10 mm gap for thermal expansion. (i)Single socketed pipes.				
	12.41.2		M /	64	205.05	10.202.00
	12.41.2	110 mm diameter	Metre	64	305.05	19,382.88
20.08	23.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable				
		method prescribed in IS:2800(Part I ), including collecting sample 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 90m depth				
	23.1.1	below ground level.  All types of Soil				
	23.1.1.1	300 mm dia	Metre	191	512.30	97,654.63
20.09	23.3					
20.09	23.3	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 & labour charges, fittings &				
		accessories, all complete, for all depths, as per direction of Engineer-in-charge.				
	23.3.2	150mm nominal size dia	Metre	106	690.75	73,150.43
20.10	22.4					
20.10	23.4	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 required hire & labour charges, fittings & accessories, all				
		complete, for all depths, as per direction of Engineer-in-charge.				
	23.4.2	150 mm nominal size dia	Metre	85	746.15	63,213.83
20.11	23.5	Supplying, filling, spreading & levelling <b>stone boulders</b> of size range 5cm to 20cm, in recharge pit, in the required thickness, for all leads & lifts, all	cum	4	1326.55	5,619.27
		complete as per direction of Engineer-in-charge.				
20.12	22.5				1225.55	
20.12	23.6	Supplying, filling, spreading & levelling <b>gravel</b> of size range 5mm to 10mm, in recharge pit, over the existing layer of boulders, in required thickness, for all	cum	4	1326.55	5,619.27
	<u> </u>	leads & lifts, all complete as per direction of Engineer-in-charge.			<u> </u>	
20.12	22.7				1225.55	
20.13	23.7	Supplying, filling, spreading & levelling <b>coarse sand</b> of size range 1.5mm to 2mm, in recharge pit, in required thickness over gravel layer, for all leads &	cum	4	1326.55	5,619.27
	I	lifts, all complete as per direction of Engineer-in-charge.		İ		

S. No.			77.1.	6		
	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
0.01	22.0	D. II. 1 C. C. L. L. DCC. C. L. L. L.	Б. 1	210	1210.05	2.04.607.05
0.01	23.9	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm,	Each	318	1210.85	3,84,687.05
		reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T.				
		hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c,				
		including providing edge binding with M.S. flats of size 50 mm x 1.6 mm				
		complete, all as per direction of Engineer-in- charge.				
20.14	23.15	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of				
	22.15.1	pipe assembly of tube well as per IS:2800 (part I).			227.15	
20.14	23.15.1	150 mm dia	each	6	227.45	1,445.22
20.14	Derived from DSR 2019	Constructing brick masonry open surface drain with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 fine sand) including 10 cm thick bed				
	DSK 2019	concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm				
		nominal size) and 25 mm thick cement concrete 1:2:4 (1 cement : 2 coarse				
		sand : 4 graded stone aggregate 12.5 mm nominal size) for filling haunches				
		including 12 mm cement plaster 1:4 (1 cement : 4 coarse sand) with a floating				
		coat of neat cement inside the drain, its top and exposed side including				
		disposal of surplus earth complete as per standard design:				
		a) 25 cm drain 30 cm average depth, With F.P.S. bricks	each	318	1545.90	4,91,132.43
20.15	D : 10		3.6.4	1.1		
20.15	Derived from	Extra for additional depth for brick masonry open surface drain:	Metre	11	392.95	4,161.34
20.15	Derived from DSR 2019	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular)	Metre	11	392.95	4,161.34
20.15			Metre	11	392.95	4,161.34
20.15		a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular)	Metre	11	392.95	4,161.34
20.15		a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	11	392.95	,
20.15		a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular)	Metre	11	392.95	4,161.34 35,02,442.79
20.15		a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS	Metre	11	392.95	,
		a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)	Metre	11	392.95	,
21	DSR 2019	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY	Metre	11	392.95	,
		a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching	Metre	11	392.95	,
21	DSR 2019	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works	Metre	11	392.95	,
21	DSR 2019  18.12  18.12.3	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore	Metre	32	364.55	35,02,442.79 11,581.75
21	18.12 18.12.3 18.12.4	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore	Metre Metre	32 58	364.55 424.70	35,02,442.79 11,581.75 24,736.65
21	18.12 18.12.3 18.12.4 18.12.6	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore	Metre Metre Metre	32 58 161	364.55 424.70 565.25	35,02,442.79 11,581.75 24,736.65 90,987.16
21	18.12 18.12 18.12.4 18.12.6 18.12.7	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore 65mm nominal bore	Metre Metre Metre Metre	32 58 161	364.55 424.70 565.25 716.00	35,02,442.79 11,581.75 24,736.65 90,987.16 7,582.44
21	18.12 18.12.3 18.12.4 18.12.6	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore	Metre Metre Metre	32 58 161	364.55 424.70 565.25	35,02,442.79 11,581.75 24,736.65 90,987.16 7,582.44
21	18.12 18.12 18.12.4 18.12.6 18.12.7	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore 65mm nominal bore 65mm nominal bore 80mm nominal bore	Metre Metre Metre Metre	32 58 161	364.55 424.70 565.25 716.00	35,02,442.79 11,581.75 24,736.65 90,987.16 7,582.44
21 21.01	18.12 18.12 18.12.4 18.12.6 18.12.7 18.12.8	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality	Metre Metre Metre Metre Metre	32 58 161 11 175	364.55 424.70 565.25 716.00 866.40	35,02,442.79 11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40
21 21.01	18.12 18.12 18.12.4 18.12.6 18.12.7 18.12.8 18.40 18.40.3	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore	Metre Metre Metre Metre Metre Metre	32 58 161 11 175	364.55 424.70 565.25 716.00 866.40	35,02,442.79 11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40
21 21.01	18.12 18.12 18.12.3 18.12.4 18.12.6 18.12.7 18.12.8 18.40 18.40.3 18.40.4	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 65mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 32 mm dia, nominal bore	Metre Metre Metre Metre Metre Metre Metre	32 58 161 11 175	364.55 424.70 565.25 716.00 866.40	35,02,442.79 11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40 449.55 993.08
21 21.01	18.12.3 18.12.4 18.12.6 18.12.7 18.12.8 18.40. 18.40.3 18.40.4 18.40.6	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore 80mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 32 mm dia, nominal bore 32 mm dia, nominal bore 50 mm dia, nominal bore	Metre Metre Metre Metre Metre Metre Metre	32 58 161 11 175 32 58 148	364.55 424.70 565.25 716.00 866.40	11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40 449.55 993.08 3,447.05
21 21.01	18.12 18.12 18.12.4 18.12.6 18.12.7 18.12.8 18.40.6 18.40.6 18.40.7	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 65mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 32 mm dia, nominal bore	Metre	32 58 161 11 175	364.55 424.70 565.25 716.00 866.40	35,02,442.79  11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40  449.55 993.08 3,447.05 306.58
21 21.01	18.12.3 18.12.4 18.12.6 18.12.7 18.12.8 18.40. 18.40.3 18.40.4 18.40.6	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 32 mm dia, nominal bore 50 mm dia, nominal bore 50 mm dia, nominal bore 65 mm dia, nominal bore 65 mm dia, nominal bore 80mm nominal bore	Metre Metre Metre Metre Metre Metre Metre	32 58 161 11 175 32 58 148 11	364.55 424.70 565.25 716.00 866.40 14.15 17.05 23.25 28.95	35,02,442.79  11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40  449.55 993.08 3,447.05 306.58
21 21.01	18.12 18.12 18.12.4 18.12.6 18.12.7 18.12.8 18.40.6 18.40.6 18.40.7	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 32 mm dia, nominal bore 50 mm dia, nominal bore 65 mm dia, nominal bore 80mm nominal bore	Metre	32 58 161 11 175 32 58 148 11	364.55 424.70 565.25 716.00 866.40 14.15 17.05 23.25 28.95	35,02,442.79  11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40  449.55 993.08 3,447.05 306.58
21.01	18.12 18.12 18.12.4 18.12.6 18.12.7 18.12.8 18.40.3 18.40.4 18.40.6 18.40.7 18.40.8	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 50 mm dia, nominal bore 50 mm dia, nominal bore 50 mm dia, nominal bore 65 mm dia, nominal bore 80mm nominal bore Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end):	Metre	32 58 161 11 175 32 58 148 11	364.55 424.70 565.25 716.00 866.40 14.15 17.05 23.25 28.95	35,02,442.79 11,581.75 24,736.65 90,987.16
21.01	18.12 18.12 18.12.4 18.12.6 18.12.7 18.12.8 18.40.6 18.40.7 18.40.8	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 55mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 32 mm dia, nominal bore 50 mm dia, nominal bore 50 mm dia, nominal bore 50 mm dia, nominal bore 65 mm dia, nominal bore 70 mm dia, nominal bore 80mm nominal bore 80mm nominal bore	Metre	32 58 161 11 175 32 58 148 11 175	364.55 424.70 565.25 716.00 866.40 14.15 17.05 23.25 28.95 33.60	11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40 449.55 993.08 3,447.05 306.58 5,871.10
21.01	18.12 18.12 18.12.3 18.12.4 18.12.6 18.12.7 18.12.8 18.40.3 18.40.4 18.40.6 18.40.7 18.40.8	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 55mm nominal bore 65mm nominal bore 80mm nominal bore 92mm idia, nominal bore 32 mm dia, nominal bore 32 mm dia, nominal bore 32 mm dia, nominal bore 950 mm dia, nominal bore 950 mm dia, nominal bore 950 mm dia, nominal bore 970 mm dia, nominal bore 980 mm nominal bore 980 mm nominal bore 990 mm dia, nominal bore 990 mm dia, nominal bore 900 mm nominal bore	Metre	32 58 161 11 175 32 58 148 11 175	364.55 424.70 565.25 716.00 866.40 14.15 17.05 23.25 28.95 33.60	35,02,442.79  11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40  449.55 993.08 3,447.05 306.58 5,871.10
21.01	18.12 18.12 18.12.4 18.12.6 18.12.7 18.12.8 18.40.6 18.40.7 18.40.8	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 55mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 32 mm dia, nominal bore 50 mm dia, nominal bore 50 mm dia, nominal bore 50 mm dia, nominal bore 65 mm dia, nominal bore 70 mm dia, nominal bore 80mm nominal bore 80mm nominal bore	Metre	32 58 161 11 175 32 58 148 11 175	364.55 424.70 565.25 716.00 866.40 14.15 17.05 23.25 28.95 33.60	35,02,442.79  11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40  449.55 993.08 3,447.05 306.58 5,871.10
21.01	18.12 18.12.3 18.12.4 18.12.6 18.12.7 18.12.8 18.40 18.40.3 18.40.4 18.40.6 18.40.7 18.40.8 18.17.1 18.17.1 18.17.1 18.17.2 18.17.4 18.17.5	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 50mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 32 mm dia, nominal bore 50 mm dia, nominal bore 50 mm dia, nominal bore 65mm dia, nominal bore 70 mm dia, nominal bore 80mm nominal bore	Metre	32 58 161 11 175 32 58 148 11 175	364.55 424.70 565.25 716.00 866.40 14.15 17.05 23.25 28.95 33.60 497.15 581.25 869.20 1488.10	35,02,442.79  11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40  449.55 993.08 3,447.05 306.58 5,871.10  1,052.96 3,077.72 920.48 1,575.90
21.01	18.12 18.12 18.12.3 18.12.4 18.12.6 18.12.7 18.12.8 18.40.3 18.40.4 18.40.6 18.40.7 18.40.8 18.17	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 65mm nominal bore 80mm nominal bore 80mm nominal bore 92 mm dia, nominal bore 32 mm dia, nominal bore 55 mm dia, nominal bore 95 mm dia, nominal bore 96 mm dia, nominal bore 97 mm dia, nominal bore 98 mm dia, nominal bore 99 mm dia, nominal bore 90 mm dia, nominal bore 90 mm dia, nominal bore 91 mm dia, nominal bore 92 mm dia, nominal bore 93 mm dia, nominal bore 94 mm dia, nominal bore 95 mm dia, nominal bore 95 mm nominal bore 95 mm nominal bore 95 mm nominal bore	Metre	32 58 161 11 175 32 58 148 11 175	364.55 424.70 565.25 716.00 866.40 14.15 17.05 23.25 28.95 33.60 497.15 581.25 869.20	35,02,442.79  11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40  449.55 993.08 3,447.05 306.58 5,871.10  1,052.96 3,077.72 920.48 1,575.90
21.01	18.12 18.12.3 18.12.4 18.12.6 18.12.7 18.12.8 18.40 18.40.3 18.40.4 18.40.6 18.40.7 18.40.8 18.17.1 18.17.1 18.17.1 18.17.2 18.17.4 18.17.5	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 32 mm dia, nominal bore 50 mm dia, nominal bore 65 mm dia, nominal bore 65 mm dia, nominal bore 80mm nominal bore Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): external works 25mm nominal bore 32 mm dia, nominal bore 33 mm dia, nominal bore 50mm nominal bore 50mm nominal bore	Metre	32 58 161 11 175 32 58 148 11 175	364.55 424.70 565.25 716.00 866.40 14.15 17.05 23.25 28.95 33.60 497.15 581.25 869.20 1488.10	11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40 449.55 993.08 3,447.05 306.58 5,871.10
21.01	18.12 18.12.3 18.12.4 18.12.6 18.12.7 18.12.8 18.40 18.40.3 18.40.4 18.40.6 18.40.7 18.40.8 18.17.1 18.17.1 18.17.1 18.17.2 18.17.4 18.17.5	a) 25 cm drain 30 cm depth, with common burnt clay F.P.S. (non modular) bricks of class designation 7.5  Total of sub-head (20.0) (DSR)  EXTERNAL WATER SUPPLY SYSTEM AND PUMPS DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY  Providing and fixing G.I. pipes complete with G.I. fittings including ,trenching and refilling etc. external works 25mm nominal bore 32mm nominal bore 55mm nominal bore 65mm nominal bore 80mm nominal bore Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality 25 mm dia, nominal bore 50 mm dia, nominal bore 50 mm dia, nominal bore 65 mm dia, nominal bore 65 mm dia, nominal bore 80mm nominal bore Froviding and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): external works 25mm nominal bore 50mm nominal bore 50mm nominal bore 50mm nominal bore	Metre	32 58 161 11 175 32 58 148 11 175	364.55 424.70 565.25 716.00 866.40 14.15 17.05 23.25 28.95 33.60 497.15 581.25 869.20 1488.10	35,02,442.79  11,581.75 24,736.65 90,987.16 7,582.44 1,51,390.40  449.55 993.08 3,447.05 306.58 5,871.10  1,052.96 3,077.72 920.48 1,575.90

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
5. 110.	2019	Description	Cint	Quantity	Rate (III Rs)	rinount (in Rs)
	2015					
	10.11.1	22 11 1			452.25	0.065.00
	18.41.4 18.41.6	32mm dia pipe 50mm dia pipe	Metre Metre	58 148	152.25 159.95	8,867.80 23,714.19
	18.41.7	65mm dia pipe	Metre	11	252.45	2,673.45
	18.41.8	80mm dia pipe	Metre	175	260.15	45,457.31
	10	ovinii dia pipe	1,10110	170	200.12	15,157151
21.05	18.59	Providing and fixing C.I. double acting air valve of approved quality with				
		bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if				
		required will be paid separately):				
	18.59.1	50 mm dia	Each	1	5157.00	5,461.26
	18.59.2	80 mm dia	Each	1	6240.70	6,608.90
	18.59.3	100 mm dia	Each	2	8193.10	17,352.99
21.06	18.31.1	Providing & Fixing C.I.sluice valve(with cap) complete with bolts,nuts,rubber				
21.00	10.51.1	insertions etc.(the tail pieces if required will be paid separately)				
		institutions con (une unit process in required with our parts separately)				
i)	18.31.1.1	100 mm dia.pipe Class I	Each	1	3977.60	4,212.28
ii)	18.32.1	Constructing masonry chamber 30x30x50 cm,inside with 75 class designation	Each	2	1582.45	3,351.63
		brick work in cement mortar 1:4 (1 cement:4 coarce sand) for stop cock				
		complete with C.I. surface box 100x100x75mm (inside) with locking				
		arrangement and RCC top slab 1:2:4 mix (1 cement : 2 corase sand: 4 graded stonr aggregate 20mm nominal size) necessary excavation foundation concret				
		1:5:10 (1 cement:5 fine sand : 10 graded stone aggregate 40 mm nominal size)				
		and inside plastering with cement mortor 1:3 (1 cement : 3 coarse sand) 12 mm				
		thick finished with a floating coat of neat cement complete as per standard				
		design.				
21.07	18.33	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement				
		mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box				
		100mm top diameter, 160 mm bottom diameter 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 20mm nominal size), i/c necessary excavation,				
		foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate				
		40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :				
		3 coarse sand) 12 mm thick, finished with a floating coat of neat cement				
		complete as per standard design :				
	18.33.1	With common burnt clay F.P.S.(non modular) bricks of	Each	22	9288.40	2,06,564.73
		class designation 7.5				
21.08	18	Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement				
		mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter 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), i/c necessary excavation,				
		foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate				
		40 mm nominal size ) and inside plastering with cement mortar 1:3 (1 cement :				
		3 coarse sand) 12 mm thick, finished with a floating coat of neat cement				
		complete as per standard design :				
	10 24 1	18.34.1 With common burnt clay F. With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	TL	4	16124.15	69 244 26
	18.34.1	with common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Each	4	16134.15	68,344.26
21.09	18.13	Making connection of G.I. distribution branch with G.I. main of following				
21.07		sizes by providing and fixing tee, including cutting and threading the pipe etc.				
	1	complete:				
	18.13.2	50 to 80 mm nominal bore	Item	8	1432.75	12,138.26
21.10	ELECT. DSR	BUTTERFLY VALVE (MANUAL) with C I body SS disc nitrile sheet & O -				
	2018/ 16.11.1	ring & PN 16 pressure rating as specified.	E 1		2027.00	6,000 ==
	16.11.1.6 16.11.1.5	65 nominal bore 80 nominal bore	Each Each	13	2837.00 3015.00	6,008.77 38,314.62
	10.11.1.3	OU HUITIIIAI UUIC	Eacn	15	3013.00	38,314.62
21.11	ELECT. DSR	NON - RETURN VALVE with dual plate of C I body SS plates vulcanized				
	16.11.2.2	150 nominal bore	Each	2	7171.00	15,188.18
	16.11.2.4	100 nominal bore	Each	8	4581.00	38,810.23
	16.11.2.5	80 nominal bore	Each	6	3139.00	19,945.21
2: :-	DI Dom =	D :: 10: 07: : : : : : : : : : : : : : : : : :				
21.12	ELECT. DSR	Providing and fixing GI pipes medium class conforming to IS 1239 with GI				
	2018 / 14.13	fittings including cutting hole chase painted with primer, two coats of enamel				
	1	paints etc		l		

