

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
9	Extra for using computerised concrete batch mixing plant including carriage by transit mixer within 1 km lead (note: where concrete mixer is already included in the rate the same shall be deducted )					
9.1	Qty. same as RCC in Columns of all Floors	328.44	Cum	130.63	Rupees One Hundred Thirty And Sixty Three Paise Only	42904.12
10	Extra for carriage of RMC batch mixed concrete with transit mixture beyond 1st km. for 5 km	<del>328.44</del>	cum	<del>443.28</del>	<del>Rupees One Hundred Forty Three And Twenty Eight Paise Only</del>	<del>47958.88</del>
11	Extra for pumping charges of Batch Mix Concrete / Ready mix concrete work (RMC)	328.44	cum	92.71	Rupees Ninety Two And Seventy One Paise Only	30449.67
12	Extra rate for enhancement in pumping power, addition of pipe length, scaffolding for handling the pipe arrangement for pumping of concrete in subsequent storey above the below storey up to height of 4 meters or part there of up to the roof top level of that storey					
12.1	Extra Rate for First Floor	79.50	cum	23.18	Rupees Twenty Three And Eighteen Paise Only	1842.81
12.2	Qty. same as Second Floor	81.26	cum	46.35	Rupees Forty Six And Thirty Five Paise Only	3766.4
12.3	Extra Rate for Third Floor	79.51	cum	69.53	Rupees Sixty Nine And Fifty Three Paise Only	5528.33
13	First class burnt brick work laid in cement sand mortar 1:6 in foundation and plinth.	71.17	Cum	5811.88	Rupees Five Thousand Eight Hundred Eleven And Eighty Eight Paise Only	413531.5
14	Centring and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, shelves etc.					
14.1	Total qty for all floor	875.42	Sqm	560.46	Rupees Five Hundred Sixty And Forty Six Paise Only	490637.89
14.2	Extra rate for First Floor	204.52	Sqm	10.54	Rupees Ten And Fifty Four Paise Only	2155.64
14.3	Extra rate for Second Floor	219.04	Sqm	21.07	Rupees Twenty One And Seven Paise Only	4615.17
14.4	Extra rate for Third Floor	247.34	Sqm	31.61	Rupees Thirty One And Sixty One Paise Only	7818.42
15	Centring and shuttering for Columns ( Square or Rectangular or ply gonal in plain)					
15.1	Total qty for all floor	1286.80	Sqm	502.52	Rupees Five Hundred Two And Fifty Two Paise Only	646842.74
15.1	Extra rate for First Floor	218.88	Sqm.	10.54	Rupees Ten And Fifty Four Paise Only	2307

Signature of Tenderer with seal

Page No. 118.26

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs. P
				Figure	Words	
15.2	Extra rate for Second Floor	218.88 Sqm.		21.07	Rupees Twenty One And Seven Paise Only	4611.8
15.3	Extra rate for Third Floor	218.88 Sqm		31.61	Rupees Thirty One And Sixty One Paise Only	6918.8
16	Centring and shuttering for sides and soffits of beam, beams launchings girders bressumers, lintels					
16.1	Total qty for all floor	758.40 Sqm		400.33	Rupees Four Hundred And Thirty Three Paise Only	303610.27
16.2	Extra rate for First Floor	193.68 Sqm.		10.54	Rupees Ten And Fifty Four Paise Only	2041.39
16.3	Extra rate for Second Floor	193.68 Sqm.		21.07	Rupees Twenty One And Seven Paise Only	4080.84
16.4	Extra rate for Third Floor	177.36 Sqm		31.61	Rupees Thirty One And Sixty One Paise Only	5606.35
17	Centring and shuttering for stair cases with sloping with soffits including risers and stringers.					
17.1	Total qty for all floor	93.49 Sqm		469.86	Rupees Four Hundred Sixty Nine And Eighty Six Paise Only	43927.21
17.2	Extra rate for First Floor	25.91 Sqm		10.54	Rupees Ten And Fifty Four Paise Only	273.09
17.3	Extra rate for Second Floor	25.91 Sqm.		21.07	Rupees Twenty One And Seven Paise Only	545.92
18	First class burnt brick work laid in cement sand mortar 1:6 in first storey upto 4 metres above plinth level.					
18.1	Total qty for all floor	158.63 Cum		5956.20	Rupees Five Thousand Nine Hundred Fifty Six And Twenty Paise Only	944832.01
18.2	Extra rate for First Floor	41.87 Cum.		153.81	Rupees One Hundred Fifty Three And Eighty One Paise Only	6440.02
18.3	Extra rate for Second Floor	40.22 Cum.		307.62	Rupees Three Hundred Seven And Sixty Two Paise Only	12372.48
18.4	Extra rate for Third Floor	40.22 Cum.		461.43	Rupees Four Hundred Sixty One And Forty Three Paise Only	18558.71
18.5	Extra rate for Fourth Floor	21.23 Cum.		615.24	Rupees Six Hundred Fifteen And Twenty Four Paise Only	13061.55
19	12.5mm thick cement plaster 1:5.					
19.1	Total all floor	518.34 Sqm.		191.82	Rupees One Hundred Ninety One And Eighty Two Paise Only	99427.98
19.2	Extra rate for First Floor	179.20 Sqm.		2.11	Rupees Two And Eleven Paise Only	378.11

Signature of Tenderer with seal

Page No. 118.27

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
19.3	Extra rate for Second Floor	179.20	Sqm.	4.21	Rupees Four And Twenty One Paise Only	754.43
20	20 mm thick cement plaster 1:5 in two coats work.	518.34	Sqm	261.92	Rupees Two Hundred Sixty One And Ninety Two Paise Only	135753.61
20.1	Extra rate for First Floor	179.20	Sqm	2.11	Rupees Two And Eleven Paise Only	378.11
20.2	Extra rate for Second Floor	179.20	Sqm	4.21	Rupees Four And Twenty One Paise Only	754.43
21	12.5 mm thick cement plaster 1:4.	249.65	Sqm.	200.25	Rupees Two Hundred And Twenty Five Paise Only	49992.41
21.1	Extra rate for First Floor	28.92	Sqm.	2.11	Rupees Two And Eleven Paise Only	61.02
21.2	Extra rate for Second Floor	32.89	Sqm.	4.21	Rupees Four And Twenty One Paise Only	138.47
21.3	Extra rate for Third Floor	32.89	Sqm.	6.32	Rupees Six And Thirty Two Paise Only	207.86
21.4	Extra rate for Fourth Floor	252.05	Sqm.	8.43	Rupees Eight And Forty Three Paise Only	2124.78
22	20 mm thick cement plaster 1:4.	249.65	Sqm	275.62	Rupees Two Hundred Seventy Five And Sixty Two Paise Only	68808.53
22.1	Extra rate for First Floor	28.92	Sqm	2.11	Rupees Two And Eleven Paise Only	61.02
22.2	Extra rate for Second Floor	32.89	Sqm	4.21	Rupees Four And Twenty One Paise Only	138.47
22.3	Extra rate for Third Floor	32.89	Sqm	6.32	Rupees Six And Thirty Two Paise Only	207.86
22.4	Extra rate for Fourth Floor	252.05	Sqm	8.43	Rupees Eight And Forty Three Paise Only	2124.78
23	Terracing consisting of tiles 22.86x11.43x3.83cm laid over 25 mm mud plaster 7.5 cm mud filling on another layer of 25mm mud plaster including two coats of bitumen laid hot at 1.65 Kg. /Sqm top of R.C.C. slab including grouting with cement sand mortar 1:4 and top surface to be left clean after wire brushing					
23.1	Total qty for all floor	192.27	Sqm.	865.61	Rupees Eight Hundred Five And Sixty - One Paise Only	154854.63
23.2	Extra rate for Third Floor	192.27	Sqm.	809.61	Rupees Nine And Forty Eight Paise Only	15463.71
24	Cement concrete 1:2:4 gola 10cm x 10cm concave quadrant along junction of roofs with parapet wall finished smooth, where specially specified.	102.41	Rmt	70.45	Rupees Seventy And Forty Five Paise Only	7214.78

Signature of Tenderer with seal

Page No. 118.28

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Words	Estimated Rate	AMOUNT Rs. P
25	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% taken only from outside the premises laying in plinth in 15 cm layers including ramming, watering and consolidating including all leads.	447.74	Cum	475.27 445.58	Rupees Four Hundred Seventy Five And Twenty Seven Paise Only		212797.39 199638.31
26	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% excavated from foundation and taken only from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres.	1427.12 450.85	Cum	66.37	Rupees Sixty Six And Thirty Seven Paise Only		74866.95 29922.91
27	Screed of 50mm thick cement concrete 1:8:16 with stone aggregate 40mm gauged to be laid below the topping using mechanical mixer for mixing of material						
27.1	Total qty for all floor	101.48	Sqm.	192.99	Rupees One Hundred Ninety Two And Ninety Nine Paise Only		19584.63
27.2	Extra rate for Second Floor	50.74	Sqm.	6.32	Rupees Six And Thirty Two Paise Only		320.68
27.3	Extra rate for Third Floor	50.74	Sqm.	18.96	Rupees Eighteen And Ninety Six Paise Only		962.03
28	Marble stone flooring with 12-15 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 : Udaipur Green Marble Tiles of thickness 12mm to 15mm Slabs sizes above 0.50 sqm						
28.1	Total Qty for all floor	358.28	sqm	1215.34	Rupees One Thousand Two Hundred Fifteen And Thirty Four Paise Only		435432.02
28.2	Extra rate for First Floor	57.24	Sqm.	3.16	Rupees Three And Sixteen Paise Only		180.88
28.3	Extra rate for Second Floor	56.97	Sqm.	6.32	Rupees Six And Thirty Two Paise Only		360.05
28.4	Extra rate for Third Floor	46.71	Sqm.	9.48	Rupees Nine And Forty Eight Paise Only		442.81

Signature of Tenderer with seal

Page No. 118.29



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate		AMOUNT Rs. P
					Words		
29	Marble work of thickness 12-15 mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately).						
29.1	Udaipur Green Marble Tiles of thickness 12mm to 15mm Slabs sizes above 0.50 Sqm Total Qty for all floor	40.32	sqm	1561.37	Rupees One Thousand Five Hundred Sixty One And Thirty Seven Paise Only		62954.14
29.2	Extra rate for First Floor	10.18	Sqm.	3.16	Rupees Three And Sixteen Paise Only		32.17
29.3	Extra rate for second Floor	17.33	Sqm.	6.32	Rupees Six And Thirty Two Paise Only		109.53
29.4	Extra rate for Third Floor	1.85	Sqm.	9.48	Rupees Nine And Forty Eight Paise Only		17.54
30	Providing and Laying Out Door Precast Designer chequered tiles of any size & any shape 25mm thickness having top layer of white cement mixed with pigment, laid on 20mm thick bed of ordinary cement mortar 1:3 (1 ordinary cement : 3 fine sand), joints grouted with white cement slurry containing pigment to match the shade complete in all respect as per specifications and to the entire satisfaction of engineer-in-charge.	431.43	Sqm	1081.54	Rupees One Thousand Eighty One And Fifty Four Paise Only		46660.8
31	Providing and fixing Morwad Marble Slip 12mm to 15mm thick and 100 mm wide in kotah stone flooring over 12.50mm thickness base of cement mortar 1:3 jointed with cement slurry including cost of additional mortar equivalent to the kota stone thickness and colouring pigment to match the colour rubbed and polished to granolithic finish complete in all respects, respects.	146.30	Rmt	130.53	Rupees One Hundred Thirty And Sixty Three Paise Only		19111.17

Signature of Tenderer with seal

Page No. 118.30

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	Amount Rs. P
32	Providing and Laying Tactile Flooring full body vitrified, low water absorption below 5%, having excellent slip resistance, very dense, durable and abrasion resistant, solid through colour, fade proof, highly chemical and stain resistance unglazed finish porcelain tile of size 300mm x 300mm x 10mm + 5mm thick, approved profile design, Tec-button/Tec-liner laid in ordinary grey cement and on 20mm thick bed of cement mortar 1:3 filling neat cement slurry between joints with White Cement containing pigment to match the shade complete in all respect. (Tile design and pattern will be as per guidelines issued for persons with disability)					
32.1	Total all Floor	18.60	Sqm.	1908.54	Rupees One Thousand Nine Hundred Eight And Fifty Four Paise Only	35498.84
32.2	Extra rate for First Floor	4.65	Sqm.	3.16	Rupees Three And Sixteen Paise Only	14.69
32.3	Extra rate for Second Floor	4.65	Sqm.	6.32	Rupees Six And Thirty Two Paise Only	29.39
32.4	Extra rate for Third Floor	4.65	Sqm.	9.48	Rupees Nine And Forty Eight Paise Only	44.08
33	Cold twisted deformed (Ribbed/ Tor Steel Bar/TMT) Bars Fe 500 grade as per IS 1786-2008, for R.C.C works, where not including in the complete rate of RCC including bending and placing in position complete					
33.1	Total Qty for All Floor	740.93	qtl	7876.91 7919.16	Rupees Seven Thousand Eight Hundred Seventy Six And Ninety One Paise Only	586 586238-93 586 154322
33.2	Extra rate for First Floor	120.09	qtl	13.70	Rupees Thirteen And Seventy Paise Only	1645.23
33.3	Extra rate for Second Floor	120.09	qtl	27.39	Rupees Twenty Seven And Thirty Nine Paise Only	3289.27
33.4	Extra rate for Third Floor	129.00	qtl	41.09	Rupees Forty One And Nine Paise Only	5300.61
33.5	Extra rate for using steel produced in integrated plant from original ores complete in all respect as per the directions of Engineer-in-charge.	740.93	Qtl.	393.27	Rupees Three Hundred Ninety Three And Twenty Seven Paise Only	291385.54
34	Providing and applying plaster of paris (ISI marked such as JK, Kohinoor, Maharaja etc.) punning 6mm thickness over plastered surface to prepare the surface even and smooth complete in all respect as per the directions of Engineer-in-charge.	811.59	sqm	297.09	Rupees Two Hundred Ninety Seven And Nine Paise Only	241115.27

Signature of Tenderer with seal

Page No. 118.31

NEC



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
35	Preparation of plastered or concrete surface for painting (including sand paping the surface) using ready mixed cement based wall putty by applying two or more coats to get required finish	1535.92	Sqm	84.28	Rupees Eighty Four And Twenty Eight Paise Only	1 29447.34
36	Applying priming coat with cement primer in all shade on newly plastered or concrete exterior surface	622.00	Sqm	22.12	Rupees Twenty Two And Twelve Paise Only	13768.64
37	Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade (two or more coats)	622.00	Sqm	93.76	Rupees Ninety Three And Seventy Six Paise Only	58318.72
38	Distemping with Acrylic washable oil bound distemper (of approved manufacture) two or more coats over one priming coat to give an even shade	414.66	Sqm	79.01	Rupees Seventy Nine And One Paise Only	32762.29
		1037.68				819 39.69
39	Finishing walls with textured exterior paint of required shade with two or more coats applied @ 3.28 litre/10Sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 Sqm	174.74	Sqm	163.29	Rupees One Hundred Sixty Three And Twenty Nine Paise Only	28533.29
40	Finishing walls with acrylic smooth exterior paint of required shade with two or more coats applied @ 1.67 litre/10Sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 Sqm	324.52	Sqm	126.42	Rupees One Hundred Twenty Six And Forty Two Paise Only	41025.82
41	Construction of Plinth protection complete as per drawing.					
41.1	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15 cm. layers with compaction including disposal of all surplus soil as directed within a lead of 30 metres.	14.96	Cum.	191.74	Rupees One Hundred Ninety One And Seventy Four Paise Only	2866.43
41.2	Cement Concrete 1:8:16 with 40mm guage stone aggregate using concrete mixing volumetric type	5.98	Cum.	3508.83	Rupees Three Thousand Five Hundred Eight And Eighty Three Paise Only	20962.8
41.3	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.	21.54	Cum.	5895.10	Rupees Five Thousand Eight Hundred Ninety Five And Ten Paise Only	26980.45
41.4	Base course of floor consisting of 100mm thick cement concrete 1:8:16 with stone aggregate 40mm guage and 100mm fine sand filling using mechanical mixer for mixing of material	47.14	Sqm.	453.12	Rupees Four Hundred Fifty Three And Twelve Paise Only	21380.08
41.5	Conglomerate floor 40mm thick cement concrete topping 1:2:4 (Using mechanical mixer for mixing of material).	70.70	Sqm.	335.04	Rupees Three Hundred Thirty Five And Four Paise Only	23687.33
41.6	12.5 mm thick cement plaster 1:5 complete in all respect as per specification, drawing and to the entire satisfaction of Engineer-In-Charge.	47.14	Sqm.	191.82	Rupees One Hundred Ninety One And Eighty Two Paise Only	9042.39
A3	Construction of Mid day Meal Block (Single Storey)					16 97037.29
	Total A2:-				16979744.97	