0.31	l non	Aangiong in the State of				
S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2015					
	14.13.3	100 mm dia, NB	Metre	58	1113.00	64,826.69
	14.13.4	150 mm dia, NB	Metre	26	1687.00	44,663.33
		Total of sub-bond (21.0) (DSD)				0.42.540.20
		Total of sub-head (21.0) (DSR)				9,43,540.30
22.0		Bore Well Installations (As per D.S.R)				
22.04						
22.01	23.1	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				
	23.1.1	depth below ground level.  All types of soil				
	23.1.1.1	300 mm dia	metre	53	512.30	27,126.29
	23.1.2	Rocky strata including Boulders				
	23.1.2.1	300 mm dia	metre	16	1223.20	19,430.53
	23.3	Supplying, assembling, lowering and fixing in vertical position in bore well,	Meter			
	23.3	unplasticized PVC medium well casing (CM) pipe of required dia, conforming	Wicter			
		to IS: 12818, including required hire and labour charges, fittings & accessories				
		etc. all complete, for all depths, as per direction of Engineer -in-charge.				
	23.3.3	200mm nominal dia	Meter	42	1066.05	45,157.88
	23.3.3	200mm nommar dia	IVICICI	72	1000.03	45,157.00
22.02	23.4	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.				
	23.4.3	200 mm nominal size dia	metre	21	1135.80	24,056.24
22.03	22.9	Gravel packing in tubewell construction in accordance with IS: 4097, including		4	1497.70	6,344.26
22.03	23.8	providing gravel fine/ medium/ coarse, in required grading & sizes as per	cum	4	1497.70	0,344.20
		actual requirement, all complete as per direction of Engineer-in-charge.				
22.04	23.12	Development of tube well in accordance with IS: 2800 (part I) and IS: 11189,	hour	38	857.60	32,695.14
		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.				
22.05	23.13	Providing and fixing suitable size threaded mild steel cap or spot welded plate				
		to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of:				
	23.13.3	200 mm nominal size dia	Each	1	280.95	297.53
						2,7.55
22.06	23.14	Providing and fixing M.S. clamp of required dia to the top of casing/ housing				
		pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.				
	23.14.3	200 mm clamp	Each	2	1691.15	3,581.86
					0, 2, 2	3,501.00
22.07	23.15	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of				
	23.15.3	pipe assembly of tubewell as per IS:2800 (part I). 200 mm dia	Each	1	307.75	325.91
	2.1.0.2	200 mm did	Lacii	1	301.13	323.91
		Total of sub-head (22.0) (DSR)				1,59,015.63
		FIRE FIGHTING WORKS				
23.0	DSR-18/19	PIPING & VALVES				
	l	<u> </u>		l		

	Aanglong in the State of Assam							
S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)		
	2019							
23.01	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:						
	7.1	25 mm dia.	Metre	19	471.00	8,978.20		
	7.5	65 mm dia.	Metre	64	1004.00	63,794.16		
	7.6	80 mm dia.	Metre	180	1122.00	2,01,993.66		
	7.7	100mm dia	Metre	48	1499.00	71,434.85		
23.02	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:						
	14.5	80mm dia	Nos	3	7539.00	23,951.40		
						,		
23.03	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality						
	10 17 1	(screwed end):	N.T.	10	407.15	0.476.67		
23.04	18.17.1 11	25 mm dia.  Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6	Nos	19	497.15	9,476.67		
23.04		rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts,						
		washers, gaskets conforming to IS 13095 of following sizes as required :						
	11.5	100 mm dia.	Nos	6	6454.00	41,008.72		
22.05	1.5	D. C.						
23.05	15	Providing, installation, testing and commissioning of stainless steel Y- strainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet						
		with 3 mm dia holes with stainless steel flange.						
	15.2	100mm dia	Each	3	6450.00	20,491.65		
23.06	MR 1	Providing and fixing 150 mm dial diameter size <b>Pressure gauge</b> (0-15	Nos	3	682.00	2,166.71		
		Kg/Cm2) complete with shut off valve duly calibrated before installation complete as required & as per enclosed specification.						
		complete as required & as per enclosed specification.						
		Total of sub-head (23.0) (DSR)				4,41,129.31		
		Total of sub-head (23.0) (NON DSR)				2,166.71		
24.0	17	FIRE HYDRANT ACCESSORIES						
24.01	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 as required.						
		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 equipmets on wall. Connections from						
		riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket.						
	17.1	30m	Nos	19	8413.00	1,60,368.61		
		T. I. A. I. I. (A1A) (DCD)				1 (0.2(0.41		
		Total of sub-head (24.0) (DSR)				1,60,368.61		
25.0		FIRE EXTINGUISHERS & MISC. ITEMS						
25.01	MR 2	Providing and fixing Carbon-di-oxide fire extinguishers consisting of welded	Nos	2	8228.00	17,426.90		
		M.S cylindrical body, squeeze lever discharge valve fitted with internal						
		discharge tube, 30cms long high pressure discharge hose, discharge nozzle,						
		suspension bracket, confirming to IS: 15683 finished externally with red						
		enamel paint and fixed to wall with brackets with rawl plug/dash fasteners						
		complete with internal charge. Capacity 4.5 kg. ISI Marked. (Contractor should submit test certificate form manufacturer along with serial number of every						
		extinguishers supplied.)						

S. No.	DSR	Aanglong in the State of Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
5. 110.	2019	Description	Oint	Qualitity	Kate (III Ks)	Amount (m Rs)
25.02	MR 3	Providing and fixing (ABC Dry Chemical Powder ) type Fire Extinguisher of Capacity 6 kg Confirms to IS 15683, bearing ISI mark complete with brass forged squeeze grip type valve fitted with pressure gauge, pressurize with dry Nitrogen gas filled, with discharge nozzle with wall mounting bracket (rubber gripped) complete with internal charges. (Contractor should submit test certificate form manufacturer along with serial number of every extinguishers supplied.)	Nos	34	3261.00	1,10,508.77
25.03	MR 4	Providing and fixing water Carbon-di-oxide (ISI marked) extinguishers including all accessories as per IS specification with wall bracket with rawl plug complete as reqd.( Contractor should submit test certificate form manufacturer along with serial number of every extinguishers supplied.)	Nos	2	4133.00	8,753.69
		Capacity 9 Litres				
		Total of sub-head (25.0) (Non DSR)				1,36,689.37
26.0		FIRE PUMPS & ACCESSORIES			+	
26.01	DSR - 2019 item 4.2	Supplying, installation, testing and commissioning of electric driven terrace pump suitable for automatic operation and consisting of following, complete in all respects, as required: (Terrace Pump)				
		(a) Horizontal type, multistage, centrifugal, split casing pump of cast iron 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, 3 phase, 50 Hz, AC supply with IP55 class of protection for enclosure, horiziontal 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 with anti-				
		vibration pads.				
		450 lpm at 35 m Head	Set	3	85291.00	2,70,969.51
26.02	MR 5	Providing and fixing rubber expansion joint (to provide relief from stresses at pipe flanges) as per specification of the manufacturers and direction of Engineer in chief PN-16 rating				
		(a) 100 mm dia	Nos	3	560.00	1,779.12
26.03	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.	Nos	3	18009.00	57,214.59
26.04	MR 6	"Providing, fixing, testing and commissioning of control panel for Terrace	Nos	3	36724.00	1,16,672.15
		Booster pumps. Incoming: MCCB 35A 1 set of Phase indicating lamps, 1 set of 35A Al bus bars, 1No Ammeter, 1No Voltmeter with phase selector switch Feeder for Booster Pumps - 1 No. 1 No. 32A TP MCCB without releases. DOL starter with over load relay, single phase preventor and indicating lamps with ON/OFF push buttons. 1 No. Automanual selector switch. Suitable for booster pumps"				
		Total of sub-head (26.0) (DSR)				3,28,184.10
		Total of sub-head (26.0) (DSR)				1,18,451.27
		Total of Sub-licau (20.0) (Non DSN)		<del>                                     </del>		1,10,431.27

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
		ELECTRICAL WORKS (Internal)				
		ELECTRICAL WORKS (Internal)				
27.0		Internal Wiring				
		Point wiring in PVC conduit, with modular type switch :-				
27.01	1.10	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 GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated				
	1 10 1	copper conductor single core cable etc. as required.	D : .	11.52	717.00	0.24.000.07
	1.10.1	Group A Group B	Point Point	1153 83	717.00 783.00	8,26,880.97 64,677.37
	1.10.3	Group C	Point	435	990.00	4,30,896.51
27.02	1.55					
27.02	1.55	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 PVC				
		conduit, and earthing the point with 1.5 sq.mm FRLS PVC insulated copper				
		conductor single core cable etc as required. (Note: To be				
		provided in class rooms in school bldg./ common areas/ toilets/ corridors etc.)				
		tut.)				
	1.55.1	Group A	Point	234	463.00	1,08,360.06
	1.55.2	Group B	Point	6	508.00	3,227.83
	1.55.3	Group C	Point	217	555.00	1,20,487.73
27.03	1.11	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated	Point	42	1057.00	44,774.52
27.03	****	copper conductor single core cable in surface / recessed medium class PVC	10111	12	1037.00	11,771.32
		conduit, 2 way modular switch, modular plate, suitable GI box and earthing the				
		point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable				
		etc. as required.				
		December 1997 and 1997 AS Many				
27.04		Power plug wiring in PVC conduit (2 x 4 Sq.Mm.):-				
27.04	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit	Metre	4668	200.00	9,33,614.40
		alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core				
		cable for loop earthing as required.				
25.05		Circuit / Sub main wiring in PVC conduit :-				
27.05	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/				
		recessed medium class PVC conduit as required.				
		·				
	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire.	Metre	4785	146.00	6,98,546.05
	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire.	Metre	4789	167.00	7,99,729.27 2,26,774.26
	1.14.4 1.14.5	2 x 6 sq.mm. + 1 x 6 sq.mm. Earth wire 2 x 10 sq.mm. + 1 x 6 sq.mm. Earth wire	Metre Metre	911 1038	249.00 328.00	2,26,7/4.26 3,40,404.96
	1.14.10	4 x 10 sq.mm. + 2 x 6 sq.mm. Earth wire	Metre	1260	543.00	6,84,294.03
	1.14.11	4 x 16 sq.mm. + 2 x 6 sq.mm. Earth wire	Metre	26	752.00	19,909.20
		S/F light plug point Modular Type Accessories :-				
27.06	1.31	Supplying and fixing suitable size GI box with modular plate and cover in	Each	1038	401.00	4,16,165.82
		front on surface or in recess, including providing and fixing 3 pin 5/6 A				
		modular socket outlet and 5/6 A modular switch, connections etc. as required.				
		S/F power plug point modular Type Accessories :-				
27.07	1.32	Supplying and fixing suitable size GI box with modular plate and cover in	Each	398	495.00	1,97,101.08
		front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16				
		A modular socket outlet and 15/16 A modular switch, connections etc. as required.				
		required.			+	

27.08 27.09	2.18	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2.18					
	2.18					
	2.18					
	2.18					
27.09		Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2	Each	33	1232.00	40,445.33
27.09		pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB,				
27.09		in sheet steel enclosure, on surface or in recess, with chained metal cover for				
27.09		the socket out let and complete with connections, testing and commissioning etc. as required.				
27.09		ctc. as required.				
	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V,	Each	35	92.00	3,215.12
		complete as required.				
27.10	MR	Supplying and fixing suitable size GI box with modular plate and cover in		52	763.00	39,592.83
27.10	IVIIC	front on surface or in recess, including providing and fixing 2 nos. of 3 pin 5/6		32	703.00	37,372.03
		A modular socket outlet and 2 nos. of 5/6 A modular switch, connections etc.				
		as required.				
		T 4 1 6 1 1 1 (27.6) (DCD)				50 50 504 50
		Total of sub-head (27.0) (DSR)				59,59,504.50
		Total of sub-head (27.0) (NON DSR)				39,592.83
28.0		Distribution Boards & MCB'S				
28.01	2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve,				
		miniature circuit breaker suitable for inductive load of following poles in the				
		existing MCB DB complete with connections, testing and commissioning etc.				
	2.10.1	as Required. Single pole	Each	1108	199.00	2,20,435.09
	2.10.1	Triple pole and neutral	Each	14	1092.00	15,033.56
	2.10.0	This pote wild newful.	Davi		10,2100	10,000,00
28.02	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB	Each	157	8.00	1,253.86
		complete etc. as required.				
28.03	2.4	Supplying and Fixing Following way, Horizontal Type Three Pole and				
20.03	2.7	Neutral, Sheet Steel, MCB Distribution Board, 415 V, on surface/ recess,				
		complete with tinned copper bus bar, neutral bus bar, earth bar, din bar,				
		interconnections, powder painted including earthing etc. as required. (But				
	2.12	without MCB/RCCB/Isolator).	Е.1		2502.00	
	2.4.2	6 Way (4 + 18), Double Door 8 Way (4 + 24), Double Door	Each Each	23	3693.00 4601.00	50,841.53 1,07,194.10
	2.4.5	8 Way (4 + 24), Double Bool	Lacii	23	4001.00	1,07,194.10
28.04	2.3	Supplying and fixing following way, Single Pole and Neutral, sheet steel,				
		MCB distribution board, 240 V, on surface/ recess, complete with tinned				
		copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder				
		painted including earthing etc. as required. (But without MCB/RCCB/Isolator).				
	2.3.1	6 Way Double door.	Each	2	1661.00	3,518.00
	2.3.2	8 Way Double door.	Each	5	1760.00	9,319.20
	2.3.3	12 Way Double door.	Each	30	2053.00	60,875.56
		S/F DP MCB Isolator				
28.05	2.12	Supplying and fixing following Rating, Double pole, 240 V, isolator in the				
		existing MCB DB complete with connections, testing and commissioning etc.				
		as Required.				
	2 12 1	10.4	El-	10	220.00	2 221 01
	2.12.1	40 Amps 63 Amps	Each Each	10 28	339.00 385.00	3,231.01 10,600.59
	2.11.3	,ps	2.0011	20	303.00	10,000.39
		S/F 4P MCB Isolator				
28.06	2.13	Supplying and fixing following rating, four pole, 415 V, isolator in the existing				
		MCB DB complete with connections, testing and commissioning etc. as				
	2.22	Required.	F .		222 -	
	2.13.2	63 Amps	Each Each	29 7	839.00	23,989.53
	4.13.3	100 Amps	Басп	/	1047.00	7,761.41