Signature of Tenderer with seal

Page No. 118.32

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Words	Estimated Rate	AMOUNT Rs. P
1	Excavation in Soil (any type) using Hydraulic Excavator CK 90 with hydraulic excavator of 9.0 m <sup>3</sup> bucket capacity including cutting, trimming bottom and side slopes, in accordance with requirements of this, grades and cross sections, including all lifts and contained soil upto 30% Earth filling under floors with surplus ordinary soil or soil containing gravel or stones upto 40% excavated from outside the building plinth in 15 cm lifts and including trimming, watering and consolidating lead upto 30 metres (34.65+17+3.35) (N=102.17)	75.28	Cum.	35.82 102.19	Rupees Thirty Five And Eighty Two Paise Only	2693.53	7692.56
2	Providing and applying Anti Termite Treatment using pre constructional chemical treatment measures as per IS - 6313 - 2001 ( Part 2 ) & using Chemical containing chloropyrifos systemic insecticide diluted to manufacturer's specifications (i) In foundation pits, by treating the bottom & sides upto height of 300mm by uniformly spraying solution @ 5 Litre / Sqm (ii) In the refill earth on both sides of all built up walls @ 7.5 Litre / Running meter ( width - 300 mm, depth - 450 mm ) (iii) Before laying the floor, by uniformly sprinkling the top surface of the consolidated earth within the outer perimeter @ 5 Litre solution per Sqm.	77.61	ltr	391.90	Rupees Three Hundred Ninety One And Ninety Paise Only	30415.36	
3	Cement Concrete 1:4:8 with stone ballast of size. 40 mm gauge. using concrete mixing volumetric type	7.53	Cum.	4018.57	Rupees Four Thousand Eighteen And Fifty Seven Paise Only	30259.83	
4	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth.	25.35 24.91+3.44 25.35	Cum	4779.59 5857.06 5797.06	Rupees Five Thousand Seven Hundred Seventy Nine And Fifty Nine Paise Only	14670.97	
5	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering)	44.88	sqm	221.24	Rupees Two Hundred Twenty One And Twenty Four Paise Only	9929.25	
6	First class burnt brick work laid in cement sand mortar 1:6 in foundation and plinth.	30.76	Cum	5811.88	Rupees Five Thousand Eight Hundred Eleven And Eighty Eight Paise Only	8773.43	
7	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in superstructure.						
7.1	Lintels						
7.1.1	Total all Floor	0.09	Cum	6668.66 6576.14	Rupees Six Thousand Five Hundred Sixty Eight And Sixty Six Paise Only	591.19	
7.2	Shelves						
7.1.1	Total all Floor	0.41	Cum	6668.66 6576.14	Rupees Six Thousand Five Hundred Sixty Eight And Sixty Six Paise Only	2693.15	
7.3	Beams						
8.1.1	Total all floor	5.21	Cum	6668.66 6576.14	Rupees Six Thousand Five Hundred Sixty Eight And Sixty Six Paise Only	34222.72	34261.69

Signature of Tenderer with seal

Page No. 118.33

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
7.4	Columns (Rectangular & Square)					
8.2.1	Total all Floor	4.71 Cum		6568.66	Rupees Six Thousand Five Hundred Sixty Eight And Sixty Six Paise Only	30938.38
7.5	Slab	4.13 Cum		6576.14	Rupees Six Thousand Five Hundred Sixty Eight And Sixty Six Paise Only	27128.57
8	Centring and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, shelves etc.					
8.1	Total qty for all floor	41.86 Sqm		550.46	Rupees Five Hundred Sixty And Forty Six Paise Only	23348.76
9	Centring and shuttering for Columns ( Square or Rectangular or ply gonal in plain)					
9.1	Ground Floor					
9.1	Total qty for all floor	61.44 Sqm		502.52	Rupees Five Hundred Two And Fifty Two Paise Only	30874.83
10	Centring and shuttering for sides and soffits of beam, beams launchings girders bressumers, lintels					
10.1	Ground Floor					
10.1	Total qty for all floor	42.40 Sqm		400.33	Rupees Four Hundred And Thirty Three Paise Only	16973.99
11	Extra for using computerised concrete batch mixing plant including carriage by transit mixer within 1 km lead (note: where concrete mixer is already included in the rate the same shall be deducted )					
11.1	Qty same as RCC in Columns of all Floors	14.05 Cum		130.63	Rupees One Hundred Thirty And Sixty Three Paise Only	1835.35
12	Extra for carriage of RMC batch mixed concrete with transit mixture beyond 1st km - for 5 km	14.05 cum		143.28	Rupees One Hundred Forty Three And Twenty Eight Paise Only	2013.08
13	Extra for pumping charges of Batch Mix Concrete / Ready mix concrete work (RMC)	14.05 cum		92.71	Rupees Ninety Two And Seventy One Paise Only	1302.58
14	First class burnt brick work laid in cement sand mortar 1:8 in first storey upto 4 metres above plinth level.					
14.1	Total qty for all floor	14.68 Cum		5956.20	Rupees Five Thousand Nine Hundred Fifty Six And Twenty Paise Only	87437.02
14.2	Extra rate for First Floor	3.39 Cum.		153.81	Rupees One Hundred Fifty Three And Eighty One Paise Only	521.42
15	12.5mm thick cement plaster 1:5.					
15.1	Total all floor	43.26 Sqm.		191.82	Rupees One Hundred Ninety One And Eighty Two Paise Only	8298.13

Signature of Tenderer with seal

Page No. 118.34



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	Amount Rs.
15.2	Extra rate for First Floor	5.89	Sqm.	2.11	Rupees Two And Eleven Paise Only	12.01
16	20 mm thick cement plaster 1:5 in two coats work.					
		43.26	Sqm	261.92	Rupees Two Hundred Sixty One And Ninety Two Paise Only	11330.66
16.1	Extra rate for First Floor	5.89	Sqm	2.11	Rupees Two And Eleven Paise Only	12.01
17	12.5 mm thick cement plaster 1:4.	33.22	Sqm.	200.25	Rupees Two Hundred And Twenty Five Paise Only	6652.31
17.1	Extra rate for First Floor	11.07	Sqm.	2.11	Rupees Two And Eleven Paise Only	23.36
18	20 mm thick cement plaster 1:4.	33.22	Sqm	275.62	Rupees Two Hundred Seventy Five And Sixty Two Paise Only	9156.1
18.1	Extra rate for First Floor	11.07	Sqm	2.11	Rupees Two And Eleven Paise Only	23.36
19	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes (working pressure 4 kgf / cm <sup>2</sup> ) conforming to IS : 4985, including fixing with MS Clamp	18.90	Rmt.	265.48	Rupees Two Hundred Sixty Five And Forty Eight Paise Only	5017.57
20	U-PVC pipes (working pressure 4kgf. / sqcm) pipe 110 mm dia.					
	Providing and fixing 110 mm dia. U.P.V.C bend for Rain water pipe as per IS:14735 including jointing complete as per specifications and to the entire satisfaction of Engineer- in- charge.	2.00	Nos.	142.22	Rupees One Hundred Forty Two And Twenty Two Paise Only	284.44
21	UPVC 110 mm bend					
	Providing and fixing 110 mm dia SWR U.P.V.C Coupling/Socket for Rain water pipe as per IS:14735 including jointing complete as per specifications and to the entire satisfaction of Engineer- in- charge.	2.00	Nos.	88.49	Rupees Eighty Eight And Forty Nine Paise Only	176.98
22	Top khurra 0.6m x 0.6m for rain water pipe in 25mm thick cement concrete 1:2.4 over 50mm thick cement concrete 1:8:16.	2.00	Nos.	102.79	Rupees One Hundred Two And Seventy Nine Paise Only	205.58
23	Bottom Khurra on ground 1.2m. x 0.6m. consisting of brick on-edge laid in cement mortar 1:3 over 75mm cement concrete 1:8:16 including 12.5m.m. thick cement plaster 1:3.	2.00	Nos.	717.49	Rupees Seven Hundred Seventeen And Forty Nine Paise Only	1434.98
24	Providing and fixing in position gratings 150mm x 150mm for gully trap.	2.00	Nos.	87.87	Rupees Eighty Seven And Eighty Seven Paise Only	175.74
25	PVC grating					
	Terracing consisting of tiles 22.86x11.43x3.83cm laid over 25 mm mud plaster 7.5 cm mud filling on another layer of 25mm mud plaster including two coats of bitumen laid hot at 1.65 Kg. /Sqm top of R.C.C. slab including grouting with cement sand mortar 1:4 and top surface to be left clean after wire brushing					
25.1	Total qty for all floor	27.31	Sqm.	895.64	Rupees Eight Hundred Five And Sixty One Paise Only	22001.27
31.1	Extra rate for First Floor	27.31	Sqm.	809.61	3.16 Rupees Three And Sixteen Paise Only	22110.45

Signature of Tenderer with seal

Page No. 118.35



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs. P
				Figure	Words	
26	Cement concrete 1:2:4 gola 10cm x 10cm concave quadrant along junction of roofs with parapet wall finished smooth, where specially specified.	22.25 Rmt		70.45	Rupees Seventy And Forty Five Paise Only	1567.51
27	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% taken only from outside the premises laying in plinth in 15 cm layers including ramming, watering and consolidating including all leads.	109.64 Cum		475.27 445.84	Rupees Four Hundred Seventy Five And Twenty Seven Paise Only	52108.8 48516.28
28	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% excavated from foundation and taken only from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres.	75.28 Cum		66.37	Rupees Sixty Six And Thirty Seven Paise Only	4996.33
29	Base course of floor consisting of 100mm thick cement concrete 1:8:16 with stone aggregate 40mm gauge and 100mm fine sand filling using mechanical mixer for mixing of material	96.88 Sqm.		453.12	Rupees Four Hundred Fifty Three And Twelve Paise Only	43898.27
30	Kota stone slab 20-25 mm thick 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) ..					
30.1	Ground Floor	92.12 Sqm.		1156.83	Rupees One Thousand One Hundred Fifty Six And Eighty Three Paise Only	106567.18
31	Kotah stone tiles 20mm thick in skirting risers of steps, dado walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone, including rubbing and polishing					
31.1	Ground Floor	2.97 Sqm.		1407.56	Rupees One Thousand Four Hundred Seven And Fifty Six Paise Only	4180.45
32	Providing and fixing Morvad Marble Strip 12mm to 15mm thick and 100 mm wide in kotah stone flooring over 12.50mm thickness base of cement mortar 1:3 jointed with cement slurry including cost of additional mortar equivalent to the kota stone thickness and colouring pigment to match the colour rubbed and polished to granolithic finish complete in all respects.respects.	102.40 Rmt		130.63	Rupees One Hundred Thirty And Sixty Three Paise Only	13376.51

Signature of Tenderer with seal

Page No. 118.36



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
33	Supplying and fixing of Japani sheet frames (Chowkat) consisting of 18 gauge (1.25mm) thick steel sheet of the specified section (standard design latest), including iron lugs (hold fasts) iron hinges conforming to PWD specifications including bolts for fixing steps, lock notch provision for receiving tower bolts and finished, fixed in position including the cost of cement concrete 1:3:6 for filling in the frame and cement concrete 1:2:4 for lugs complete to the satisfaction of Engineer-in-charge.					
33.1	Door and window frame of size 113mmx60mmx with 35mm wide single rebate	6.10	Rmt	783.80	Rupees Seven Hundred Eighty Three And Eighty Paise Only	4781.13
33.2	Doors and windows frame of size 151mm x 60mm with 35 mm wide double rebate weighing 3.95 kg per meter.	20.46	Rmt	963.32	Rupees Nine Hundred Sixty Three And Thirty Two Paise Only	19709.53
34	Providing & fixing of Box type steel windows, made of various ERW section outer 60mm x 25mm, central mullion 60mm x 25mm, for shutter 50mm x 20mm having thickness of 1.25mm (18 gauge), shash bar MS Tee 25mm x 3mm where required joints mitred and electrically flash-welded, with iron fittings including necessary iron handles, hinged cleat, tower bolts, iron hold fast and pintle hinges complete (excluding glazing and wire gauge) and finished with ready mixed paint red lead non setting primer complete as per specification, Drawings and to the entire satisfaction of engineer-in-charge. (Note:- Glazing, wire gauge and grill will be paid as per respective items)	97.76	kg	145.99	Rupees One Hundred Forty Five And Ninety Nine Paise Only	14271.93
35	Wire gauge fixed on steel windows of standard rolled steel section, with 3mm thick flat iron cover moulding of 12.5mm width, fixed with machine screws, complete in all respects.	2.27	Sqm	954.47	Rupees Nine Hundred Fifty Four And Forty Seven Paise Only	2166.65
36	Supplying and fixing glass panes with glazing clips and special metal sash putty of approved make.					
36.1	Glass panes 4mm or 10.75 kg / sqm exceeding 0.4 sqm of area	59.59	sqm	629.99	Rupees Six Hundred Twenty Nine And Ninety Nine Paise Only	4218.97
37	Extra for providing & fixing Steel Tube beading size 12mm x 12mm, 18 gauge of approved shape and section with screw for fixing of glass panes in stead of glazing clips and metal sash putty in steel doors, windows & Ventilators complete in all respect					
38	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, riveted or welded or forged, framed window guards, barred iron doors, stair case, iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.	0.73	Qtl	10798.95	Rupees Ten Thousand Seven Hundred Ninety Eight And Ninety Five Paise Only	7883.23