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
28.07	2.14	Supplying and fixing following rating, double pole, (single phase and neutral),				
		240 V, residual current circuit breaker (RCCB), having a sensitivity current 30				
		mA in the existing MCB DB complete with connections, testing and				
		commissioning etc. as Required.				
	2.14.2	40 Amps	Each	13	2095.00	26,623.26
	2.14.3	63 Amps	Each	28	2640.00	72,689.76
	2.15	Supplying and fixing following rating, Four pole, (Threee phase and neutral),				
		415 V, residual current circuit breaker (RCCB), having a sensitivity current 30				
		mA in the existing MCB DB complete with connections, testing and				
	2.15.2	commissioning etc. asrequired. 40 Amps	Each	1	2626.00	2,780.93
	2.15.3	63 Amps	Each	34	2777.00	94,106.98
28.08	2.5	Supplying and fixing of following ways surface/ recess mounting, vertical				, , , , , , , , , , , , , , , , , , , ,
		type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly				
		powder painted, inclusive of 200 A tinned copper bus bar, common neutral				
		link, earth bar, din bar for mounting MCBs (but without MCBs and incomer )				
		as required . (Note: Vertical type MCB TPDB is normally used				
		where 3 phase outlets are required.)				
	2.5.1	4 way (4 + 12), Double door	Each	2	5651.00	11,968.82
	2.5.1	1 may (1 × 12), 2 subtraction	Lucii		5051100	11,700.02
28.09	MR	Supplying and fixing following rating, Single/ double/ three pole, 230/ 415				
		volts, MCB "C" curve in the existing MCB DB complete with connections,				
		testing and commissioning etc. as required.	Each	1.4	1733.00	22.050.21
		63 amps FP MCB	Eacii	14	1/33.00	23,858.21
		Total of sub-head (28.0) (DSR)				7,22,223.17
		Total of sub-head (28.0) (Non-DSR)				23,858.21
29.0		Telephone, Television & Data System (Socket, Wiring & Conduting Only)				
		S/F Modular Boxes, Base & Cover Plate :-				
29.01	1.27					
	1.27	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular				
	1.27					
	1.27.1	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)	Each	181	243.00	44,004.63
		Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.	Each Each	181 42	243.00 267.00	44,004.63 11,310.12
	1.27.1	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)				
29.02	1.27.1 1.27.2	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :-				
29.02	1.27.1	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing				
	1.27.1 1.27.2 1.24	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :-  Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.	Each		267.00	11,310.12
31.02.01	1.27.1 1.27.2 1.24	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :-  Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet.	Each Each	42	267.00	11,310.12 6,931.16
31.02.01 31.02.02	1.27.1 1.27.2 1.24 1.24.6 1.24.7	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet.  TV Antenna socket outlet.	Each Each Each	58 44	267.00 119.00 119.00	6,931.16 5,292.88
31.02.01 31.02.02 31.02.03	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  I or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required. Telephone Socket outlet. TV Antenna socket outlet. Bell push	Each Each	42	267.00	11,310.12 6,931.16
31.02.01 31.02.02	1.27.1 1.27.2 1.24 1.24.6 1.24.7	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required. Telephone Socket outlet. TV Antenna socket outlet. Bell push Supplying and fixing of following sizes of medium class PVC conduit along	Each Each Each	58 44	267.00 119.00 119.00	6,931.16 5,292.88
31.02.01 31.02.02 31.02.03	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  I or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required. Telephone Socket outlet. TV Antenna socket outlet. Bell push	Each Each Each	58 44	267.00 119.00 119.00	6,931.16 5,292.88
31.02.01 31.02.02 31.02.03 29.03 31.03.01	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet. TV Antenna socket outlet. Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm.	Each Each Each Each Metre	58 44 6	267.00 119.00 119.00 126.00	11,310.12 6,931.16 5,292.88 800.60
31.02.01 31.02.02 31.02.03 29.03	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket:- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet.  TV Antenna socket outlet.  Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	Each Each Each Each	58 44 6	267.00 119.00 119.00 126.00	6,931.16 5,292.88 800.60
31.02.01 31.02.02 31.02.03 29.03 31.03.01 31.03.02	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21 1.21.1	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  I or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet.  TV Antenna socket outlet.  Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm.  25 mm.	Each Each Each Each Metre	58 44 6	267.00 119.00 119.00 126.00	11,310.12 6,931.16 5,292.88 800.60
31.02.01 31.02.02 31.02.03 29.03 31.03.01	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  I or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet. TV Antenna socket outlet. Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm. 25 mm.	Each Each Each Each Metre	58 44 6	267.00 119.00 119.00 126.00	11,310.12 6,931.16 5,292.88 800.60
31.02.01 31.02.02 31.02.03 29.03 31.03.01 31.03.02	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21 1.21.1	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  I or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet.  TV Antenna socket outlet.  Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm.  25 mm.	Each Each Each Each Metre	58 44 6	267.00 119.00 119.00 126.00	11,310.12 6,931.16 5,292.88 800.60
31.02.01 31.02.02 31.02.03 29.03 31.03.01 31.03.02	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21 1.21.1	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet.  TV Antenna socket outlet.  Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm.  25 mm.  Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, Unarmored Telephone cable in the existing	Each Each Each Each Metre	58 44 6	267.00 119.00 119.00 126.00	11,310.12 6,931.16 5,292.88 800.60
31.02.01 31.02.02 31.02.03 29.03 31.03.01 31.03.02 29.04	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21 1.21.1 1.21.2	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  I or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet.  TV Antenna socket outlet.  Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm.  25 mm.  Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, Unarmored Telephone cable in the existing surface/ recessed steel/ PVC conduit as required.  2 Pair	Each Each Each Each Metre Metre	58 44 6 3198 508	267.00 119.00 119.00 126.00 84.00 90.00	11,310.12 6,931.16 5,292.88 800.60 2,68,647.12 45,748.80 25,521.90
31.02.01 31.02.02 31.02.03 29.03 31.03.01 31.03.02	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21 1.21.1 1.21.2	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  I or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet.  TV Antenna socket outlet.  Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm.  Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, Unarmored Telephone cable in the existing surface/ recessed steel/ PVC conduit as required.  2 Pair  Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper	Each Each Each Metre Metre	58 44 6 3198 508	267.00 119.00 119.00 126.00 84.00 90.00	11,310.12 6,931.16 5,292.88 800.60 2,68,647.12 45,748.80
31.02.01 31.02.02 31.02.03 29.03 31.03.01 31.03.02 29.04	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21 1.21.1 1.21.2	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket:- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet.  TV Antenna socket outlet.  Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm.  25 mm.  Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, Unarmored Telephone cable in the existing surface/ recessed steel/ PVC conduit as required.  2 Pair  Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected	Each Each Each Each Metre Metre	58 44 6 3198 508	267.00 119.00 119.00 126.00 84.00 90.00	11,310.12 6,931.16 5,292.88 800.60 2,68,647.12 45,748.80 25,521.90
31.02.01 31.02.02 31.02.03 29.03 31.03.01 31.03.02 29.04	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21 1.21.1 1.21.2	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required. Telephone Socket outlet. TV Antenna socket outlet. Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm.  25 mm.  Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, Unarmored Telephone cable in the existing surface/ recessed steel/ PVC conduit as required.  2 Pair  Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as	Each Each Each Each Metre Metre	58 44 6 3198 508	267.00 119.00 119.00 126.00 84.00 90.00	11,310.12 6,931.16 5,292.88 800.60 2,68,647.12 45,748.80 25,521.90
31.02.01 31.02.02 31.02.03 29.03 31.03.01 31.03.02 29.04	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21 1.21.1 1.21.2	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket:- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.  Telephone Socket outlet.  TV Antenna socket outlet.  Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm.  25 mm.  Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, Unarmored Telephone cable in the existing surface/ recessed steel/ PVC conduit as required.  2 Pair  Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected	Each Each Each Each Metre Metre	58 44 6 3198 508	267.00 119.00 119.00 126.00 84.00 90.00	11,310.12 6,931.16 5,292.88 800.60 2,68,647.12 45,748.80 25,521.90
31.02.01 31.02.02 31.02.03 29.03 31.03.01 31.03.02 29.04	1.27.1 1.27.2 1.24 1.24.6 1.24.7 1.24.8 1.21 1.21.1 1.21.2	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.  1 or 2 Module (75 mm x 75 mm)  3 Module (100mmX75mm)  S/F Modular Type Switch / Socket :- Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required. Telephone Socket outlet. TV Antenna socket outlet. Bell push Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  20 mm.  25 mm.  Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, Unarmored Telephone cable in the existing surface/ recessed steel/ PVC conduit as required.  2 Pair  Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as	Each Each Each Each Metre Metre	58 44 6 3198 508	267.00 119.00 119.00 126.00 84.00 90.00	11,310.12 6,931.16 5,292.88 800.60 2,68,647.12 45,748.80 25,521.90

S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	1.53.1	1 run of cable	Metre	2197	49.00	1,07,673.83
29.07	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as require	Each	6	92.00	584.57
29.07	MR 1	SITC Modular Type Computer jack <b>RJ 45</b> ISI mark 1 Module on existing Mounting plate and box Complete.	Each	88	229.00	20,128.41
		Total of sub-head (29.0) (DSR)				5,40,978.50
		Total of sub-head (29.0) (Non DSR)				20,128.41
30.0		Internal Lighting Fixtures & Fans				
30.01	MR 2	Supply of 20 Watt LED light Wall Mounted BRACKET light fitting Sutaible for 220 volts Single Phase A C Supply complete with all accessories as required.	Each	1	963.00	1,019.82
30.02	MR 3	Supply of Surface Mounted Energy Efficient, LED Luminaires 12W LED DOWN LIGHT (Round) Sutaible for 220v Single Phase Supply complete with driver circuit including making connections etc.as required. (Technical Data - System power 12W, CRI ≥80, Power Factor ≥0.95, System Luminous Efficacy ≥94).	Each	64	896.00	56,931.84
30.03	MR 4	Supply of Surface Mounted Energy Efficient, LED Luminaires 15W LED DOWN LIGHT (Round) Sutaible for 220v Single Phase Supply complete with driver circuit including making connections etc.as required. (Technical Data - System power 15W, CRI ≥80, Power Factor ≥0.95, System Luminous Efficacy ≥94).	Each	37	960.00	35,582.40
30.04	MR 5	Supplying of brass batten/ angle holder including 20 w LED Lamp, connection etc. as required.	Each	478	320.00	1,52,834.88
30.04	MR 5	Supply, of Linear & Compact 10W Mirror Light with Decorative Grey Caps, Polycarbonate Body & Ribbed Opal Diffuser. (Technical Data - System power 10W, CRI ≥80, Power Factor ≥0.95, System Luminous Efficacy ≥100)	Each	1	330.00	349.47
30.05	MR 6	Supply of LED Luminaires BATTEN 40W LED Tube Light of Box Type prewired Indoor Luminaire with Energy Efficient Electronic Ballast, with End Caps Complete as Required. (Technical Data - System power 40W, CRI ≥80, Power Factor ≥0.95, System Luminous Efficacy ≥95)	Each	180	1089.00	1,96,052.67
30.06	MR 7	Supply of LED Luminaires BATTEN 20W LED Tube Light of Box Type Prewired Indoor Luminaire with Energy Efficient Electronic Ballast, with End Caps Complete as Required.(Technical Data - System power 20W, CRI ≥80, Power Factor ≥0.95, System Luminous Efficacy ≥100)	Each	760	459.00	3,49,006.16
30.07	MR 8	Supplying and fixing of Bulk Head with 10 Watt LED lamp fitting Sutaible for 230 volts Single Phase A C Supply complete with all accessories as required.	Each	22	1203.00	26,753.52
		SUPPLY FANS & EXHAUST FANS				
30.07	MR 8	Supply, of following size sweep, BEE 5 star rated, white colour ceiling fan with all accessories i.e. 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, safety pin,nut bolts, washers, , suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.				
		(a) 1200 mm Sweep	Each	472	2151.00	10,15,947.41

		Aangiong in the State of				
S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
30.08	MR9	Supply of following sweep heavy duty metal body exhaust fan/wall fan/ fresh				
		air (ventilating) plastic body fan with guard suitable operation on single phase				
		230 V, 50Hz. AC Supply, with lowers / shutters in the existing opening.				
		(Crompton - Trans Air 300/200mm/Approved Equivalent in Usha/Havells/Bajaj)				
		Usha/Havehs/Bajaj)				
		(a) 200 000 PPM (in all-4i- h-d-)V4il-4i	Nos	20	1252.00	25,191.49
		(a) 200 mm sweep 900 RPM (in plastic body)Ventilating fan fan (b)300 mm sweep 900 RPM (in plastic body)Ventilating fan	INOS	20 55	1870.00	1,02,977.16
		(0)300 mm sweep 700 kt W ( m plastic body) venthating tail		33	1070.00	1,02,777.10
		(c) 300 mm sweep 900 RPM ( In metal body) exhaust fan	Nos	10	2,902.00	27,658.96
		(d) 450 mm sweep 900 RPM (In metal body) exhaust fan	Nos	11	4,576.00	48,459.84
		e) 400 mm sweep oscillating type four speed wall mounting fan	Nos.	3	2,470.00	7,847.19
		Erection Of Lighting Fixtures And Fans				
30.09	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting /	Each	1227	168.00	2,06,200.01
		compact fluorescent fitting of all types, complete with all accessories and				
		tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as				
		required.				
30.10	1.45	Installation, testing and commissioning of ceiling fan, including wiring the	Each	472	203.00	95,879.74
		down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC				
		insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the Fan Box etc. as Required.				
		phonone tallimated shoet 60 fer on the 1 th 2 on 600 the 1 tequined.				
30.11	1.50	Installation of Exhaust/wall fan in the existing opening, including making good				
	1.50.1	the damage, Connection, Testing, Commissioning etc. as Required.  Upto 450 mm sweep	Each	98	363.00	35,750.78
	1.30.1	Opto 450 mm sweep	Eacn	98	363.00	33,/30./8
		S/F modular type electronic fan regulator:				
30.12	1.25	Supplying and fixing Two Module Stepped Type Electronic Fan Regulator on	Each	472	342.00	1,61,531.39
		the existing modular plate switch box including connections but excluding				
		modular plate etc. as required.				
		Fixing Louvers / Shutters for Exhaust Fan:				
30.13	1.51	Extra for Fixing the Louvers/ Shutters Complete with Frame for a Exhaust Fan	Each	50	168.00	8,361.86
		of all sizes.				
		Extra Down GI Pipe 15mm Dia:				
30.14	1.47	Supplying and Fixing Extra Down Rod of 10 cm Length G.I. pipe, 15 mm dia,	Each	472	33.00	15,586.36
		heavy gauge including painting etc. as required. (Note: More than 5 cm length				
		shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored).				
		Total of sub-head (30.0) (Non DSR)				20,46,612.81
		Total of sub-head (30.0) (DSR)				5,23,310.15
		, , , ,				
		ELECTRICAL WORKS (External)				
31.0		Transformer and HT Panel			+	
31.01	MR 1	11KV HT VCB PANEL - IN DOOR TYPE				
		Supplying, installation, testing and commissioning of IN DOOR Type, floor				
		mounting, 11KV HT panel unit made out of M.S sheet steel clad dust and				
		vermin proof with necessary control fuses/MCBs, Termination arrangements			]	
		for Incoming and Outgoing Cable of 3Cx120 Sq.mm Al.HT XLPE cable, and				
		earthed cable, Terminal Blocks, Earthing, Powder coated painting, Sign writing				
I		and Base channels etc. with complete all accessories as required, as per			<u>'</u>	

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S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
		INCOMING:				-
		i) 630Amps, 11kV, 3 phase 50Hz, 21KA / 3Sec, Draw-out type Vacuum				
		Circuit Breaker. fitted with 230V AC spring charging motor, 110V DC tripping and closing coils, 8NO+8NC Aux. conductor mechanical on off				
		indicator, spring charging / discharge Indication, automatic safety shutter and				
		with anti-pumping feature with necessary required accessories.				
		ii) 3 phase 11 KV/110 Volts PT, class 1 accuracy and 100 VA burden with 1				
		No Voltmeter (0-15 kV), Digital type, selector switch for voltmeter and protection fuses for HT metering upto 12 kV on incomer.				
		iii) Dual core dual ratio 3 CTs 400/200/5+5A of 15 VA burden and accuracy				
		class1.0 for metering and class 5P10 for protection.				
		iv) (0-400 A) Ammeter, digital type with selector switch for Ammeter.				
		v) Digital Multifunction Meter. vi) Microprocessor based numerical relay for Over current and Earth fault				
		protection with directional control.				
		vii) Phase indicating lamps with HRC fuses.				
		viii) Indicating lamps to indicate, RYB, ON, OFF, OPEN, CLOSE, TRIP,				
		SPRING CHARGED, TRIP CIRCUIT HEALTHY ix) Test terminal block			+	
		x) Trip/Neutral/close switch				
		xi) Copper bus bar for earthing (common)				
		xii) master trip relay & trip circuit healthy supervision relay.  BusBar:			-	
		BusBar: 630 Amps, 11kV, 50Hz, 3Phase, 25 KA / 3Sec. Copper busbars.				
		The 11KV HT VCB PANEL shall be complete with as per SLD and	set	1	448633.00	4,75,102.35
		specifications.				
31.02	MR 2	11KV TRANSFORMER (11 KV /0.433 KV) (250 KVA)				
31.02	IVIK 2	Supplying, installation, testing and commissioning of 250 kVA, (Energy	set	1	731480.00	7,74,637.32
		efficiency Level -2) 11kV / 433 Volts, 3 phase, 50Hz,vector group Dyn11				.,. ,
		(delta -star connected), Indoor 'ONAN' type, copper wound transformer with				
		OFF load tap changing arrangement on HV side in steps of +/- 2.5%, +/- 5% & +/- 7.5%, on H.V. side with HT cable chamber suitable for Heat shrinkable				
		joint with XLPE cable (cable entry from bottom) and LT connection chamber				
		suitable for connecting Bus duct arrangement and equipped with other essential				
		accessories including providing complete with all fittings, accessories etc. and				
		lifting lugs i/c first filling of filtered dehydrated oil, supplying grouting suitable MS Channel on the plinth for placing the transformer etc., complete				
		and confirming to IS 1180 (Part-1): 2014, level - 2 & section 3 of CPWD				
		General specification for Electrical works (Part -IV Substation 2013 as				
		amended up to date) and as per specifications.				
		(PLEASE NOTE THE TRASNFOREMR SHALL BE IN				
		COMPLINACE WITH NEW REGUALTION IS 1180 or Equivalent IEC				
		Standard FOR LOSSES AND EFFICIENCY and ammended upto date)				
		Total of sub-head (21.0) (Non-DSD)				12 40 730 67
		Total of sub-head (31.0) (Non DSR)				12,49,739.67
32.0		PANELS				
32.01	MR3	EM. SUPPLY PANEL				
		Supply , installation, testing, Design, manufacture, supply inspection, handling,				
		assembling, affecting proper connections, testing and commissioning of				
		1.6/2mm CRCA sheet steel fabricated cubical type Main L.T. Panel floor mounting Extensible Type, dust & vermin proof, front operated construction,				
		enclosure class - IP 42, As per IEC 60439 after proper treatment with 9 tank				
		process with top/bottom removable gland plates, as required, double				
		compression type cable glands, earth bus, hinged and lockable doors to				
		achieve dust and vermin proof complete with all inter connections small wiring by min. 1.5-2.5 sq. mm. FR copper wires, ckt labels etc. The panel				
		feeders shall be suitable for terminating suitable nos. 3.5 / 4 core armoured				
		aluminium cable as required.				
		INCOMING:				
		1 nos. 100A 415V, 4P MCCB of 25kA with thermal magnetic release,				
		overload, short circuit and Earth fault protection.  1 no. 100A 17KA rating Automatic Transfer Switch (ATS)must comply with			+	
	<u></u>	IEC60947-6-1 standards.				
		1 no. Digital type Multifunction Meters to show (V, A, kWh, KVAh, KW,				
	L	KVA, KVAR, PF, Hz.) with cast resin CTs.		L		