Signature of Tenderer with seal

Page No. 118.37

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
39	Providing and fixing hydraulic door closer ISI mark with necessary screw etc. complete I.S.I Designation No. 1 (size of door up to 700mm) Factory manufactured solid flush door fixed in position iron hinges, etc (excluding the cost of any fittings other than specified above but including labour for fixing the same in position (Code : IS 2202-1) (1999) Commercial with elm or gurjan facing on both \ Sides with laminated core and lipped edges :- 35mm thick	2.00 Nos		1039.80	Rupees One Thousand Thirty Nine And Eighty Paise Only	2079.6
39		2.97 Sqm		2430.42	Rupees Two Thousand Four Hundred Thirty And Forty Two Paise Only	7218.35
40	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (including cost of glass) Rectangular or square	1.00 nos		403.49	Rupees Four Hundred Three And Forty Nine Paise Only	403.49
41	Cost of Aluminium fittings complete for doors, windows such as tower bolts, handless and screw etc. for these fittings (Excluding sliding bolt) For shutter area above 0.50 sqm	2.97 Sqm		116.94	Rupees One Hundred Sixteen And Ninety Four Paise Only	347.31
42	Providing and fixing aluminium sliding door bolts ISI marked anodized (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 :					
42.1	300mm x 16mm	1.00 Nos		209.65	Rupees Two Hundred Nine And Sixty Five Paise Only	209.65
43	Cold twisted deformed (Ribbed/ Tor Steel Bar/TMT) Bars Fe 500 grade as per IS 1766-2008, for R.C.C works, where not including in the complete rate of RCC including bending and placing in position complete	38.85 qtl		7976.91 7919.16	Rupees Seven Thousand Eight Hundred Seventy Six And Ninety One Paise Only	306017.96 307659.37

Signature of Tenderer with seal

Page No. 118.38



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs - NT P
44	Providing and fixing (PPGL) precast painted galvalume sheet roofing (size, shape and pitch of corrugation as approved by Engineer-in-charge) The end rib shall have anti capillary groove and return leg. The steel sheet must be having yield strength of 550 MPa (Fy= 550 MPa) metallic coated with Zinc- Aluminium alloy ( i.e. 55% Al, 43.4%Zinc, 1.6% Si-Zincalume) AZ150 ( Min. 150 bn/mm2 total on both sides), pre painted with super Durable Polyester XRW quality paint includes inorganic infrared reflective pigment. The sheet confirms to general requirement of AS/NZS 2728 type 4/ IS 15965 class 3 durability and gloss value of 25% -40%. 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. 0.80mm (+ 0.05 %) thick	116.80	Sqm	875.12 523.10	Rupees Nine Hundred Seventy Five And Twelve Paise Only	113 394.02 96138.08
45	Ridges and valleys 45 cm overall, in plain G.I. Sheet 0.80mm fixed with galvanized iron J and L hooks 10mm diameter, G.I. Limpet and bitumen washers complete	12.50	mt	438.26 52.91	Rupees Four Hundred Thirty Eight And Twenty Six Paise Only	5 478.26 6573.88
46	Providing and fixing polycarbonate sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws with EPDM seal, and the joints shall be provided with aluminium strips at top and bottom as a 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.	24.09	mt	1672.96	Rupees One Thousand Six Hundred Seventy Two And Ninety Six Paise Only	41 807.27
47.1	Poly carbonate sheet 2mm thick solid type Above 15.00 mt. Span including the cost for machinery i.e. Hydra cranes etc. for hoisting in position.	31.06	qtl	11292.43	Rupees Eleven Thousand Two Hundred Ninety Two And Forty Three Paise Only	350 742.88
48	Coloured granite stone tiles 15mm to 20mm thick in skirting risers of steps dado, walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 cement and 3 course of sand) and joint with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing including labour for fixing, dowels, pins and cramps.					
48.1	Ground Floor	2.76	Sqm.	3454.51	Rupees Three Thousand Four Hundred Fifty Four And Fifty One Paise Only	9 534.45

Signature of Tenderer with seal

Page No. 118.39

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Words	Estimated Rate	AMOUNT Rs.
49	Extra labour for projected rising of stair case of any shape and design (CSR 14.568 64+5.35% = 67.42), steps of marble stone, Full guta,	3.51	mnt	187.52	Rupees One Hundred Eighty Seven And Fifty Two Paise Only	658.23	236.64
50	Providing and applying plaster of paris (ISI marked such as JK, Kohinoor, Maharaja etc.) punning 6mm thickness over plastered surface to prepare the surface even and smooth complete in all respect as per the directions of Engineer-in-charge.	58.71	sqm	297.09	Rupees Two Hundred Ninety Seven And Nine Paise Only	17442.18	
51	Preparation of plastered or concrete surface for painting (including sand papering the surface) using ready mixed cement based wall putty by applying two or more coats to get required finish	211.65	Sqm	84.28	Rupees Eighty Four And Twenty Eight Paise Only	17837.86	
52	Applying priming coat with cement primer in all shade on newly plastered or concrete exterior surface	97.30	Sqm	22.42	Rupees Twenty Two And Twelve Paise Only	2152.28	
53	Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade (two or more coats)	97.30	Sqm	89.76	Rupees Ninety Three And Seventy Six Paise Only	9122.82	768.767
54	Applying priming coat with metal primer on new steel or iron work including preparation of surface	92.95	Sqm	25.28	Rupees Twenty Five And Twenty Eight Paise Only	2349.78	
55	Preparation of plywood surface for painting including sand papering the surface and applying filling with approved quality fillers consisting of white lead, linseed oil, Varnish, and Chalk Mitti including finishing the surface to required finish complete.	6.68	Sqm	45.30	Rupees Forty Five And Thirty Paise Only	302.88	
56	Applying pink primer or aluminum priming coat on wood work including preparation of surface knotting and stopping etc.	6.68	Sqm	29.50	Rupees Twenty Nine And Fifty Paise Only	197.06	
57	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.	615.50	Sqm	69.53	Rupees Sixty Nine And Fifty Three Paise Only	42795.72	
58	Finishing walls with textured exterior paint of required shade with two or more coats applied @ 3.28 litre/10Sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 Sqm	23.25	Sqm	163.29	Rupees One Hundred Sixty Three And Twenty Nine Paise Only	3796.48	
59	Finishing walls with acrylic smooth exterior paint of required shade with two or more coats applied @ 1.67 litre/10Sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 Sqm	43.18	Sqm	126.42	Rupees One Hundred Twenty Six And Forty Two Paise Only	5458.82	
60	Construction of Plinth protection complete as per drawing.						
60.1	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15 cm. layers with compaction including disposal of all surplus soil as directed within a lead of 30 metres.	7.16	Cum.	191.74	Rupees One Hundred Ninety One And Seventy Four Paise Only	1372.88	

Signature of Tenderer with seal

Page No. 118.40



Sl. No.	Description of work	No. of Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
60.2	Cement Concrete 1:8:16 with 40mm gauge stone aggregate using concrete mixing volumetric type	2.87	Cum.	3508.83	Rupees Three Thousand Five Hundred Eight And Eighty Three Paise Only	10070.34
60.3	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.	10.32	Cum.	5895.10	Rupees Five Thousand Eight Hundred Ninety Five And Ten Paise Only	60837.43
60.4	Base course of floor consisting of 100mm thick cement concrete 1:8:16 with stone aggregate 40mm gauge and 100mm fine sand filling using mechanical mixer for mixing of material	22.57	Sqm.	453.12	Rupees Four Hundred Fifty Three And Twelve Paise Only	10226.92
60.5	Conglomerate floor 30mm thick cement concrete topping 1:2:4 (Using mechanical mixer for mixing of material).	33.86	Sqm.	382.60	Rupees Three Hundred Eighty Two And Eighty Paise Only	12861.67
60.6	12.5 mm thick cement plaster 1:5 complete in all respect as per specification, drawing and to the entire satisfaction of Engineer-In-Charge.	22.57	Sqm.	191.82	Rupees One Hundred Ninety One And Eighty Two Paise Only	4320.38
A4	Total A3:- Construction of Security Guard Room adjoining to Main Gate (Single	6.941			240452.59	240154.62
1	Excavation in Soil (any type) using Hydraulic Excavator Ck 90 with Hydraulic excavator of 0.9 Cum bucket capacity including 15% for dewatering, bottom and side slopes, in accordance with IS:12009-1983. The excavated material shall be removed from the site and deposited in a suitable place. The excavated material shall be used for filling the excavated area. The excavated material shall be used for filling the excavated area. The excavated material shall be used for filling the excavated area.	10.55	Cum.	35.82	Rupees Thirty Five And Eighty Two Paise Only	377.9
2	Providing and applying Anti Termite Treatment using pre constructional chemical treatment measures as per IS - 6313 - 2001 ( Part 2 ) & using Chemical containing chloropyrifos systemic insecticide diluted to manufacturer's specifications (i) In foundation pits, by treating the bottom & sides upto height of 300mm by uniformly spraying solution @ 5 Litre / Sqm (ii) In the refill earth on both sides of all built up walls @ 7.5 Litre / Running meter ( width - 300 mm, depth- 450 mm ) (ii) Before laying the floor, by uniformly sprinkling the top surface of the consolidated earth within the outer perimeter @ 5 Litre solution per Sqm.	8.89	ltr	391.90	Rupees Three Hundred Ninety One And Ninety Paise Only	3483.99
3	Cement Concrete 1:4:8 with stone ballast of size, 40 mm gauge, using concrete mixing volumetric type	1.90	Cum.	4018.57	Rupees Four Thousand Eighteen And Fifty Seven Paise Only	7635.28
4	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth.	0.74	Cum	5779.59	Rupees Five Thousand Seven Hundred Seventy Nine And Fifty Nine Paise Only	4275.9
5	First class burnt brick work laid in cement sand mortar 1:6 in foundation and plinth.	8.00	Cum	5811.88	Rupees Five Thousand Eight Hundred Eleven And Eighty Eight Paise Only	46495.04