		Aanglong in the State of	Assam			
S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
		1 Set of phase indicating lamps with MCB protection.				
		OUTGOING				
		1 nos. 100A 415V, TP MCCB of25 KA with O/L and S/C protection.( For				
		pump set) 6 nos. 63A 4P MCB (For Toilets, commaon areas of School bldg., Both				
		hostels, Kitchen & dining)				
		2 nos. 63A, 4P MCB only Space.				
		1 nos. 40A 415V, 4P MCB of 10kA with 40A 4P Contactor & timer switch .				
		2 nos. 25A 415V, 4P MCB (SPARE)	Each	1	167885.00	1,77,790.22
		()		-		1,//,/90.22
32.02	MR 4	Main LT PANEL				
		NOTE:- MCCB's wherever specified upto 250A shall be Thermal				
		Magnetic & Above 250A will be Microprocessor based inbuilt protections.				
		Suppy, installation, testing, Design, manufacture, supply inspection, handling, assembling, affecting proper connections, testing and commissioning of				
		1.6/2mm CRCA sheet steel fabricated cubical type Main L.T. Panel floor				
		mounting Extensible Type, dust & vermin proof, front operated construction,				
		enclosure class - IP 42, As per IEC 60439 after proper treatment with 9 tank				
		process with top/bottom removable gland plates, as required, double				
		compression type cable glands, earth bus, hinged and lockable doors to				
		achieve dust and vermin proof complete with all inter connections small wiring by min. 1.5-2.5 sq. mm. FR copper wires, ckt labels etc. The panel				
		feeders shall be suitable for terminating suitable nos. 3.5 / 4 core armoured				
		aluminium cable as required.				
		All MCCB's shall be Ics = 100% Icu, with rotary handle & pad locking				
		arrangement. All TP MCCB shall be with heavy duty solid isolable neutral link.				
		The breaking capacity specified for all MCCB's breakers is Ics value (service				
		rating).				
		Each Incoming (ACB/MCCB) shall have ON/OFF/Trip/ LED indication on				
		panel Front door.				
		The incoming MCCB shall be Microprocessor based with inbuilt O/L & S/C				
		release with E/F protection and all Outgoings MCCB's shall be thermal-magnetic based with inbuilt O/L & S/C release.				
		magnetic cused with mount of Dec 5/ c Teledact				
		Incoming From TRANSFORMER 1 (250 KVA) - 1 NOS. (Phase I)				
		Incomer: 1 Nos 400A TP MCCB 36KA with Thermal Magnetic Release				
		1 No. Digital Ammeter 1 No. Digital Voltmeter				
		1 set of 3 CT's of ratio 400/5A, Class 1.0 accuracy 15 VA burden for Metering.				
		, , , , , , , , , , , , , , , , , , ,				
		1 set of 3 CT's of ratio 400/5A, Class 1.0 accuracy 15 VA burden for APFCR.				
		2 Nos. LED Type phase indicating lawns seek lawn shall be with be-law			<del>                                     </del>	
		3 Nos. LED Type phase indicating lamps, each lamp shall be with backup MCB				
		3 Nos. LED Type Indicating lamp for indicating the status of feeder - ON /				
		OFF / TRIP. Each lamp shall be with backup MCB.				
		6A SP 10KA MCB				
		Incoming From DC SET 1 NOS (Phage II) Only Vecant Space for			-	
		Incoming From DG SET - 1 NOS. (Phase II) - Only Vacant Space for future Feeder				
		BUS COUPLER: 1 Nos - Only Vacant Space for future Feeder. It				
		should be positioned in such manner so that all emergency loads and				
		normal loads are separated by separate bus bar chamber in the panel.				
		Interlocking: Electrical as well as Mechanical Interlocking between incomers and bus coupler as per requirement				
		accountry and our coupler as per requirement				
		BUS BAR				
		TPN Aluminium Bus Bars of Minimum 500 Amp with Heat shrinkable				
		coloured sleeves , Shrouds at Joints and including DMC/SMC bus bars				
		supports at required interval complete for cross section, side supports and their				
		spacing etc.			+	
		OUT COINC				
		OUT GOING				

		Aangiong in the State of	rxssam			
S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
		TAL ASSA TRASELANGER (CARACITOR BANEL)				
		1 Nos. 250A, TP 25KA MCCB (CAPACITOR PANEL)				
		1 Nos. 250A, FP 25KA MCCB (TYPE II METER BOARD PANEL)				
		1 Nos. 200A, FP 25KA MCCB (TYPE III METER BOARD PANEL -				
		BLOCK 1)				
		1 Nos. 160A, FP 25KA MCCB (TYPE III METER BOARD PANEL - BLOCK 2)				
		1 No 160 AMP 4P 25KA MCCB (SCHOOL BUILDING PANEL)				
		1 No 125 AMP 4P 18KA MCCB (Spare)				
		1 No 160 AMP 4P 25KA MCCB (FIRE FIGHTING)				
		1 No 100 AMP 4P 18KA MCCB (PLUMBING)				
		1 No 100 AMP 4P 18KA MCCB (EXTERNAL LIGHTING - 1)				
		1 No 100 AMP 4P 18KA MCCB (EXTERNAL LIGHTING - 2)				
		1 No 63 AMP 4P 10KA MCB (GUEST HOUSE DB)				
		1 Nos. 125A, FP 18KA MCCB (BOYS HOSTEL & WARDEN BLOCK				
		PANEL)				
		1 Nos. 125A, FP 18KA MCCB (GIRLS HOSTEL & WARDEN BLOCK				
		PANEL)				
		1 Nos. 100A, FP 18KA MCCB (PRINCIPAL QUARTER PANEL)		<del>                                     </del>		
		1 Nos. 250, FP 25KA MCCB (spare)		-		
		1 Nos. 200, FP 25KA MCCB (spare) 2 Nos. 160, FP 25KA MCCB (spare)		-		
		3 No 63 AMP 4P 10KA MCB (Spare)				
		Spare space for MCCB - 02 Nos.				
		Complete Panel as Above and complete	set	1	457843.00	4,84,855.74
		Complete 1 and as 1150ve and complete	Set	1	137013.00	1,01,055.71
32.03	MR 5	AUTOMATIC POWER FACTOR CORRECTION PANEL				
52.05		(CAPACITOR PANEL) - 90 KVAR				
		Supplying, Installation, Testing and Commissioning of cubicle type capacition				
		panel suitable for 415 & 3 phase 50 HZ A.C. supply System fabricated in				
		design from CRCA Sheet Steel of 2 mm thick for frame work and cover, 3				
		mm thick for gland plates i/c powder coating in approve shade having 200				
		AMP capacity TPN Aluminium bus bar DMC/SMC bus bar supprot entire				
		pannel should have common Al. earth bar for size 50 mm x 5 mm i/c				
		Providing & fixing following switch gear mounting there on fans, grills for				
		propor ventillation complete with gaskets & inner connection i/c connection				
		with existing CTS in the main CT Panel complete as reqd. The panel board				
		shall be of dust and verm proof with degree of protection IP 42)				
		) 250 A TRIMOGRA '1 TH 1 M (' R 1 1 1 (I 100)/				
		a) 250 Amps TP MCCB with Thermal Magnetic Based release (Ics=100%				
		Icu) - 1 No. b) 250A, 4 strip Tinned Aluminium busbar -1 Set				
		c) Micro processor based automatic Power factor control relay i/c power factor				
		metre in 8 steps				
		d) Multi functional meters with suitable CTS and protection MCBS 1 set.				
		e) 3 Nos. Phase indicating light (lamp) with MCBs protection.				
		OUTGOINGS -				
		2 Set - 63A Amp TP MCB 10 KA and Capacitor duly switching contactor for				
		20 KVAR capacity auto mannual selector switch start/stop puch button on/off				
		indicatting lamp with protection MCB & delay timer complete i/c 20 KVAR				
		Normal Duty 440V capacitor bank with inter Connection		[		
				1		
		4 Set -32 Amp TP MCB 10 KA and Capacitor duly switching contactor for 10				
		KVAR capacity auto mannual selector switch start/stop puch button on/off		1		
		indicatting lamp with protection MCB & delay timer complete i/c 10 KVAR		1		
		Normal Duty 440V capacitor bank with inter Connection				
		2 Set - 16 Amp TP MCB 10 KA and Capacitor duly switching contactor for 5				
		KVAR capacity auto mannual selector switch start/stop puch button on/off		[		
		indicatting lamp with protection MCB & delay timer complete i/c 5 KVAR		1		
		Normal Duty 440V capacitor bank with inter Connection				
		Capacitor panel should switch OFF when DG starts. Control wiring		1		
		should be done for it.		1	167702.00	1 77 507 40
		complete panel as above and complete	set	1	167703.00	1,77,597.48
32.04	MR 6	SCHOOL BUILDING MAIN DISTRIBUTION PANEL		<del> </del>		
52.07	1,11( ()	COLOGE BUILDING MAIN DIGITALDUTION LANEE		<del> </del>		
		1			!	

		Aangiong in the State of				
S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
		Design, manufacture, supply, installation, testing and commissioning of				
		cubicle type panel fabricated out of CRCA sheet steel , floor mounted totally				
		enclosed switchbaord suitable for use of 415 volts , 3 phase, 50 HZ complete				
		with aluminium bus bar and all accessories including supply and fixing of				
		following incoming and outgoing switchgears, Panel Should Have Double				
		Earthing Provision which connected to the nearest earth grid.  NOTE:- MCCB's wherever specified upto 250A shall be Thermal Magnetic &				
		Above 250A will be Microprocessor based inbuilt protections.				
		INCOMER : 160 AMP FP MCCB				
		3 Nos. Phase Indication light (lamp) with MCBs protection.				
		Multi functional meters (VAF) with suitable CTS and protection MCBS 1 set.				
		BUS BAR : 200 AMP, 500 Volts, 3 phase 50 HZ 4P high conductivity				
		electrolytic Aluminium bus bar of suitable length, insulated by heat shrinkable				
		sleeves. The current density of bus bar shall be minimum 0.6 sq mm / amp.				
		The Maximum allowable temperature for the Bus bar to be restricted to 90 deg			+	
		C. The temperature rise should be restricted to 45 deg C above ambient				
		temperature.				
		OUT GOINGS :				
		1 No 63 AMP 4P MCB (UPS PANEL)				
		1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 1)				
		1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 2)				
		1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 3)				
		1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 4)				
		1 No 63 AMP 4P MCB (FIRST FLOOR LIGHT + POWER DB 1)				
		1 No 63 AMP 4P MCB (FIRST FLOOR LIGHT + POWER DB 2) 1 No 63 AMP 4P MCB (FIRST FLOOR LIGHT + POWER DB 3)				
		1 No 63 AMP 4P MCB (FIRST FLOOR LIGHT + POWER DB 4)				
		1 No 63 AMP 4P MCB (SECOND FLOOR LIGHT + POWER DB 1)				
		1 No 63 AMP 4P MCB (SECOND FLOOR LIGHT + POWER DB 2)				
		1 No 63 AMP 4P MCB (SECOND FLOOR LIGHT + POWER DB 3)				
		1 No 63 AMP 4P MCB (SECOND FLOOR LIGHT + POWER DB 4)				
		3 No 63 AMP 4P MCB (SPARE)				
		samplete access or above and complete	4	1	71921.00	76,164.34
		complete panel as above and complete	set	1	/1921.00	/0,104.34
32.05	MR 7	UPS PANEL				
		Design, manufacture, supply, installation, testing and commissioning of				
		cubicle type panel fabricated out of CRCA sheet steel , floor mounted totally				
		enclosed switchbaord suitable for use of 415 volts , 3 phase, 50 HZ complete				
		with aluminium bus bar and all accessories including supply and fixing of				
		following incoming and outgoing switchgears, Panel Should Have Double				
		Earthing Provision which connected to the nearest earth grid.  INCOMER: 1 Nos 63 AMP FP MCB (Thru Bypass Switch 10 kva				
		INCOMER : 1 Nos 63 AMP FP MCB (Thru Bypass Switch 10 kva UPS)				
		BUS BAR : 100 AMP, 500 Volts, 3 phase 50 HZ 4P high conductivity				
		electrolytic Aluminium bus bar of suitable length, insulated by heat shrinkable				
		sleeves. The current density of bus bar shall be minimum 06 sq mm / amp.				
		-				
		The Maximum allowable temperature for the Bus bar to be restricted to 90 deg				
		C. The temperature rise should be restricted to 45 deg C above ambient				
		temperature.  OUT GOINGS:				
		1 No 63 AMP DP MCB (GROUND FLOOR UPS DB 1)				
		1 No 40 AMP DP MCB (GROUND FLOOR UPS DB 2)				
		1 No 40 AMP DP MCB (FIRST FLOOR UPS DB 1)				
		I NO 40 AMI DI MCD (FIRSI FLOOR OFS DD 1)			1	
		1 No 40 AMP DP MCB (FIRST FLOOR UPS DB 2)				
		1 No 40 AMP DP MCB (FIRST FLOOR UPS DB 2) 3 No 40 AMP DP MCB (SPARE)				
		1 No 40 AMP DP MCB (FIRST FLOOR UPS DB 2)	set	1	51558.00	54,599.92
32.06	MR 8	1 No 40 AMP DP MCB (FIRST FLOOR UPS DB 2) 3 No 40 AMP DP MCB (SPARE)	set	1	51558.00	54,599.92

		Aanglong in the State of	Assam			
S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
		Design, manufacture, supply, installation, testing and commissioning of				
		cubicle type panel fabricated out of CRCA sheet steel, floor mounted totally				
		enclosed switchbaord suitable for use of 415 volts , 3 phase, 50 HZ complete				
		with aluminium bus bar and all accessories including supply and fixing of				
		following incoming and outgoing switchgears, Panel Should Have Double				
		Earthing Provision which connected to the nearest earth grid.				
		NOTE:- MCCB's wherever specified upto 250A shall be Thermal Magnetic &				
		Above 250A will be Microprocessor based inbuilt protections.				
		INCOMER : 125 AMP FP MCCB  3 Nos. Phase Indication light (lamp) with MCBs protection.				
		Multi functional meters (VAF) with suitable CTS and protection MCBS 1 set.				
		with functional meters (VAI) with suitable C15 and protection WCB5 1 set.				
		BUS BAR : 160 AMP, 500 Volts, 3 phase 50 HZ 4P high conductivity				
		electrolytic Aluminium bus bar of suitable length, insulated by heat shrinkable				
		sleeves. The current density of bus bar shall be minimum 0.6 sq mm / amp.				
		The Maximum allowable temperature for the Bus bar to be restricted to 90 deg				
		C. The temperature rise should be restricted to 45 deg C above ambient				
		temperature.				
		OUT GOINGS:				
		1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 1) 1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 2)				
		1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 2)  1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 3)				
		1 No 63 AMP 4P MCB (FIRST FLOOR LIGHT + POWER DB 1)				
		1 No 63 AMP 4P MCB (FIRST FLOOR LIGHT + POWER DB 2)				
		1 No 63 AMP 4P MCB (FIRST FLOOR LIGHT + POWER DB 3)				
		1 No 63 AMP 4P MCB (SECOND FLOOR LIGHT + POWER DB 1)				
		1 No 63 AMP 4P MCB (SECOND FLOOR LIGHT + POWER DB 2)				
		1 No 63 AMP 4P MCB (SECOND FLOOR LIGHT + POWER DB 3)				
		1 No 63 AMP 4P MCB (WARDEN BLOCK 1 DB)				
		2 Nos. 63 AMP 4P MCB SPARE		1	70015.00	74 145 90
		complete panel as above and complete  NOTE: ONE DB MUST BE USED FOR EMERGENCY SUPPLY ON	set	1	70015.00	74,145.89
		EACH FLOOR				
22.07	MD 0	CIDLE HOSTEL MAIN DISTRIBUTION BOARD				
32.07	MR 9	GIRLS HOSTEL MAIN DISTRIBUTION BOARD				
		Design, manufacture, supply, installation, testing and commissioning of				
		cubicle type panel fabricated out of CRCA sheet steel, floor mounted totally				
		enclosed switchbaord suitable for use of 415 volts , 3 phase, 50 HZ complete				
		with aluminium bus bar and all accessories including supply and fixing of				
		following incoming and outgoing switchgears, Panel Should Have Double				
		Earthing Provision which connected to the nearest earth grid.				
		NOTE:- MCCB's wherever specified upto 250A shall be Thermal Magnetic &				
		Above 250A will be Microprocessor based inbuilt protections.				
		INCOMER: 125 AMP FP MCCB  3 Nos. Phase Indication light (lamp) with MCBs protection.			+	
		Multi functional meters (VAF) with suitable CTS and protection MCBS 1 set.				
		BUS BAR : 160 AMP, 500 Volts, 3 phase 50 HZ 4P high conductivity				
		electrolytic Aluminium bus bar of suitable length, insulated by heat shrinkable				
		sleeves. The current density of bus bar shall be minimum 0.6 sq mm / amp.				
		The Maximum allowable temperature for the Bus bar to be restricted to 90 deg				
		C. The temperature rise should be restricted to 45 deg C above ambient				
		temperature.  OUT GOINGS:			+	
		1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 1)				
		1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 2)				
		1 No 63 AMP 4P MCB (GROUND FLOOR LIGHT + POWER DB 3)				
		1 No 63 AMP 4P MCB (FIRST FLOOR LIGHT + POWER DB 1)				
		1 No 63 AMP 4P MCB (FIRST FLOOR LIGHT + POWER DB 2)	_			
		1 No 63 AMP 4P MCB (FIRST FLOOR LIGHT + POWER DB 3)				
		1 No 63 AMP 4P MCB (SECOND FLOOR LIGHT + POWER DB 1)				
		1 No 63 AMP 4P MCB (SECOND FLOOR LIGHT + POWER DB 2)				
		1 No 63 AMP 4P MCB (SECOND FLOOR LIGHT + POWER DB 3)				
		1 No 63 AMP 4P MCB (WARDEN BLOCK 1 DB) 2 Nos. 63 AMP 4P MCB SPARE	set	1	70015.00	74,145.89
	1	21.05. Of Third in Intell Strate	SCI	<del></del>	,0015.00	77,173.09
		complete panel as above and complete				