Signature of Tenderer with seal

Page No. 118.41





Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
6	First class burnt brick work laid in cement sand mortar 1:6 in first storey upto 4 metres above plinth level..					
6.1	Total qty for all floor	7.33	Cum	5956.20	Rupees Five Thousand Nine Hundred Fifty Six And Twenty Paise Only	43658.95
6.2	Extra rate for First Floor	1.11	Cum.	153.81	Rupees One Hundred Fifty Three And Eighty One Paise Only	170.73
7	Damp proof course 4cm thick of cement concrete 1:2:4 with water proofing compound as per manufacture guidelines.	0.34	sqm	271.83	Rupees Two Hundred Seventy One And Eighty Three Paise Only	92.42
8	115 mm thick brick wall with every fourth course reinforced with hoop iron laid in 1:4 cement sand mortar in super structure.	9.02	Sqm	802.72	Rupees Eight Hundred Two And Seventy Two Paise Only	7240.53
9	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes (working pressure 4 kgf / cm <sup>2</sup> ) conforming to IS : 4985, including fixing with MS Clamp	3.05	Rmt.	265.48	Rupees Two Hundred Sixty Five And Forty Eight Paise Only	809.71
	U-PVC pipes (working pressure 4kgf. / sqcm) pipe 110 mm dia.					
10	Providing and fixing 110 mm dia. U.P.V.C bend for Rain water pipe as per IS:14735 including jointing complete as per specifications and to the entire satisfaction of Engineer-in-charge.	1.00	Nos.	142.22	Rupees One Hundred Forty Two And Twenty Two Paise Only	142.22
	UPVC 110 mm bend					
11	Providing and fixing 110 mm dia SWR U.P.V.C Coupling/Socket for Rain water pipe as per IS:14735 including jointing complete as per specifications and to the entire satisfaction of Engineer-in-charge.	1.00	Nos.	88.49	Rupees Eighty Eight And Forty Nine Paise Only	88.49
12	Top khurra 0.6m x 0.6m for rain water pipe in 25mm thick cement concrete 1:2:4 over 50mm thick cement concrete 18:16.	1.00	Nos.	102.79	Rupees One Hundred Two And Seventy Nine Paise Only	102.79
13	Bottom Khurra on ground 1.2m. x 0.6m. consisting of brick on-edge laid in cement mortar 1:3 over 75mm cement concrete 1:8:16 including 12.5m.m. thick cement plaster 1:3.	1.00	Nos.	770.59	Rupees Seven Hundred Seventeen And Forty Nine Paise Only	770.59
14	Providing and fixing in position gratings 150mm x 150mm for gully trap.	1.00	Nos.	87.87	Rupees Eighty Seven And Eighty Seven Paise Only	87.87
	PVC grating					
15	Terracing consisting of tiles 22.86x11.43x3.83cm laid over 25 mm mud plaster 7.5 cm mud filling on another layer of 25mm mud plaster including two coats of bitumen laid hot at 1.65 Kg./Sqm top of R.C.C. slab including grouting with cement sand mortar 1:4 and top surface to be left clean after wire brushing	10.87	Sqm.	809.61	Rupees Eight Hundred Five And Sixty One Paise Only	8766.98
	Cement concrete 1:2:4 gola 10cm x 10cm concave quadrant along junction of roofs with parapet wall finished smooth, where specially specified.					
16		13.26	Rmt	70.45	Rupees Seventy And Forty Five Paise Only	934.17

Signature of Tenderer with seal

Page No. 118.42

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
17	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in superstructure.					
17.1	Slab	1.61 Cum		6576.14	Rupees Six Thousand Five Hundred Sixty Eight And Sixty Six Paise Only	10575.54 10575.54
17.2	Lintels	1.79 Cum		6576.14	Rupees Six Thousand Five Hundred Sixty Eight And Sixty Six Paise Only	11771.29 11771.29
17.3	Shelves	0.10 Cum		6576.14	Rupees Six Thousand Five Hundred Sixty Eight And Sixty Six Paise Only	657.61 657.61
18	Extra for using computerised concrete batch mixing plant including carriage by transit mixer within 1 km lead (note: where concrete mixer is already included in the rate the same shall be deducted)	1.61 Cum		130.63	Rupees One Hundred Thirty And Sixty Three Paise Only	210.31
19	Extra for carriage of RMC/batch mixed concrete with transit mixture beyond 1st km. for 6 km	1.61 cum		143.28	Rupees One Hundred Forty Three And Twenty Eight Paise Only	230.68
20	Extra for pumping charges of Batch Mix Concrete / Ready mix concrete work (RMC)	1.61 cum		92.71	Rupees Ninety Two And Seventy One Paise Only	149.26
21	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering)	3.96 Sqm		221.24	Rupees Two Hundred Twenty One And Twenty Four Paise Only	876.11
22	Centring and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, shelves etc.	13.28 Sqm		560.46	Rupees Five Hundred Sixty And Forty Six Paise Only	7442.91
23	Centring and shuttering for sides and soffits of beam, beams launchings girders bressumers, lintels	14.32 Sqm		400.33	Rupees Four Hundred And Thirty Three Paise Only	5732.73
24	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% taken only from outside the premises laying in plinth in 15 cm layers including ramming, watering and consolidating including all leads.	2.61 cum		475.27	Rupees Four Hundred Seventy Five And Twenty Seven Paise Only	1240.45 1163.75
25	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% excavated from foundation and taken only from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres.	40.55 Cum 4.22		66.37	Rupees Sixty Six And Thirty Seven Paise Only	2700.20 280.08
26	Base course of floor consisting of 100mm thick cement concrete 1:8:16 with stone aggregate 40mm gauge and 100mm fine sand filling using mechanical mixer for mixing of material	7.73 Sqm.		453.12	Rupees Four Hundred Fifty Three And Twelve Paise Only	3502.62