NOTE : ONE DB MIST BE USED FOR EMERGENCY SUPPLY  32.08 MR 10 TYPE : II & III STAFF OTES. DISTRIBUTION BOARD  Design, manufactore, supply, insulfation, testing and commissioning of enclosed working and continuous of the continuou					Aangiong in the State of		
NOTE : ONE DB MUST BE USED FOR EMERGENCY SUPPLY  32.08 MR 10 TYPE H.R. HISTAPF CIPES. DISTRIBUTION BOARD Design, runnifications, supply, instillation, testing and commissioning of cibide type pand linkingted out of CRCA sheet seed. How rounded totally excluded strainfort from ed. 45 volls. 2 place, 50 IEZ complete facilities of the control of the co	Amount (In Rs)	Rate (In Rs)	Quantity	Unit	Description	DSR	S. No.
32.08 MR 10 TYPE-IL& III STAFF OTRS, DISTRIBUTION BOARD Dosign, manufacture, supply, instillation, testing and commissioning of cubic-type gene Information of an CRCA sheet sets of, libor mountain totally enclosed switchboord suitable for use of 415 volts, 2 plants, 50 IIZ complete with alumination tos bra and all accessories including supply and fixing of Enthstate of the CRCA sheet sets of the Part Doshids Enthing Provision Medical commencial to the married arch artis.  NOTE-StaCRS wherever specified upor 2504 shall be Thermal Magnetic & Abave 250A will be Microprocessor based inhealt protections.  NECOMER 1 125 AMP PROCES  3 Non-Plase Indication light (lamp with McBs processor. Multi functional meters (VAP) with satisfied CT3 and protection MCB1 5 set.  BIS BAR 2 100 AMP, 500 Volts, 3 plants 50 IIZ 4P high conductivity, descriptive, Analymman base for a similar length, mountainly head shrindable and the state of						2019	
32.08 MR 10 TYPE-IL& III STAFF OTRS, DISTRIBUTION BOARD Dosign, manufacture, supply, instillation, testing and commissioning of cubic-type gene Information of an CRCA sheet sets of, libor mountain totally enclosed switchboord suitable for use of 415 volts, 2 plants, 50 IIZ complete with alumination tos bra and all accessories including supply and fixing of Enthstate of the CRCA sheet sets of the Part Doshids Enthing Provision Medical commencial to the married arch artis.  NOTE-StaCRS wherever specified upor 2504 shall be Thermal Magnetic & Abave 250A will be Microprocessor based inhealt protections.  NECOMER 1 125 AMP PROCES  3 Non-Plase Indication light (lamp with McBs processor. Multi functional meters (VAP) with satisfied CT3 and protection MCB1 5 set.  BIS BAR 2 100 AMP, 500 Volts, 3 plants 50 IIZ 4P high conductivity, descriptive, Analymman base for a similar length, mountainly head shrindable and the state of							
Design							
Design							
32.08 MR 10 TYPE-IL& III STAFF OTRS, DISTRIBUTION BOARD Dosign, manufacture, supply, instillation, testing and commissioning of cubic-type gene Information of an CRCA sheet sets of, libor mountain totally enclosed switchboord suitable for use of 415 volts, 2 plants, 50 IIZ complete with alumination tos bra and all accessories including supply and fixing of Enthstate of the CRCA sheet sets of the Part Doshids Enthing Provision Medical commencial to the married arch artis.  NOTE-StaCRS wherever specified upor 2504 shall be Thermal Magnetic & Abave 250A will be Microprocessor based inhealt protections.  NECOMER 1 125 AMP PROCES  3 Non-Plase Indication light (lamp with McBs processor. Multi functional meters (VAP) with satisfied CT3 and protection MCB1 5 set.  BIS BAR 2 100 AMP, 500 Volts, 3 plants 50 IIZ 4P high conductivity, descriptive, Analymman base for a similar length, mountainly head shrindable and the state of							
32.08 MR 10 TYPE-IL& III STAFF OTRS, DISTRIBUTION BOARD Dosign, manufacture, supply, instillation, testing and commissioning of cubic-type gene Information of an CRCA sheet sets of, libor mountain totally enclosed switchboord suitable for use of 415 volts, 2 plants, 50 IIZ complete with alumination tos bra and all accessories including supply and fixing of Enthstate of the CRCA sheet sets of the Part Doshids Enthing Provision Medical commencial to the married arch artis.  NOTE-StaCRS wherever specified upor 2504 shall be Thermal Magnetic & Abave 250A will be Microprocessor based inhealt protections.  NECOMER 1 125 AMP PROCES  3 Non-Plase Indication light (lamp with McBs processor. Multi functional meters (VAP) with satisfied CT3 and protection MCB1 5 set.  BIS BAR 2 100 AMP, 500 Volts, 3 plants 50 IIZ 4P high conductivity, descriptive, Analymman base for a similar length, mountainly head shrindable and the state of					NOTE : ONE DR MUST RE USED FOR EMERGENCY SUPPLY		
Design, manufactures, apply, installation, testing and commissioning of chicker type agand fabricated out of CRCs Adex steets, floor mounted totally enclosed switchbards statisfied for use of 415 volts, 3 phase, 50 IEZ complete with aluminism bus bar and all accessories including supply and fixing of following incoming and outgoing writelegans, Parel Should Have Double Earthing Provision which connected to the inserted earth and and Above 250A will be Mereprocessor broad invalid and and and and and and and and and an					NOTE: SIVE DE WIEST DE CSED I ON EMENGENCI SCITET		
Dosign, manufactures, supply, installations, testing and commissioning of earliest type ground fisherated not of CRCA shoet steet, flowr mounted totally eachested with alumination has but and all accessories mediang supply and fixing of following incoming and outgoing witchgaers, Panel Should Have Double Larding Privates which connected to the funnest earlier supply and fixing of following incoming and outgoing witchgaers, Panel Should Have Double Larding Privates which connected to the funnest earlier and happens & Above 250A will be Migroprocessor based involving the funnest with the Commission of the C					TYPE -II & III STAFF OTRS. DISTRIBUTION BOARD	MR 10	32.08
onclosed switchbanerd suitable for two of 415 volts, 3 phase, 50 HZ complete with aluminature bus bar and all accessories including supply and fixing of following incoming and oragoing switcheapers, Panel Should Have Double Earthing Provision which connected to the nearest care third.  NOTE: MCCBs wherever specified upto 250a shall be Thermal Magnetic & Abeve 230A will be Microprocessor based inhality protections.  INCOMER: 122 AMF P MCCB.  NECOMER: 122 AMF P MCCB.  INCOMER: 122 AMF P MCCB.  INCOMER: 102 AMF P MCCB with the Market State of							
with aluminism has har and all accessories including surply and fixing of following incoming and outgoing switeleagues. Parel Should Have Double Earthing Provision which connected to the nearest carth arid.  NOTE: MCCRB wherever appetited upto 2500 Aulia but Thermal Magnetic & Above 2500, will be Microprocessor based inbuilt protections.  INCOMER: 122 AMPT PM CCB  3 Nos. Phase Indication light (lump) with MCBs protection. Multi functional meters (VAP) with stubble CTS and protection MCBs 1 set.  BIS BAR: 160 AMP. 500 Yolks, 2 phase 50 HZ. 4P high conductivity electrolyte of the complex of the protection of the protection of the complex of the					cubicle type panel fabricated out of CRCA sheet steel, floor mounted totally		
following incoming and outgoing switchguns, Panel Should Have Double Earthing Provision which connected to the nearest earth girl.  NOTE: MCCBs wherever specified upto 250A shall be Thermal Magnetic & Above 250A will be Microprocessed based inhall protections.  NCOMER : 12 AMP FP MCCB  3 No. Pitas Indication light (unrup) with MCBs protection. Multi functional mours (VAP) with suitable CTS and protection MCBS 142.  But the Comment of the Comment of the Case 142.  General Administration but not suitable length, insulated by heat strindable discores. The current density of but hear shall be minimum 0.6 sq. mm / amp The Maximum allowable temperature of his but not be restricted to 99 deg C. The temperature rise should be restricted to 45 deg C above ambient temperature.  OUT GOINGS:  BY SEASMAN INVEST Research OUT Missual Super)  3 46765.00  MR 11 SYZERAN LIGHT FEEDER PRILARI  Design, Montificator, Supply, Intellitoria. Testing and Commissioning of Panel Febrication of 16 SWG CRCA sheet seed. JP 54, wall / floor mounting type with rain cancey. The sheet steel shall undergo minimum? Intelligence of Panel Febrication of 16 SWG CRCA sheet seed. JP 54, wall / floor mounting type with rain cancey. The sheet steel shall undergo minimum? Intelligence of Panel Febrication of 16 SWG CRCA sheet seed. JP 54, wall / floor mounting type with rain cancey. The sheet steel shall undergo minimum? Intelligence of the sheet seed shall undergo minimum? Intelligence sheet seed shall undergo minimum? Intelligence sheet seed to the sheet seed sheet seed to the sheet seed seed seed seed seed seed seed s					enclosed switchbaord suitable for use of 415 volts, 3 phase, 50 HZ complete		
Earthing Provision which connected to the nearest earth grid.					with aluminium bus bar and all accessories including supply and fixing of		
NOTE: MCCB's wherever specified upto 250A shall be Thermal Magnetic & Above 250A will be Microprocessor based inhulty protections.  NCOMER: 125 AMP FP MCCB  3 Nos Place Indication light (Lamp) with NCBs protection. Multi functional meters (VAF) with suitable CTS and protection MCBs 1 set.  BUS BAR: 160 AMP, 500 Volks, 3 phase 50 Hz. 4P high conductivity electrolytic Aluminium bus bar of suitable length, insulated by heat shrinkable sleeves. The current density for bus bar shall be minimum 0.6 sq mm/ amp  The Maximum allowable temperature for the Bus her to be restricted to 45 dig c above method to 90 dig c. The temperature size should be restricted to 45 dig c above method to 100 Americans.  OUT CONCOLUS.  WITHOUT AMP AMP RESEARCH DISTANCES STATES.  OUT CONCOLUS.  Complete panel as above and complete  Complete panel as above and complete  Design, Mumfacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG CRCA sheet steel, IP 54, wall // floor mounting type with rain canny? The sheet sets elad allu dedgro minimum 7 unk treatment followed by finishing powder coating of min 60 micron thickness. the board incides 415 240 velectrolic Administra Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth Grid.  NCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indeaton, 3 Nos 63A DP MCB for each Phase-with 3 Nos Astronomical Westly programmable time switch (SGT- Initi) ON Phase for automatic and auto model with meanual overrich facility with 1224 hour display format with suitable battery and indication for relay status ic programming at site.  BUS BAR  Thy Aluminium bus bar with bear Shrink Sleeve rated for 125A.  OUT COUNCE  1 nos 40A AP MCCB (SES DB)  1 nos 40A AP MCCB (SES DB)  1 nos 40A DP MCB (GCT DB)  1 nos 40A DP MCB (GCT DB)  1 nos 40A DP MCB (GCT DB)  1 nos 40A AP MCCB (SES DB)  1 nos 40A AP MCCB (SES DB)  1 nos 40A							
Above 250A will be Microprocessor based inbull protections.							
INCOMER   125 AMP FP MCCB   3 Nos. Phase Indication light (Lump) with MCBs protection. Multi functional meters (VAF) with suitable CTS and protection MCBs I set.					1		
3 Nos. Palase Indication light (lamp) with MCIBs protection. Multi functional meters (VAR) with with a timble CTS and protection MCBS 1 set.  BLS BAR : 160 AMP, 500 Volts, 3 phase 50 HZ 4P high conductivity electrolytic Adminishm bus there of satished length, insulated by heat shrinkable sleeves. The current density of bus har shall be minimum 0.5 sq mm / amp The Maximum allowable temperature for the Bus but to be restricted to 90 deg C. The temperature rise should be restricted to 45 deg C above anabient temperature.  OUT COINCS :  128-006 SASMERIPMENT REPORT PILLAR 1  Design. Manufacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG CRCA sheet steel, 1P 34, wall / floor monthing togs with min campy. The sheet sets deall undergo minimum? Thank the board file of the SWG CRCA sheet steel, 1P 34, wall / floor monthing togs with min campy. The sheet sets deall undergo minimum? Thank the board file of the SWG CRCA sheet steel, 1P 34, wall / floor monthing togs with min campy. The sheet sets deall undergo minimum? Thank the board file of the SWG CRCA sheet steel, 1P 34, wall / floor monthing togs with min campy. The sheet sets deall undergo minimum? Thank the board file of the SWG CRCA sheet steel, 1P 34, wall / floor monthing togs with minimum and the sheet of the board file of the SWG CRCA sheet steel, 1P 34, wall / floor monthing togs with minimum and the sheet of the board file of the sheet set sheet set of the sheet set of t							
meters (VAF) with saitable CTS and protection MCBS 1 set:  BIS BAR : 160 AMP, 500 Volts, 3 plases 50 HZ. 4P high conductivity electrolytic Aluminium bus bar of suitable length, insulated by heat shrinkable sleeves. The current density of bus bar shall be minimum 0.6 sq. mm. / amp  The Maximum allowable temperature for the Bus bar to be restricted to 50 deg C. The temperature rise should be restricted to 45 deg C above ambient temperature.  OUT GOINGS:  Nos. 07 ASUP 3P MCB (Greeneth Qrd Discussions)  Outperformed panel on a bow and complete complete panel as above and complete panel as above and complete complete in all respect, Panel Should Have Double Earthing Provision Which Commercial to the Neuroscient spacing for adornation with straight of the Neuroscient with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Commercial to the Neuroscient swith (SST - Limin) ON Plase for automatic switching of landscipe light futures at sun set and sur rise or twilight (auto or auto of and auto mobel with named overried facility with 122-44 hour display format with straight battery and indication for relay status is programmable time swith (SST - Limin) ON Plase for automatic switching of landscape light fixtures at sun set and sur rise or twilight (auto or auto of and auto mobel with manual overried facility with 122-44 hour display format with straight battery and indication for relay status is programming at 1 nos 400 AP DM CB BORE WELL WORKING)  In so 400 AP DM CB BORE WELL WORKING)  In so 400 AP DM CB BORE WELL WORKING)  In so 400 AP DM CB BORE WELL WORKING)  In so 400 AP DM CB BORE WELL WORKING)  In so 400 AP DM CB GROW WELL STAND BY)  In so 400 AP DM CB GROW WELL STAND BY)  In so 400 AP DM CB GROW WELL STAND BY)  In so							
BIS BAR : 160 AMP, 500 Volts, 3 phase 50 HZ 4P high conductivity electrotytic Aleminium bus bur of suitable length, insulated by heat shrinkable sleeves. The current density of bus bus shall be minimum 0.6 sq. mm / amp The Maximum allowable temperature for the Bus but to be restricted to 90 deg C. The temperature rise should be restricted to 45 deg C above ambient temperature.  OUT GOINGS:  1 No. 50 ASM 24 MRGH 1.000 cack Quo Dis and Spore)  2 No. 50 ASM 24 MRGH 1.000 cack Quo Dis and Spore)  3 46763.00  The EXTERNAL LICHIT FEEDER PILLAR I  Design, Manufacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG CRCA sheet steel, IP 54, wall / floor mounting type with rina cannopy. The sheet steel shall undergo minimum 7 tank treatment followed by finishing powder coating of min 60 micron thickness. the board inclodes 415 2240 velectrolite challminimum Bas far, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Neurest Earth Grid.  NCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, 4 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST - limin) ON Plases for automatic writching of Indicase plain firstures at san sea and surn set or thightful (auto on auto off and auto mode) with manual override faicity with 12/24 hour display format with suitable battery and indication for relay status (e programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  1 nos 40A AP MCB BORE WELL WORKING)  1 nos 40A AP MCB BORE WELL WORKING							
electrolytic Altuminium bus bar of suitable length, insulated by heat shrinkable sleeves. The current density of bus bus hall be minimum 0.6 sq. mm/ amp  The Maximum allowable temperature for the Bus bar to be restricted to 90 deg C. The temperature rise should be restricted to 45 deg C above ambient temperature.  OUT GOINGS:  DNESS AMP 2PMCB After each Dut Diss and Source 1.  32.09 MR 11  EXTERNAL LIGHT FEEDER PILLAR 1  Design, Manufacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG GCRA sheet steel, IP 54, wall if Boor mounting type with rain canopy. The sheet steel shall undergo minimum 7 tank treatment followed by Insinishing powder conting of min 60 minorm thiskness, the board includes 415 /240 V electrollic Altuminium Bus Bar, removable gland pilates, cable glanding powder conting of min 60 minorm thiskness, the board includes 415 /240 V electrollic Altuminium Bus Bar, removable gland pilates, cable glands, including commocition with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Commetted to the Neurost Earth Grid.  INCOMER:  1 no. 10AO, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication. *3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time width (SET - Imin) ON Phase for automatic switching of landscape light fixtures at sun set and sun its cort willight (auto on/ auto off and auto mode) with manual override faicility with 12/24 hour display format with suitable battery and indication for early status is programming at situs and so the status of the status in the programming at situs BAB.  DN Altuminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB (GORE WELL VORKING)  1 nos 40A AP MCB (GORE WELL VORKING)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP							
sleeves. The current density of bus bus shall be minimum 0.6 sq. mm / amp The Maximma allowable temperature for the Bus but to be restricted to 90 deg C. The temperature rise should be restricted to 45 deg C above ambient temperature.  OUT GOINGS:  1 No. 50 A.3M.2 at NRG Ror each Quo Dis and Spore)  complete panel as above and complete  22.09 MR 11  EXTERNAL LIGHT FEEDER PILLAR I  Design, Manufacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG GRCA sheet steel, IP 54, wall / floor mounting type with rain canopy. The sheet steel sall undergo minimum? Tank treatment followed by finishing provider coating of min 60 micron thickness, the board includes 415 240 v electrolic challuminum Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Neures Earth Grid.  NCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, 4 No of SAD PMCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST - Imin) ON Phase for automatic writching of landscape light fixtures at sms ead and suries or vibright (auto on auto off and auto mode) with manual override faicility with 1224 hour display format with suitable battery and indication for relay status ic programming at size.  BUS BAR  TPN Alaminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  I nos 400 AP PMCB BORE WELL WORKING)  1 nos 400 AP PMCB BORE WELL STAND BY)  1 nos 400 AP PMCB BORE WELL WORKING)  2 No 10 AP PMCB BORE WELL WORKING)  3 No 10 AP PMCB BORE WELL WORKING AND A P							
The Maximum allowable temperature for the Bus bar to be restricted to 49 90 deg C. The temperature rise should be restricted to 45 deg C above ambient temperature.  OUT GONICS:  Should Start S							
to 90 deg. C. The temperature rise should be restricted to 45 deg. C above ambient temperature.  OUT GOINGS:  3 Yes 65 AMM 48 Will. Her each Ort.Dibs and Stores.  (complete panel as above and complete  32.09  MR 11  EXTERNAL LIGHT FEEDER PILLAR I  Design. Manufacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG CRCA sheet steel, IP 54, wall / floor mounting type with rain enapory. The sheet steel shall undergo minimum? tank treatment followed by finishing powder coating of min 60 micron thickness, the board includes 415 /240 V electrolitic Aluminium Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Comnected to the Neueret Earth Gridt.  NCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, ± 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST. Imin) ON Phase for automate switching of landscape light fixtures at sun set and sun rise or twilight (auto on auto off and auto mode) with manual override facility with 12/24 hour display format with suitable battery and indication for relay status /c programming at site.  BUS BAR  TPN Aluminium bus bur with heat Shrink Sleeve rated for 125A.  OUTGOING  1 no. 40A, DP MCB (CST DB)  1 no. 40A, AP MCB (BORE WELL WORKING)  1 no. 40A, AP MCB (BORE WELL STAND BY)  1 no. 40A, AP MCB (BORE WELL STAND BY)  1 no. 40A, AP MCB (BORE WELL STAND BY)  1 no. 40A, AP MCB (Gore WELL WORKING)  1 no. 40A, AP MCB (Gore WELL WORKING)  1 no. 40A, AP MCB (Gore WELL STAND BY)  1 no. 40A, AP MCB (Gore WELL STAND BY)  1 no. 40A, AP MCB (Gore WELL STAND BY)  1 no. 40A, AP MCB (Gore WELL STAND BY)  1 no. 40A, AP MCB (Gore WELL STAND BY)  1 no. 40A, AP MCB (Gore WELL STAND BY)  1 no. 40A, AP MCB (Gore WELL STAND BY)  1 no. 40A, AP MCB (Gore WELL STAND BY)  1 no. 40A, AP MCB (Gore WELL STAND BY)  1 no. 40A, AP MCB (Gore WELL STAND BY)  1 No. 40A, AP MCB (Gore WELL STAND BY)  1 N							
ambient temperature. OUT COINGS:  Shoo 63 AMP 81 MCI (for each Ort. Dibs and Spare)  32.09  MR 11  EXTERNAL LIGHT FEEDER PILLAR 1  Design, Manufacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG CRCA sheet steel, IP 54, wall / floor mounting type with rain cannopy. The sheet steel shall undergon minimum 7 tank treatment followed by finishing powder coating of min 60 micron thickness, the board includes 415 / 240 V electrolith Aluminium Bas Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Parel Should Have Double Earthing Provision Which Connected to the Nearest Earth Grid.  NCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB for each Phase-with 3 Nos Astronomical Weekly programmable time switch (SST. Imin) ON Phase for automatic switching of landscape light fixtures at smal sea and suri seor of writight (auto on' auto off and auto mode) with manual override faicility with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site.  BUS BAR  TPM Aluminium bas har with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB  1 nos 40A DP MCB (IGT DB)  1 nos 40A DP MCB (IGT DB)  1 nos 40A AP MCB (BORE WELL WORKING)  1 nos 40A AP MCB (BORE WELL WORKING)  1 nos 40A AP MCB (GORE WELL WORKING)  1 nos 40A AP MCB (GORE WELL WORKING)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 nos 40A AP MCB (GORE WELL STAND BY)  1 Set of Countral writing  1 Set of							
12 Nose of AMP-24 McB (Interest) Child Dilas and Spare)   3   46763.00					1		
Complete panel as above and complete					OUT GOINGS:		
32.09 MR 11 EXTERNAL LIGHT FEEDER PILLAR 1  Design, Manufacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG CRCA sheet steel, IP 54, wall / floor mounting type with rain canopy. The sheet steel shall undergo minimum 7 tank treatment followed by finishing powder coating of min 60 micron thickness, the board includes 415 /204 Velectroline Aluminium Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth Grid.  INCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST - Inni) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto or auto off and auto mode) with manual override faicilty with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB (ESS DB)  1 nos 40A DP MCB (ESS DB)  1 nos 40A AP MCB (BORE WELL WORKING)  1 nos 40A AP MCB (BORE WELL STAND BY)  1 nos 40A AP MCB (BORE WELL STAND BY)  1 nos 40A AP MCB (BORE WELL STAND BY)  1 nos 40A AP MCB (BORE WELL STAND BY)  1 stor of designation plates  All Hems complete as above  set 2 87147.00  **Total of sub-head (32.0) (Non DSR)  33.01  **Supply Of LT. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to 15:7098 (Part -1) or as per Relevant IS Code complete with all Amendments etc and should be NABI, ecrified as required.  MR 12 3.5 CX 150 Sqmm Al. XLPE arm.  Meter 42  794.00	1,48,566.05	46763.00	3				
Design, Manufacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG CRCA sheet steel, IP 54, wall / floor mounting type with rain canopy The sheet steel shall undergo minimum? tank treatment followed by finishing powder coating of min 60 micron thickness. the board includes 415 /240 V electrolitic Aluminimum Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth Grid.  INCOMER:  I no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST- Imin) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on auto off and auto mode) with manual override faichity with 12/24 hour display format with suitable battery and indication for relay status i/e programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  Is nos 16A DP MCB  I nos 40A DP MCB (ESS DB)  I nos 40A DP MCB (ESS DB)  I nos 40A AP MCB (BORE WELL WORKING)  I nos 40A AP MCB (BORE WELL WORKING)  I nos 40A AP MCB (BORE WELL WORKING)  I nos 40A AP MCB (BORE WELL STAND BY)  I nos 40A AP MCB (BORE WELL STAND BY)  I nos 40A AP MCB (BORE WELL STAND BY)  I nos 40A AP MCB (BORE WELL STAND BY)  I nos 40A AP MCB (BORE WELL STAND BY)  I Stof of designation plates  All Hems complete as above  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to St. 7098 (Part - 1) or as per Relevant IS Code complete with all Amendments etc.  Total of sub-head (32.0) (Non DSR)  MR 12 3.5 CX 150 Sqmm Al XLPE arm.  Metre  4 294.00  MR 13 3.5 CX 150 Sqmm Al XLPE arm.					complete panel as above and complete		
Design, Manufacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG CRCA sheet steel, IP 54, wall / floor mounting type with rain canopy The sheet steel shall undergo minimum? tank treatment followed by finishing powder coating of min 60 micron thickness. the board includes 415 /240 V electrolitic Aluminimum Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth Grid.  INCOMER:  I no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST- Imin) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on auto off and auto mode) with manual override faichity with 12/24 hour display format with suitable battery and indication for relay status i/e programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  Is nos 16A DP MCB  I nos 40A DP MCB (ESS DB)  I nos 40A DP MCB (ESS DB)  I nos 40A AP MCB (BORE WELL WORKING)  I nos 40A AP MCB (BORE WELL WORKING)  I nos 40A AP MCB (BORE WELL WORKING)  I nos 40A AP MCB (BORE WELL STAND BY)  I nos 40A AP MCB (BORE WELL STAND BY)  I nos 40A AP MCB (BORE WELL STAND BY)  I nos 40A AP MCB (BORE WELL STAND BY)  I nos 40A AP MCB (BORE WELL STAND BY)  I Stof of designation plates  All Hems complete as above  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to St. 7098 (Part - 1) or as per Relevant IS Code complete with all Amendments etc.  Total of sub-head (32.0) (Non DSR)  MR 12 3.5 CX 150 Sqmm Al XLPE arm.  Metre  4 294.00  MR 13 3.5 CX 150 Sqmm Al XLPE arm.						1 m 44	22.00
of Panel Fabricated out of 16 SWG CRCA sheet steel, IP 54, wall / floor mounting type with rain canopy. The sheet steel shall undergo minimum? Tank treatment followed by finishing powder coating of min 60 micron thickness, the board includes 415 /240 V electrolitic Aluminium Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth find.    NOOMER:						MR II	32.09
mounting type with rain canopy. The sheet steel shall undergo minimum 7 tank treatment followed by finishing powder coating of min 60 micron thickness, the board includes 415 /240 V electrolitic Aluminium Bus Bar, removable gland plates, eable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth Grid.  INCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST- Imin) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on/ auto off and auto mode) with manual override faicility with 12/24 bour display format with suitable battery and indication for relay status i/e programming at site.  BUS BAR  TPN Aluminium bus bur with heat Shrink Sleeve rated for 125A.  OUTCOING  18 nos 16A DP MCB  1 nos 40A DP MCB (GSS DB)  1 nos 40A AP MCB (GGT DB)  1 nos 40A AP MCB (GGT DB)  1 nos 40A AP MCB (GGT DB)  1 nos 40A AP MCB (BORE WELL WORKING)  1 nos 40A AP MCB (BORE WELL STAND BY)  1 nos 40A AP MCB (BORE WELL STAND BY)  1 nos 40A AP MCB (BORE WELL STAND BY)  1 nos 40A AP MCB (BORE WELL STAND BY)  1 nos 40A AP MCB (BORE WELL STAND BY)  1 nos 40A AP MCB (BORE WELL STAND BY)  1 set of designation plates  All Items complete as above  set 2 87147.00  Supply Of L.T. Cable:  Supply Of L.T. Cable:  Supply of L.T. Cable and Successories  33.01  Supply Of L.T. Cable:  Supply of C.T. Cable:  Supply of C.T. Cable:  Supply of C.T. Cable:  Supply of C.T. Cable:  MR 12 3.5 C X 150 Sq.mm AL XLPE arm.  Metre 74  924.00  MR 12 3.5 C X 150 Sq.mm AL XLPE arm.  Metre 42  794.00							
treatment followed by finishing powder coating of min 60 micron thickness. the board includes 415 /240 V electrolitic Aluminium Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth field.  INCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST - Imin) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on/ auto off and auto mode) with manual override faicility with 12/24 hour display format with suitable battery and indication for relay status i/e programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB  1 nos 40A DP MCB (ESS DB)  1 nos 40A DP MCB (EGT DB)  1 nos 40A AP MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 set of ontrol wiring  1 Set of designation plates  All Hems complete as above set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.01  Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to 18:7098 (Part - 1) or as per Relevant 1S Code complete with all Amendments etc. and should be NaBL certified as required.  MR 12 3.5 C X 150 Sq.mm Al XLPE arm.  Metre 74  924.00  MR 12 3.5 C X 150 Sq.mm Al XLPE arm.							
the board includes 415 240 V electrolitic Aluminium Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth Grid.  INCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST- Imin) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on auto off and auto mode) with manual override faicitly with 1224 hour display format with suitable battery and indication for relay status i/c programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB  1 nos 40A DP MCB (ESS DB)  1 nos 40A DP MCB (ESS DB)  1 nos 40A P MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (SPARE)  Other items such as  1 Set of centrol wiring  1 Set of designation plates  All Items complete as above  Set 2 87147,00  Total of sub-head (32.0) (Non DSR)  33.01  Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS/7098 (Part -1) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre 42 794.00							
gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth Grid.  INCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST- Imin) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on auto off and auto mode) with manual override faicility with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site.  BUS BAR  TPN Alaminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB  1 nos 40A DP MCB (ESS DB)  1 nos 40A DP MCB (UGT DB)  1 nos 40A 4P MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 set of control wiring  1 Set of designation plates  All Items complete as above  Set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.01  Supply Of LT. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated amnoured cable conforming to IS-7098 (Part -1) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre 42  794.00  MR 13 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre 42  794.00							
complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth Grid.  INCOMER:  1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST- 1min) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on/ auto off and auto mode) with manual override faicitiy with 12/24 hour display format with suitable battery and indication for relay status i/e programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB  1 nos 40A DP MCB (ESS DB)  1 nos 40A DP MCB (ESS DB)  1 nos 40A DP MCB (UGT DB)  1 nos 40A 4P MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (SPARE)  Other items such as  1 Set of control wiring 1 Set of control lyring 1 Set of control lyring 1 Set of designation plates  All Items complete as above  Set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.01  Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS-7098 (Part - 1) or as per Relevant 1S Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre 74  924.00  Metre 42  794.00  Metre 42							
Connected to the Nearest Earth Grid.  INCOMER:  I no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase,with 3 Nos Astronomical Weekly programmable time switch (SST - Imin) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on/ auto off and auto mode) with manual override faicility with 12/24 hour display format with suitable battery and indication for relay status i/e programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  Is nos 16A DP MCB  I nos 40A DP MCB (ESS DB)  I nos 40A DP MCB (UGT DB)  I nos 40A AP MCB (UGT DB)  I nos 40A 4P MCB (BORE WELL WORKING)  I nos 40A 4P MCB (BORE WELL STAND BY)  I nos 40A 4P MCB (SPARE)  Other items such as  I Set of designation plates  All Items complete as above  set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.01  Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS-7908 (Part - 1) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 120 Sq.mm Al. XLPE arm.  Metre 74 924.00  MR 13 3.5 C X 120 Sq.mm Al. XLPE arm.  Metre 74 974.00							
INCOMER:  I no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase.with 3 Nos Astronomical Weekly programmable time switch (SST- Imin) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on/ auto off and auto mode) with manual override faicitiy with 12/24 hour display format with suitable battery and indication for relay status i/e programming at site.  BIS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  I 8 nos 16A DP MCB  I nos 40A P MCB (ESS DB)  I nos 40A P MCB (ESS DB)  I nos 40A P MCB (ESS DB)  I nos 40A P MCB (GPS WELL WORKING)  I nos 40A P MCB (BORE WELL STAND BY)  I nos 40A 4P MCB (BORE WELL STAND BY)  I nos 40A 4P MCB (SPARE)  Other items such as  I Set of control wiring  I Set of designation plates  All Items complete as above  Set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0							
indication, + 3 Nos 63A DP MCB For each Phase.with 3 Nos Astronomical Weekly programmable time switch (SST- 1min) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on' auto off and auto mode) with manual override faichty with 12/24 hour display format with suitable battery and indication for relay status i/e programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB  1 nos 40A DP MCB (ESS DB)  1 nos 40A DP MCB (CIGT DB)  1 nos 40A AP MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (SPARE)  Other items such as  1 Set of designation plates  All Items complete as above  set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0  LT Cable And Accessories  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part -1) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 120 Sq.mm Al. XLPE arm.  Metre 42 794.00  Metre 42 794.00					INCOMER:		
Weekly programmable time switch (SST- Imin) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on/ auto off and auto mode) with manual override faichity with 1224 hour display format with suitable battery and indication for relay status i/c programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB  1 nos 40A DP MCB (ESS DB)  1 nos 40A DP MCB (ESS DB)  1 nos 40A AP MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (SPARE)  Other items such as  1 Set of control wiring  1 Set of control wiring  1 Set of designation plates  All Items complete as above  set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.01  Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 120 Sq.mm Al. XLPE arm.  Metre 74 924.00  MR 13 3.5 C X 120 Sq.mm Al. XLPE arm.  Metre 42 794.00					1 no. 100A, 25KA 4P MCCB with Thermal Magnetic based releases, ON		
switching of landscape light fixtures at sun set and sun rise or twilight (auto on/ auto off and auto mode) with manual override faichity with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB  1 nos 40A DP MCB (ESS DB)  1 nos 40A DP MCB (UGT DB)  1 nos 40A P MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (SPARE)  Other items such as  1 Set of control wiring  1 Set of designation plates  All Items complete as above  Set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0 LT Cable And Accessories  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre 42 794.00  Metre 42 794.00					indication, + 3 Nos 63A DP MCB For each Phase.with 3 Nos Astronomical		
auto off and auto mode) with manual override faiclity with 12/24 hour display format with suitable battery and indication for relay status i/e programming at site.  BUS BAR TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB 1 nos 40A DP MCB (ESS DB) 1 nos 40A DP MCB (ESS DB) 1 nos 40A DP MCB (UGT DB) 1 nos 40A 4P MCB (BORE WELL WORKING) 1 nos 40A 4P MCB (BORE WELL STAND BY) 1 nos 40A 4P MCB (SPARE) Other items such as 1 Set of control wiring 1 Set of designation plates All Items complete as above  Total of sub-head (32.0) (Non DSR)  33.01  Supply Of L.T. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated amoured cable conforming to IS:7098 (Part - 1) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre 42 794.00  Metre 42 794.00					1 7 9		
format with suitable battery and indication for relay status i/c programming at site.  BUS BAR  TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB 1 nos 40A DP MCB (ESS DB) 1 nos 40A DP MCB (ESS DB) 1 nos 40A P MCB (BORE WELL WORKING) 1 nos 40A 4P MCB (BORE WELL STAND BY) 1 nos 40A 4P MCB (SPARE) Other items such as 1 lset of control wiring 1 lset of designation plates All Items complete as above  Total of sub-head (32.0) (Non DSR)  33.0  LT Cable And Accessories  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre  Metre  74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm.  Metre  Metre  Metre  74 924.00 MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre  Metre  74 794.00							
site.  BUS BAR TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING I 8n nos 16A DP MCB I nos 40A DP MCB (ESS DB) I nos 40A DP MCB (UGT DB) I nos 40A 4P MCB (BORE WELL WORKING) I nos 40A 4P MCB (BORE WELL WORKING) I nos 40A 4P MCB (SPARE) Other items such as I Set of control wiring I set of designation plates All Items complete as above Set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0 LT Cable And Accessories  Supply of L.T. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armounded cable conforming to 18:7098 (Part - 1) or as per Relevant IS Code complete with all Amendments ete and should be NABL certified as required.  MR 12 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00 Metre  Metre 42 794.00							
BUS BAR TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB 1 nos 40A DP MCB (ESS DB) 1 nos 40A DP MCB (UGT DB) 1 nos 40A 4P MCB (BORE WELL WORKING) 1 nos 40A 4P MCB (BORE WELL STAND BY) 1 nos 40A 4P MCB (SPARE) Other items such as 1 Set of control wiring 1 Set of designation plates All Items complete as above  Total of sub-head (32.0) (Non DSR)  33.0  LT Cable And Accessories  Supply of L.T. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments et ca and should be NABL certified as required.  MR 12 3.5 C X 120 Sq.mm Al. XLPE arm. Metre  Metre  42 794.00  Metre  74 924.00  Metre  794.00					, , , , , ,		
TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.  OUTGOING  18 nos 16A DP MCB  1 nos 40A DP MCB (ESS DB)  1 nos 40A DP MCB (UGT DB)  1 nos 40A 4P MCB (BORE WELL WORKING)  1 nos 40A 4P MCB (BORE WELL STAND BY)  1 nos 40A 4P MCB (SPARE)  Other items such as  1 Set of control wiring  1 Set of designation plates  All Items complete as above  Set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.01  Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre 74  924.00  MR 13 3.5 C X 120 Sq.mm Al. XLPE arm.  Metre 42  794.00							
OUTGOING  18 nos 16A DP MCB 1 nos 40A DP MCB (ESS DB) 1 nos 40A DP MCB (UGT DB) 1 nos 40A AP MCB (BORE WELL WORKING) 1 nos 40A 4P MCB (BORE WELL STAND BY) 1 nos 40A 4P MCB (SPARE) Other items such as 1 Set of control wiring 1 Set of designation plates All Items complete as above  Set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0 LT Cable And Accessories Supply of L.T. Cable: Supply of Pollowing Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre 42 794.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00							
18 nos 16A DP MCB 1 nos 40A DP MCB (ESS DB) 1 nos 40A DP MCB (UGT DB) 1 nos 40A 4P MCB (BORE WELL WORKING) 1 nos 40A 4P MCB (BORE WELL STAND BY) 1 nos 40A 4P MCB (SPARE) Other items such as 1 Set of control wiring 1 Set of designation plates All Items complete as above set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.01 Supply Of L.T. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - 1) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required. MR 12 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00							
I nos 40A DP MCB (ESS DB)							
I nos 40A DP MCB (UGT DB) I nos 40A 4P MCB (BORE WELL WORKING) I nos 40A 4P MCB (BORE WELL STAND BY) I nos 40A 4P MCB (SPARE) Other items such as I Set of control wiring I Set of designation plates All Items complete as above  Total of sub-head (32.0) (Non DSR)   Supply Of L.T. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00							
1 nos 40A 4P MCB (BORE WELL WORKING) 1 nos 40A 4P MCB (BORE WELL STAND BY) 1 nos 40A 4P MCB (SPARE) Other items such as 1 Set of control wiring 1 Set of designation plates All Items complete as above set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0 LT Cable And Accessories  Supply of L.T. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre Me							
1 nos 40A 4P MCB (SPARE) Other items such as 1 Set of control wiring 1 Set of designation plates All Items complete as above set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0 LT Cable And Accessories  Supply Of L.T. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre							
Other items such as  1 Set of control wiring 1 Set of designation plates All Items complete as above  Set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0 LT Cable And Accessories  Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre 42 794.00	· ·						
1 Set of control wiring 1 Set of designation plates All Items complete as above set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0 LT Cable And Accessories  33.01 Supply Of L.T. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00							
1 Set of designation plates All Items complete as above set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0 LT Cable And Accessories  33.01 Supply Of L.T. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00							
All Items complete as above set 2 87147.00  Total of sub-head (32.0) (Non DSR)  33.0 LT Cable And Accessories  33.01 Supply Of L.T. Cable: Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00							
Total of sub-head (32.0) (Non DSR)  33.0 LT Cable And Accessories  33.01 Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00	1.04.555.25	07147.00	2				
33.01 Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm.  Metre 42 794.00	1,84,577.35	8/14/.00	2	set	All Items complete as above		
33.01 Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm.  Metre 42 794.00	14.52.442.00				Total of sub-boad (22.0) (Nov. DCD)		
33.01 Supply Of L.T. Cable:  Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00	14,52,442.86				Total of Sub-nead (52.0) (Non DSK)		
Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm.  Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm.  Metre 42 794.00					LT Cable And Accessories		33.0
Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12 3.5 C X 150 Sq.mm Al. XLPE arm. Metre 74 924.00 MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00							
Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.  MR 12  3.5 C X 150 Sq.mm Al. XLPE arm. Metre 74 924.00  MR 13  3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00							55.01
IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.    MR 12   3.5 C X 150 Sq.mm Al. XLPE arm.   Metre   74   924.00		1			117 6		
etc and should be NABL certified as required.         Metre         74         924.00           MR 12         3.5 C X 150 Sq.mm Al. XLPE arm.         Metre         74         924.00           MR 13         3.5 C X 120 Sq.mm Al. XLPE arm.         Metre         42         794.00		1					
MR 12     3.5 C X 150 Sq.mm Al. XLPE arm.     Metre     74     924.00       MR 13     3.5 C X 120 Sq.mm Al. XLPE arm.     Metre     42     794.00							
MR 13 3.5 C X 120 Sq.mm Al. XLPE arm. Metre 42 794.00	68,496.12	924.00	74	Metre		MR 12	
	33,633.84				•		
Metre   908   638.00	5,79,025.19	638.00	908	Metre	3.5 C X 95 Sq.mm Al. XLPE arm.	MR 14	
MR 15 3.5 C X 70 Sq.mm Al. XLPE arm. Metre 1153 507.00	5,84,698.26						
MR 16 3.5 C X 50 Sq.mm Al. XLPE arm. Metre 338 377.00	1,27,358.52	377.00	338			MR 16	

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019	·			, , ,	
	MR 17	3.5 C X 35 Sq.mm Al. XLPE arm.	Metre	410	292.00	1,19,671.24
	MR 18	3.5 C X 25 Sq.mm Al. XLPE arm.	Metre	129	236.00	30,490.73
		on one 20 squam rate 22 squam	1,1000	129	230.00	30,130173
33.02	DSR 7 DSR 7.1	Laying of One Number PVC Insulated And PVC Sheathed / XLPE Power				
33.02	DSK 7.1	Cable of 1.1 kV Grade of Following Size Direct in Ground Including				
		Excavation, Sand Cushioning, Protective Covering and Refilling the Trench				
	DSR7.1.1	etc. as required. Upto 35 sq. mm	Metre	238	323.00	76,962.83
	DSR 7.1.2	Above 35 sq. mm and upto 95 sq. mm	Metre	1026	338.00	3,46,845.80
	DSR 7.1.2 DSR 7.1.3	Above 95 sq. mm and upto 95 sq. mm Above 95 sq. mm and upto 185 sq. mm	Metre	70	352.00	24,602.69
						,
33.03	DSR 7.2	Laying of one number additional PVC insulated and PVC				
		sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including				
		excavation, sand cushioning, protective covering and refilling the trench etc as				
	DCD 7.2.2	required. Above 35 sq. mm and upto 95 sq. mm	Matas	647	226.00	1 52 702 56
	DSR 7.2.2	Above 33 sq. mm and upto 93 sq. mm	Metre	647	236.00	1,52,703.56
33.04	DSR 7.3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable				
		of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and				
		protective covering.				
	DSR 7.3.1	Upto 35 sq. mm	Metre	274	167.00	45,804.93
	DSR7.3.2	Above 35 sq. mm and upto 95 sq. mm	Metre	413	181.00	74,754.81
33.05	DSR 7.5	Laying of one number PVC insulated & PVC sheathed/ XLPE Power cable of 1.1 KV grade of following size in the existing RCC/HUME/METAL pipe as				
		required.				
	DSR 7.3.1	Upto 35 sq. mm	Metre	16	31.00	492.44
	DSR 7.5.2	Above 35 sq. mm and upto 95 sq. mm	Metre	281	47.00	13,189.85
	DSR 7.5.3	Above 95 sq. mm and upto 185 sq. mm	Metre	23	64.00	1,491.07
22.06	Don 7.7	I i la				
33.06	DSR 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.				
	DSR 7.7.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Metre	11	39.00	413.01
	DSR 7.7.3	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Metre	32	104.00	3,304.08
	DSR 7.7.3	Above 95 sq. mm and upto 185 sq. mm (clamped with	Metre	23	122.00	2,842.36
		25/40x3mm MS flat clamp)				
33.07	DSR 9 DSR 9.1	LT CABLE JOINTING & END TERMINATION Supplying and Making End Termination With Brass Compression Gland and				
33.07	D3K 9.1	Aluminium lugs for Following Size of PVC Insulated and PVC Sheathed /				
		XLPE Aluminium Conductor Cable of 1.1 kV Grade as Required.				
	DSR 9.1.20 DSR 9.1.21	3½ X 25 sq. mm (28mm) 3½ X 35 sq. mm (32mm)	Each Each	6	250.00 300.00	529.50 1,906.20
	DSR 9.1.21	3½ X 50 sq. mm (35mm)	Each	2	329.00	696.82
	DSR 9.1.23	3½ X 70 sq. mm (38mm)	Each	15	368.00	5,455.97
	DSR 9.1.24 DSR 9.1.25	3½ X 95 sq. mm (45mm) 3½ X 120 sq. mm (45mm)	Each Each	2 2	473.00 489.00	1,001.81 1,035.70
	DSR 9.1.26	3½ X 150 sq. mm (50mm)	Each	6	555.00	3,526.47
		T.4.1.6 k.k				15 42 252 00
		Total of sub-head (33.0) (Non DSR)				15,43,373.89
		Total of sub-head (33.0) (DSR)				7,57,559.89
34.0		HT Cable And Accessories				
34.01	MR 19	Supply of H.T. Cable  Supply 6. Testing of following 11 KV// UE) grade multisors Aluminium				
		Supply & Testing of following 11 KV( UE) grade multicore Aluminium conductor XLPE insulated cable, insulation screening with extruded semi				
		conducting compound in combination with copper tape armoured cores laid				
		up, inner sheath of PVC tape, galvanised steel flat strip armoured and overall				
		PVC sheathed cable conforming to IS: 7098 (Part - II) and complete with all latest amendments etc. complete as required.				
		3 C x 120 Sq. mm 11 KV (UE)	Metre	53	1328.00	70,317.60