Signature of Tenderer with seal

Page No. 118.43



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
27	Kota stone slab 20-25 mm thick 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) :	7.88 Sqm		1156.83	Rupees One Thousand One Hundred Fifty Six And Eighty Three Paise Only	9115.82
28	Kotah stone tile 20mm thick in skirting, riser of steps, dado walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 Cement and 3 Sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing	1.86 Sqm		<del>1412.68</del> <b>1407.56</b>	<del>Rupees One Thousand Four Hundred Twelve And Sixty Eight Paise Only</del>	<del>2627.58</del> <b>2619.06</b>
29	Providing and fixing Morwad Marble Strip 12mm to 15mm thick and 100 mm wide in kotah stone flooring over 12.50mm thickness base of cement mortar 1:3 jointed with cement slurry including cost of additional mortar equivalent to the kota stone thickness and colouring pigment to match the colour rubbed and polished to granolithic finish complete in all respects, respects.	8.80 Rmt		130.63	Rupees One Hundred Thirty And Sixty Three Paise Only	1149.54
30	Coloured Granite stone tiles 15mm to 20mm thick in skirting, risers of steps, dado walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone, including rubbing and polishing including labour for fixing dowel pins and cramps.	1.99 Sqm		3454.51	Rupees Three Thousand Four Hundred Fifty Four And Fifty One Paise Only	6874.47
31	12.5mm thick cement plaster 1:5.	16.67 Sqm.		191.82	Rupees One Hundred Ninety One And Eighty Two Paise Only	3197.64
32	20 mm thick cement plaster 1:5 in two coats work.	16.67 Sqm		261.92	Rupees Two Hundred Sixty One And Ninety Two Paise Only	4356.21
33	12.5 mm thick cement plaster 1:4.	34.62 Sqm		200.25	Rupees Two Hundred And Twenty Five Paise Only	6932.66
34	20mm thick cement plaster 1:4 in two coat work.	34.62 Sqm		275.62	Rupees Two Hundred Seventy Five And Sixty Two Paise Only	9541.96
35	Supplying and fixing of Japani sheet frames (Chowkat) consisting of 18 gauge (1.25mm) thick steel sheet of the specified section (standard design latest), including iron lugs (hold fasts) iron hinges conforming to PWD specifications including bolts for fixing steps, lock notch provision for receiving tower bolts and finished, fixed in position including the cost of cement concrete 1:3:6 for filling in the frame and cement concrete 1:2:4 for lugs complete to the satisfaction of Engineer-in-charge.					
35.1	Door and window frame of size 113mmx60mmx with 35mm wide single rebate	7.74 Rmt		783.80	Rupees Seven Hundred Eighty Three And Eighty Paise Only	6066.61

Signature of Tenderer with seal

Page No. 118.44

**XEN**

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOU Rs.	NT P
				Figure	Words		
35.2	Doors and windows frame of size 151mm x 60mm with 35 mm wide double rebate weighing 3.95 kg per meter.	32.50	Rmt	963.32	Rupees Nine Hundred Sixty Three And Thirty Two Paise Only	3	307.9
36	Providing & fixing of Box type steel windows, made of various ERW section outer 60mm x 25mm, central mullion 60mm x 25mm, for shutter 50mm x 20mm having thickness of 1.25mm (18 gauge), shash bar MS Tee 25mm x 3mm where required joints milled and electrically flash-welded, with iron fittings including necessary iron handles hinged cleat, tower bolts, iron hold fast and pintle hinges complete (excluding glazing and wire gauge) and finished with ready mixed paint red lead non setting primer complete as per specification. Drawings and to the entire satisfaction of engineer-in-charge. (Note:- Glazing, wire gauge and grill will be paid as per respective items)	144.76	kg	145.99	Rupees One Hundred Forty Five And Ninety Nine Paise Only	21	33.51
37	Wire gauge fixed on steel windows of standard rolled steel section, with 3mm thick flat iron cover moulding of 12.5mm width, fixed with machine screws, complete in all respects.	3.36	Sqm	795.39 651.47	Rupees Seven Hundred Ninety Five And Thirty Nine Paise Only	26 3207	72.51 -02
38	Supplying and fixing glass panes with glazing clips and special metal sash putty of approved make.						
38.1	Glass panes 4mm or 10.75 kg / sqm exceeding 0.4 sqm of area	6.72	sqm	629.99	Rupees Six Hundred Twenty Nine And Ninety Nine Paise Only	4	33.53
39	Extra for providing & fixing Steel Tube beading size 12mm x 12mm, 18 gauge of approved shape and section with screw for fixing of glass panes in stead of glazing clips and metal sash putty in steel doors, windows & Ventilators complete in all respect	44.12	rmt	70.80	Rupees Seventy And Eighty Paise Only	3	123.7
40	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, riveted or welded or forged, framed window guards, barred iron doors, stair case, iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.	1.16	Qtl	10798.95	Rupees Ten Thousand Seven Hundred Ninety Eight And Ninety Five Paise Only	12	526.78
41	Factory manufactured flush door fixed in position iron hinges, etc (excluding the cost of any fittings other than specified above but including labour for fixing the same in position (Code : II Revision IS-2191 Part-I) 1973. Commercial with elm or gurban facing on both \ Sides with laminated core and lipped edges:-	2.28	Sqm	2430.42	Rupees Two Thousand Four Hundred Thirty And Forty Two Paise Only	5	541.36
42	35mm thick Cost of Aluminium fittings complete for doors, windows such as tower bolts, handless and screw etc. for these fittings (Excluding sliding bolt) For shutter area above 0.50 sqm	2.28	Sqm	116.94	Rupees One Hundred Sixteen And Ninety Four Paise Only	2	66.62

Signature of Tenderer with seal

Page No. 118.45



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs. P
43	Providing & fixing factory made Solid PVC Chowkhat Door frame of the size 50mm x 47mm with a wall thickness of 5mm made out of extruded 5mm PVC foam sheet, mitre cut at 2 corners & joined with 2 Nos of 150mm long brackets of 15 x 15mm M.S square tube, the two vertical doors profiles are to be reinforced with 19 x 19mm M.S square tube of 19 gauge, the door framed shall be fixed to the wall using 65/100mm long M.S screws through the frame by using fasteners, a minimum of 4 nos of screws to be provided for each vertical member & minimum 2nos for horizontal member etc. as per manufacturer's specification conforming to test criteria specified in IS-4020-1998, Drawings and to the entire satisfaction of engineer-in-charge.					
43.1	For fixed portion & Chaukhat	4.86 rmt		501.47	Rupees Five Hundred One And Forty Seven Paise Only	2447.17
44	Providing & fixing 30mm thick Factory Made solid Panel PVC Door shutter (Panel thickness 10mm) Consisting of frame made out of M.S tubes of 19 gauge thickness and size of 19mm x 19mm for stiles & 15mm x 15mm for top & bottom rails. M.S frame shall have a coat of steel primers of approved make & manufacture. M.S frame shall be covered with 5mm thick heat moulded PVC 'C' Channel of size 30 x 50mm forming stiles, and 5mm thick, 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Paneling of 5mm thick PVC sheet to be fitted in the M.S Frame welded/Sealed to the stiles & Rails with 30mm wide x 5mm thick PVC sheet beading on either side and joined together with solvent cement adhesive an additional 5mm thick PVC strips of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent cement adhesive etc. complete as per manufacturer's specification conforming to test criteria specified in IS-4020-1998, Drawings and to the entire satisfaction of engineer-in-charge.	1.57 sqm		3810.51	Rupees Three Thousand Eight Hundred Ten And Fifty One Paise Only	5982.5
45	Providing and fixing aluminium sliding door bolts ISI marked anodized (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 :	1.00 Nos		209.65	Rupees Two Hundred Nine And Sixty Five Paise Only	209.65
46	Cold twisted deformed (Ribbed/ Tor Steel Bar/TMT) Bars Fe 500 grade as per IS 1786-2008, for R.C.C works, where not including in the complete rate of RCC including bending and placing in position complete	12.45 Qlt		7876.91	Rupees Seven Thousand Eight Hundred Seventy Six And Ninety One Paise Only	98067.53