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
5. 110.	2019	Description	Cint	Quantity	Kate (III Ks)	Amount (m Ks)
34.02	DSR 8	H.T. Cable Laying-DSR Item				
	DSR 8.1	H V CABLE LAYING				
	DSR 8.1.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size direct in ground including excavation, sand				
		cushioning, protective covering and refilling the trench etc as required.				
	DSR 8.1.2	Upto 120 sq. mm	Metre	53	438.00	23,192.10
	DSR 10.1	H.T Termination: DSR Item				
34.03	DSR 10.1	Supply and making Indoor cable end jointing with cast resin compund,				
		including lugs and other jointing materials for following size of 3 core, XLPE				
		aluminium conductor cable of 11KV (UE) grade as required.				
	10.1.1	3 C x 120 Sq.mm (11KV UE)	Sets	3	2398.00	7,618.45
34.04	DSR 10.2	Supply and making Outdoor cable end jointing with cast resin compund,				
5	2511 10.2	including lugs and other jointing materials for following size of 3 core, XLPE				
		aluminium conductor cable of 11KV (UE) grade as required.				
	10.2.2	3 C x 120 Sq.mm (11KV UE)	Sets	1	5143.00	5,446.44
		Total of sub-bond (24.0) (Non-DCD)				70 217 (0
		Total of sub-head (34.0) (Non DSR)				70,317.60
		Total of sub-head (34.0) (DSR)				36,256.98
35.0	DSR 2	Miscellaneous Items - DSR				
35.01	2.21	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of	Nos.	13	226.00	2,872.01
		mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and				
25.02	2.22	with inscription in single red colour on front side as required.	27	2	244.00	516.50
35.02	2.22	Providing and fixing H.T. danger notice plate of 250 mm X 200 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and	Nos.	2	244.00	516.79
		with inscription in single Red colour on front side as required.				
35.03	7.90	Supplying and making cable route marker with cement concrete 1:2:4 (1	Each	5	530.00	2,806.35
		cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ) of size				
		60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of				
35.04	7.10	10cm including inscription duly engraved as required.  Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick	Each	5	383.00	2,027.99
	,,,,,	G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6				_,,_,,,
		mm angle iron, 60 cm long and fixing the same in ground as required.				
		Miscellaneous Items - MR Items				
25.05	160.00		3.7		455.00	0.62.60
35.05	MR 20	SITC of <b>shock treatment chart</b> (prescribed under I.E.rules) duly framed with glass and supported from back with hard board with supply of all material	Nos.	2	455.00	963.69
		labour T & P etc for proper completion of work. (Approx front area = 1.20 sq				
		M)				
35.06	MR 21	SITC of First aid box as approved by Indian red cross conforming to IS: 2217.	Nos.	2	334.00	707.41
35.07	MR 22	SITC of Fire Bucket stand made of M S angle suitable for and with 4 Nos Fire	Set	2	3277.00	6,940.69
33.07	WIK 22	Buckets of 9.5 Ltrs capacity filled with	Set	2	3277.00	0,940.09
35.08	MR 23	SITC of of rubber gloves of 11 KV grade as per IS : 4770.	Set	2	428.00	906.50
35.09	MR 24	Supplying and fixing of high voltage insulation mat of class B having 11 KV	Metre	1	3650.00	3,865.35
		dielectric strength, 1000mm width and thickness of 2.5mm ISI approved as				
35.10	MR 25	required including cutting to required lengths.  Supplying and fixing of high voltage insulation mat of class B having 1.1 KV	Metre	3	2475.00	7,863.08
33.10	WIK 25	dielectric strength, 1000mm width and thickness of 2.0 mm ISI approved as	ivicue		2475.00	7,803.00
		required including cutting to required lengths.				
		Total of sub-head (35.0) (DSR)				8,223.14
		Total of sub-head (35.0) (Non DSR)				21,246.72
36.0	DSR 5	Earthing				
26.01	E 1	Fourthing with G.I. couth plots 600 arm V 600 at V 6 411111	G-1	20	6216.00	1.04.216.02
36.01	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	Set	30	6216.00	1,84,316.83
		arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and				
		<u> </u>	l		1	

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019			Carry		
36.02	5.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking	Set	4	11794.00	49,959.38
	5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm 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	2	5308.00	11,242.34
36.03	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	281	206.00	57,810.81
36.04	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	191	37.00	7,052.94
36.05	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Metre	42	1009.00	42,741.24
	5.12	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	Metre	21	188.00	3,981.84
		Total of sub-head (36.0) (DSR)				3,57,105.39
37.0	DSR 11	Pole Erection				
37.01	11.3	Erection of metallic pole of following length in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.				
37.02	11.3.1 11.6	Above 4.5 metre and upto 6.5 metre  Supplying and embedding following dia G.I. pipe (medium class) in pole	Each	66	4492.00	2,94,935.74
37.02		collar/ foundation (during easting) for cable entry including bending the pipe to the required shape, Hole Seeling to be done complete as required.				
	11.6.1	32 mm dia	Metre	524	324.00	1,69,842.42
		Total of sub-head (37.0) (DSR)				4,64,778.16
38.0		External Lighting System				
38.01	MR 26	Supply, Installation, Testing & Commissioning of Integrated Post Top Lantern With 45W LED Lamp including suitable size dia G.I.Pipe Pole i/c connection with 3 x 2.5 sq.mm single core PVC insulated copper conductor cable from junction box to fixture as required.	Nos.	2	5398.00	11,432.96
38.02	MR 27	Supply, Installation, Testing & Commissioning of 60 W LED with complete with pot optic reflector i/c connection with 3x2.5sq.mm single core PVC insulated copper conductor cable from junction box to fixture as required	Nos.	41	3918.00	1,61,817.32
38.03	MR 28	Building Outer Light (60W LED):- Supply, fitting, fixing and testing of building outer lighting luminaire aerodynamically shaped single piece pressure die-cast Aluminum luminaire with high power LEDs as light source and electronic driver (IP66), along with 60W LED Lamp as Energy saving as per drawing prescribed reflector and heat resistant toughened flat glass cover, with 5ft long 40mm dia G.I. pipe with 3 Nos. of iron clamps, anchor nut bolts with double washers as per direction of E/I or consultant as per drawing prescribed reflector and heat resistant toughened flat glass cover. (Make:-Philips/Trilux/Hevells-Endura Pearl Neo/Wipro.	Each	19	5030.00	95,881.86
38.04	MR 29	Supply, Installation, Testing and Commissioning of 200x160x98 (KVPC) Polycarbonate thermoplastics enclosure - junction box with LP - 65 Protection with Terminals & cable hinged cover of approved design complete having gasket of internally embedded & made of polyeutherene & should be weather proof, rust proof, dust proof, water proof - box shall be tested as per IEC - 60670-2/60670-22. the box shall have self threaded holes & provision for mounting din rail. with 2 Nos cable gland including supplying & fixing crimping 2 nos lugs & 1 nos 32A connector 6 way for looping the incoming & outgoing cables and also connection of the street light one 6A SP MCB Including Connection of 2x6 sqmm Cable etc as Required.	Nos.	87	1270.00	1,10,284.26

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019			,		, ,
38.05	MR 30	Supply of Single bracket type GI sewaged tubular pole of 6 Metre Pole		37	10399.00	3,85,438.94
		(Above Ground) with Top-70 mm, bottom-135 mm, Base Plate 220x220x12 mm, PCD-225 mm, Foundation Bolts-M20X700 - 4 Nos., Single arm Bracket -				
		1 mtr long, with 48.3 mm OD pipe suitable for LED fitting. The pole shall be				
		provided with suitable base plate arrangement for fixing on pedestal and				
		looping box complete with MCB, brass connectors etc complete as required. The street lighting pole shall be in accordance with IS 2713. (For Road Street				
		Light - 20				
38.06	MR 31	Supply of Double bracket type GI sewaged tubular pole of 6 Metre Pole		2	10929.00	23,147.62
		(Above Ground) with Top-70 mm, bottom-135 mm, Base Plate 220x220x12		_		
		mm, PCD-225 mm, Foundation Bolts-M20X700 - 4 Nos., Double arm Bracket - 1 mtr long, with 48.3 mm OD pipe suitable for LED fitting. The pole				
		shall be provided with suitable base plate arrangement for fixing on pedestal				
		and looping box complete with MCB, brass connectors etc complete as				
		required. The street lighting pole shall be in accordance with IS 2713. (For Road street light)				
38.07	MR 32	Supply of 40 Watt (>160 lm/w efficacy) All in one HYBRID TYPE LED Solar street light luminaire having IP65 Protection in aluminium housing,		26	37500.00	9,92,812.50
		100 Wp or more monocrystline solar panel,maintenance free 12.8 volt 36AH				
		Li Fe PO4 battery ,BMS,MPPT Charge controller ,PIR sensor to provide 24				
		hrs back up complete with all associated accessories as per manufacturer design etc complete as required. (School Bldg., Boys & Girls Hostels, Type				
		II Qtrs = 08 nos ( 2 each), Both Warden Res., Principal Res - 03 nos. ( 1				
		each), Type III Qtrs= 04 nos., Internal roads = 10 nos.).				
38.08	MR 33	Supplying of Following sizes 1100 volt grade XLPE insulated PVC sheathed				
		aluminium conductor armoured cables as per specification in existing laid in				
		ground including cost of digging upto required depth, 150 mm sand all around the cable, brick protection and back filling, clamped to wall with suitable				
		clamps including saddles fixing bolts, Connection Testing and commissioning				
		as Required.				
		a) 2x6 sqmm	Metre	3648	101.00	3,68,473.76
		Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of size up to 35 sq. mm				
38.09	7.3.1	(a) direct in ground including excavation and refilling the trench etc. as	Metre	2621	167.00	4,37,711.18
	7.7.1	required, but excluding sand cushioning and protective covering.  (b) On Surface	Metre	609	39.00	23,748.08
38.10	7.5.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable				
		of 1.1 kV grade of following size in the existing RCC/ HUME/ METAL pipe				
		as required. Upto 35 sq. mm	Metre	418	31.00	12,967.46
38.11		Supplying and laying of following size DWC HDPE pipe ISI marked along				
30.11		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,				
	14.15.1	complete as required. 63 mm dia (OD-63 mm & ID-51 mm nominal)	Metre	159	109.00	17,314.65
		Total of sub-head (29 ft) (DCD)				4.01.741.36
		Total of sub-head (38.0) (DSR) Total of sub-head (38.0) (Non DSR)				4,91,741.36 21,49,289.21

	Aanglong in the State of Assam							
S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)		
	2019							
20.0		Haller and Dr. and C. and Alberta						
39.0 39.01	MR 34	Uninterrupted Power Supply (UPS) - 10 kVA Supply of 10 kVA Online UPS, IGBT UPS (Transformer-less Design).						
37.01	WIIC 54	Supply of SMF Batteries (12Volt VRLA, 26 Ah, 40 Numbers or as per						
		standard Nos to provide 30 Minutes Backup in total for 10 kVA UPS at						
		0.8PF and ECV=1.7V.						
		Fully rated Inbuilt static switch at the inverter output and 100% rated Inbuilt						
		static switch at the static bypass line integrated in UPS module.  Supply of Local Accessories (like Cabling Between UPS and the Battery						
		onsidering Cable Routing ,Battery Interlinks ,Battery Rack etc).						
		Backfeed protection at Mains & Bypass (Inbuilt / External).						
		Installation and Commissioning of 10 kVA UPS, Battery and Accessories.	set	1	218204.00	2,31,078.04		
39.02	MR 35	Supply, installation, testing and commissioning 63A FP MCB of 10kA	set	2	3459.00	7,326.16		
37.02	WIK 33	breaking Capacity in metal sheet enclosure with ON/OFF, TYB Indication	Set	2	3437.00	7,320.10		
		lamps for Incoming of UPS Complete in All Respect as Required.						
		Total of sub-head (39.0) (Non DSR)				2,38,404.20		
40.0	1 (D. 2 (	71.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.						
40.0	MR 36	Lightening Arrester System For Transformer  Supply, Installation, Testing & Commissioning of Lightening Arrester HT-12	Each	3	4007.00	12,730.24		
		kV expulsion type complete with all Fitting transission class discharge capacity	Eacii	,	4007.00	12,/30.24		
		10 kA complete all as as specified						
		Total of sub-head (40.0) (Non DSR)				12,730.24		
41.0		Pumps (Non Scheduled Items)						
41.01	MR 37	Borewell Submersible Pump	Set	2	58620.00	1,24,157.16		
41.01	IVIK 57	Supplying & Installation of suitable borewell submersible pump set coupled	Set	2	38020.00	1,24,137.10		
		with 6" motor and complete with lowering in existing borewell with the help of						
		chain pulley block including supplying and fixing motor starter suitable for the						
		selected pump complete as required.( Note : The suction/delievery pipe lines						
		are not included in this item ) Flow Rate : 350 to 400 LPM						
		min. Head : 60 M						
		Min. Motor HP: 7.5 H.P.						
41.02	MR 38	Supplying and Fixing of PVC covered 6 mm dia flexible steel rope for	Metre	318	59.00	18,744.30		
		handling/protecting the submersible Pump set including U-lock arrangement						
		etc. complete as required.						
41.03	MR 39	Supplying and Fixing of suitable size of MS clamp set suitable for holding	Each	4	735.00	3,113.46		
11.05		submersible pump & 40 mm dia pipe assembly lowered in bore well including	Lucii	'	755.00	3,113.10		
		suitable drilled hole and nut bolts etc. complete as required.						
41.04	MR 40	Supplying and Fixing of following size of PVC insulated PVC sheathed						
		Copper conductor flat submersible cable including fixing the cable with nylon tie along with GI pipes in existing borewell, connection with submersible						
		pump cable with the help of water proof jointing kit provided with the pump,						
		complete as required.						
		(a) 3 x 2.5 sqmm	Metre	307	124.00	38,081.64		
		C/Eining of 9 !! die MC opyre midd leebier eener ( '/ 1'B' 1 1 1		2	1040.00	2 202 72		
		S/Fixing of 8 " dia MS cover with locking arrangement i/c drilling hole and s/f nut bolts etc. complete as reqd.			1040.00	2,202.72		
41.05	MR 41	Openwell Submersible Monobloc Pump Set	Set	2	54238.00	1,14,876.08		
		S.I.T.C. of 7.5/5.5 (H.P./Kw) Openwell Submersible Monobloc Pump Set						
		comprising of Electrical Driven inline pumping with all accessories as per						
		manufacturer's design. such as C.I. Base, S.S /bronze impeller, shaft, mechanical seal, S.S. Shaft directly coupled to motor suitable for operation on						
		400/440 volts, 3 phase 50c/s A.C.Supply complete in the existing G.I.Pipelines						
		fittingsi/c s/fixing motor starter suitable for this pump set i/c connections						
		testing, commissing etc as reqd. ( Note : The suction/delievery pipe lines are						
		not included in this item )						
					<del>                                     </del>			
		testing, commissing etc as reqd. ( Note : The suction/delievery pipe lines are						

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019					
		Total of sub-head (41.0) (Non DSR)				3,01,175.36
		Total of Sub-ficau (41.0) (10ff DSK)				3,01,173.30
42		CCTV SYSTEM				
42.01	1.53	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing				
	1.52.1	surface/ recessed Steel/ PVC conduit as required.	Mt	1202	40.00	(2.925.02
	1.53.1	1 run of cable	Mtr.	1303	49.00	63,825.93
42.02	1.21	Supply and fixing of following sizes of medium class PVC conduit along				
		with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required:				
	1.21.2	25 mm	Mtr.	630	90.00	56,709.45
42.03	MR 42	1/2 9" Pro	Each	8	6488.00	54,966.34
42.03	WIK 42	1/2.8" Progressive Scan CMOS, PAL:1920 * 1080, 0.1 Lux/ F1.2 (0Lux, IR ON), 10~15 Meters (With Min. 24 units IR LED), 2 MP Fixed IR DOME	Eacn	8	0488.00	34,900.34
		CAMERA With Options Of 2.8mm , 4mm , 6mm Lens , IP66 , POE with				
		installation. (For Substation-2, At each hostel Gate-1, Kitchen in each hostel-2)				
12.01	100.42	1/2 0 II D	Б. 1	10	6400.00	1.16.002.46
42.04	MR 43	1/2.8" Progressive Scan CMOS, PAL:1920 * 1080, 0.1 Lux/ F1.2 (0Lux, IR ON), 10~15 Meters (With Min. 24 units IR LED), 2 MP Fixed IR Bullet	Each	18	6488.00	1,16,803.46
		CAMERA With Options Of 2.8mm , 4mm , 6mm Lens , IP66 , POE with				
		installation. (For Main Gate-2, School-7, Boys Hostel-2, Girls Hostel-2, Kitchen in each				
		hostel-2)				
42.05	MR 44	Supplying, installation, fixing, testing and commissioning of 16 ch Linux, H.	Each	4	28413.00	1,20,357.47
	1,110	264 / H.265 NVR with Minimum 1080p / UXGA / 720p / VGA / 4CIF / DCIF			20.13.00	1,20,55,117
		/ 2CIF / CIF / QCIF rec. resolutions, 4 HDD slot supports upto 4 TB Each, RS 485 x 1 & USB2.0 x1, HDMI ,Local And Remote Access Over Internet In				
		complete in all respect with installation (Make: - CP PLUS, Dahua, Hikvision				
		or equivalent ) (For School, Main Gate, Substation-1., Bosy hostel-1, Girls hostel-1)				
42.06	MR 45	4 TB Surveillance Sata HDD (WD Purple , Seagate Surveillance or Equivalant)	Each	1	10526.00	11,147.03
42.07	MR 46	16 Port POE Switch (Cisco , Netgear , Dlink or Equivalant)	Each	1	17716.00	18,761.24
42.08	MR 47	Supply, installation, testing and commissioning of Independent 1 kVA UPS	Each	3	28899.00	91,812.12
		system with 230V single phase input and 230V Single phase output with all				
		required accessories & battery bank for 30 mins back up with covered SMF battery and battery rack for all new required loads covered as required,				
		including connections as per specifications etc. complete as required.				
		(for Server and CCTV - Boyshostel-1, Girls hostel-1, School-1).				
42.09	MR 48	S.I.T.C.32" Color flat panel LED Monitor, Full HD Professional Series 1920 x	Each	3	21743.00	69,077.51
		1080 resolution, inputs. 100-230VAC/50 Hz.  Total of sub-head (42.0) (DSR)				1,20,535.38
		Total of sub-head (42.0) (Non DSR)				4,82,925.18
42		LICHTNING CONDUCTOR				
43		LIGHTNING CONDUCTOR				
43.01	6.2	Providing and fixing of lightning conductor finial, made of 25mm dia 300mm	Each	34	448.00	15,181.82
		long, G.I tube, having single prong at top with 85mm dia 6mm thick G.I base plate including holes etc. complete as required.				
43.02	6.7	Providing and fixing G.I tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (for horizontal run )	Mtrs.	1218	104.00	1,26,656.40
43.03	6.8	Providing and fixing G.I tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (for vertical run )	Mtrs.	281	163.00	45,743.51
		wan for rightning conductor complete as required. (for vertical run )				

Aanglong in the State of Assam							
S. No.	DSR 2019	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)	
	2017						
43.04	6.4	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or	Each	86	93.00	7,977.45	
		any other metallic object) by riveting / nut bolting/ sweating and soldering etc					
		as required.					
43.05	6.12	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip,	Each	17	102.00	1,728.29	
45.05	0.12	125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers	Eacii	17	102.00	1,720.29	
		etc. complete as required.					
43.06	5.4	Earthing with G.I. earth plate 600mm x 600mm x 6mm thick including	Set.	17	6216.00	1,05,323.90	
		accessories, and providing masonary enclosure with cover plate having locking arrangement and watering pipe of 2.7Mtr long etc. with charcoal/ coke and salt					
		as required.					
		au required.					
		Total of sub-head (43.0) (DSR)				3,02,611.37	
44.00							
	MD 40	D.G.Set and associated works					
44.01	MR 49	D.G.Set 62.5 KVA Providing, Installing, Testing and Commissioning of 'Silent Type' Diesel					
		Generating set alongwith having Prime Power Rating of 62.5 KVA, 415 volts					
		at 1500 RPM, 0.8 lagging power factor at 415 V suitable for 50 Hz, 3 phase					
		system & for 0.85 Load Factor and consisting of the followings					
	(a)	Diesel Engine:					
		Diesel engine 4 stroke water cooled, electric start, of suitable BHP at 1500					
		RPM suitable for above output of alternator at 40 Degree C, 50% RH & at					
		1000 Meter MSL and conforming to BS 5514, BS 649, IS 10000, capable of taking 10% over loading for one hour after 12 hours of continuous operation.					
		The engine will be fitted complete with all the required accessories.					
		Engine mounted Instrument Panel fitted with and having digital display for					
	(b)	following:					
		(i) Start-stop switch with key					
		(ii) Water temperature indication					
		(iii) Lubrication oil pressure indication (iv) Lubrication oil temperature indication					
		(v) Battery charging indication					
		(vi) RPM indication					
		(vii) Over speed indication					
		(viii) Low lub. Oil trip indication					
	(c)	(ix) Engine Hours indication Alternator:					
	(0)						
		Synchronous alternator rated at 62.5 KVA, 415 volts at 1500 RPM, 3 phase 50 Hz, AC supply with 0.8 lagging power factor at 40 Degree C, 50% RH & at					
		1000 Meter MSL. The alternator shall be having SPDP enclosure, brushless,					
		continuous duty, self-excited and self-regulated through AVR conforming to					
		IS: 4722/BS 2613 suitable for tropical conditions and with class- F/H insulation					
	(d)	Base Frame & Foundation:					
		Both the engine and alternator shall be mounted on suitable base frame made					
		of MS channel with necessary reinforcement which shall be installed on					
		suitable cement concrete foundation and vibration isolation arrangement as per recommendations of manufacturer.					
	(e)	Fuel Tank:					
		Daily service fuel tank of 120 liters capacity fabricated out of 3 mm thick M.S.					
		sheet complete with all standard accessories and fuel piping between fuel tank					
		and diesel engine with MS class 'C' pipes of suitable dia. Complete with					
		valves, level indications & accessories as required as per specifications.					
		Exhaust System:					
	(1	JEXHAUST SYSTEM.					
		Dry exhaust mainfold with hospital exhaust silencer and catalytic convertor.  Starting System:					

S. No.	DSR	Description	Unit	Quantity	Rate (In Rs)	Amount (In Rs)
	2019			C		
		123V/24V DC -tti				
		12V/24V DC starting system comprising of starter motors: voltage regulator and arrangement for initial excitation complete with suitable nos. of batteries				
		(25 plates, 180 Amp. Hour capacity lead acid type) as required as per				
		specifications.				
		Accoustic and weather proof enclosure with arrangement for fresh air intake		1	594200.00	6,29,257.80
	(h)	for cooling of the engine & alternator, extraction, discharging hot air in to the				
		atmosphere as per specifications.				
44.02	MR 50	AMF system for 62.5 KVA DG Set Part of DG.				
		Fabricating, Installing, Testing & Commissioning of automatic mains failure				
		control including auto by-pass panel, suitable for 62.5 KVA silent type DG set				
		complete with relays, timers, set of CTs for metering & protection and energy				
		analyser to indicate currents, phase and line voltages, frequency, power factor,				
		KWH, KVARH & provision for overload, short circuit, restricted earth fault,				
		under frequency, control cabling from AMF panel to diesel engine and				
		elsewhere if required, all complete and inter locking including the following:				
	(a)	(i) 1 No. 125 415V, 4P MCCB of 35kA.				
	(=,	(ii) 2 Nos. 125A, 415V 4P Contactor				
	(b)	Auto/Manual/Test/Off selector switch				
	(c)	2 Nos over voltage relay, 2 Nos reverse power relay and 2 Nos under voltage				
	(c <sub>.</sub>	relay.				
	(ď	3 Sets of current transformers 15 P 10 accuracy for protection and 15 VA class-				
	(4)	1 for metering				
	(e)	Energy analyser unit to indicate current voltage frequency power factor and				
		KWH Indicating lamps for load on mains and load on set				
		Fuse for instruments				
		Battery charger complete with transformer/ rectifier D.C. voltmeter and				
	(h)	ammeter, selector switch for trickle, off and boost and current adjustment.				
	(i	Main supply failure monitor				
		Supply failure timer				
		Restoration timer				
	(1)	Control unit with three impulse automatic engine start/stop and failure to start				
		lockout.				
		Impulse counter with locking and reset facility.				
		ON/OFF/Control circuit switch with indicator				
	(o)	Audio/Video annunciation for				
		(i) High water temperature				
		(ii) Low lubricating oil pressure				
		(iii) Engine over speed (iv) Engine fails to start				
		(v) Full load/maximum load warning		1	129500.00	1,37,140.50
		(1) I am rough marining		1	12/300.00	1,57,170.50
44.03	MR 51	Supplying and fixing exhaust gas piping of 75mm dia. welded black MS, B		4	1280.00	5,422.08
	-	Class pipe conforming to IS:3589 cut to required lengths and installed with				
		necessary bends, supports and clamps, anti-vibration mountings, insulation of				
		exhaust system with mineral wool/Rockwool, 50 mm thick wiremesh &				
		aluminum cladding etc., as required as per specifications.				
		Total of sub-head (44.0) (Non DSR)				7,71,820.38