98067.53

98067.53

Signature of Tenderer with seal

Page No. 118.46

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. - P
				Figure	Words	
47	Providing and applying plaster of paris (ISI marked such as JK, Kohinoor, Maharaja etc.) punning 6mm thickness over plastered surface to prepare the surface even and smooth complete in all respect as per the directions of Engineer-in-charge.	10.60	Sqm	297.09	Rupees Two Hundred Ninety Seven And Nine Paise Only	3149.15
48	Applying priming coat with cement primer in all shade of newly plastered or concrete exterior surface.	113.17	Sqm	22.12	Rupees Twenty Two And Twelve Paise Only	2503.92
49	Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade (two or more coats)	43.93	Sqm	79.01	Rupees Ninety Three And Seventy Six Paise Only	4118.88
50	Finishing walls with Premium Acrylic smooth exterior paint with smoother additives of required shade with two or more coats applied @ 1.43litre/10 Sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 Sqm	69.24	Sqm	145.39	Rupees One Hundred Forty Five And Thirty Eight Paise Only	10066.41
51	Preparation of plywood surface for painting including sand papering the surface and applying filling with approved quality fillers consisting of white lead, linseed oil, Varnish, and Chalk Mitti including finishing the surface to required finish complete.	5.13	Sqm	45.30	Rupees Forty Five And Thirty Paise Only	232.39
52	Applying pink primer or aluminum priming coat on wood work including preparation of surface knotting and stopping etc.	5.13	Sqm	29.50	Rupees Twenty Nine And Fifty Paise Only	151.34
53	Applying priming coat with metal primer on new steel or iron work including preparation of surface.	13.94	Sqm	25.28	Rupees Twenty Five And Twenty Eight Paise Only	352.4
54	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.	19.07	Sqm	69.53	Rupees Sixty Nine And Fifty Three Paise Only	1325.94
55	Construction of Plinth protection complete as per drawing.					
55.1	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15 cm. layers with compaction including disposal of all surplus soil as directed within a lead of 30 metres.	1.91	Cum.	191.74	Rupees One Hundred Ninety One And Seventy Four Paise Only	366.22
55.2	Cement Concrete 1:8:16 with 40mm gauge stone aggregate using concrete mixing volumetric type	0.76	Cum.	3508.83	Rupees Three Thousand Five Hundred Eight And Eighty Three Paise Only	2666.71
55.3	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.	2.75	Cum.	5895.10	Rupees Five Thousand Eight Hundred Ninety Five And Ten Paise Only	16211.53
55.4	Base course of floor consisting of 100mm thick cement concrete 1:8:16 with stone aggregate 40mm gauge and 100mm fine sand filling using mechanical mixer for mixing of material	0.84	Sqm.	453.12	Rupees Four Hundred Fifty Three And Twelve Paise Only	380.62

Signature of Tenderer with seal

Page No. 118.47

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Words	Estimated Rate	AMOUNT Rs. P
55.5	40 Conglomerate floor 50mm thick cement concrete topping 1:2:4 (Using mechanical mixer for mixing of material)	9.04	Sqm.	382.80	Rupees Three Hundred Eighty Two And Eighty Paise Only		3460.51 3028.76
55.6	12.5 mm thick cement plaster 1:5 complete in all respect as per specification, drawing and to the entire satisfaction of Engineer-In-Charge.	6.03	Sqm.	191.82	Rupees One Hundred Ninety One And Eighty Two Paise Only		1156.67
A5	Total A4:- Construction of Two Wheeler Parking Shed as per Architect drawings & PWD Specifications					444971.51	451874.08
1	Excavation in Soil (any type) using Hydraulic Excavator CK 50 with hydraulic excavator of 0.9 0 with cum load capacity including cutting, trimming bottom and side slopes, in accordance with the components of line, grades and cross sections, including all lifts and combined lead upto 30m. Entering under floors with surplus ordinary soil or soil containing gravel or kankar upto 40mm excavated from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres (34+633.97+5.35%=102.16)	69.84	Cum.	25.82 102.19	Rupees Thirty Five And Eighty Two Paise Only		2501.67 7136.85
2	Cement Concrete 1:4:8 with stone ballast of size. 40 mm gauge. using concrete mixing volumetric type	10.40	Cum.	4018.57	Rupees Four Thousand Eighteen And Fifty Seven Paise Only		41793.13
3	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth.						
3.1	Footling	11.67	Cum.	5779.59 5787.06	Rupees Five Thousand Seven Hundred Seventy Nine And Fifty Nine Paise Only		67447.82 67534.99
0.1	Col	6.48	Cum.	5779.59 5787.06	Rupees Five Thousand Seven Hundred Seventy Nine And Fifty Nine Paise Only		37451.74 37500.15
4	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering)	33.11	sqm	221.24	Rupees Two Hundred Twenty One And Twenty Four Paise Only		7325.26
5	First class burnt brick work laid in cement sand mortar 1:6 in foundation and plinth.	12.80	Cum	5811.88	Rupees Five Thousand Eight Hundred Eleven And Eighty Eight Paise Only		74392.06
6	Base course of floor consisting of 100mm thick cement concrete 1:8:16 with stone aggregate 40mm gauge and 100mm fine sand filling using mechanical mixer for mixing of material	172.65	sqm	51453.12 445.51	Rupees Four Hundred Fifty Three And Twelve Paise Only		76231.17 24534.24
7	Earth filling with good quality earth obtained from out side the plinth including compensation of earth, loading, unloading, carriage from outside the premises to site of work, spreading, laying watering compacting with rammer complete as per specifications.	55.16	Cum	475.27 445.08	Rupees Four Hundred Seventy Five And Twenty Seven Paise Only		26215.89 24594.74

XEN

Signature of Tenderer with seal

Page No. 118.48

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs. P
8	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% excavated from foundation and taken only from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres.	69.84 21.94	Cum	66.37	Rupees Sixty Six And Thirty Seven Paise Only	4635.28 1554.38
9	Cold twisted deformed (Ribbed/ Tor Steel Bar/TMT) Bars Fe 500 grade as per IS 1786-2008, for R.C.C works, where not including in the complete rate of RCC including bending and placing in position complete	12.44	Qil	7876.91 7919.16	Rupees Seven Thousand Eight Hundred Seventy Six And Ninety One Paise Only	97888.76 98514.35
10	Steel work in built up tubular pipes (round, square or rectangular hollow tubes etc. ISI Marked) for flat shed (ie. Where no truss work is involved) 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.	15.20	qtl	10410.66	Rupees Ten Thousand Four Hundred Ten And Sixty Six Paise Only	158242.03
11	Nuts & Bolts of all sizes and length required	27.31	Kg.	122.21	Rupees One Hundred Twenty Two And Twenty One Paise Only	3337.56
12	Providing and fixing ( PPGL) precast painted galvalume sheet roofing (size, shape and pitch of corrugation as approved by Engineer-in-charge) The end rib shall have anti capillary groove and return leg. The steel sheet must be having yield strength of 550 MPa ( Fy= 550 MPa) metallic coated with Zinc- Aluminium alloy ( i.e. 55% Al, 43.4%Zinc, 1.6% Si- Zincalume) AZ150 ( Min. 150 bm/mm2 total on both sides), pre painted with super Durable Polyester XRW quality paint includes inorganic infrared reflective pigment. The sheet confirms to general requirement of AS/NZS 2728 type 4/ IS 15965 class 3 durability and gloss value of 25% -40%. 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.					
12.1	0.50 mm (+ 0.05 %) thick	104.51	Sqm	823.10	Rupees Eight Hundred Twenty Three And Ten Paise Only	86022.18
13	Applying priming coat with metal primer on new steel or iron work including preparation of surface.	45.28	Sqm	25.28	Rupees Twenty Five And Twenty Eight Paise Only	1144.68
14	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.	45.28	sqm	69.53	Rupees Sixty Nine And Fifty Three Paise Only	3148.32
	Total A5:-					690771.95 689877.56

Signature of Tenderer with seal

Page No. 118.49



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs.
B	Outer infrastructure					
B1	Construction of Boundary Wall with G-111 & Gate					
1	Excavation in Soil (any type) using Hydraulic Excavator Ck 90 with hydraulic excavator of 0.9 cum bucket capacity including cutting, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, including all lifts and confined lead upto 30m. Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% excavated from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres (4-103+97+5.35%+102.19)	2463.08	Cum.	85.82 102.19	Rupees Thirty Five And Eighty Two Paise Only	88727.55 25702.15
2	Earth filling in foundation (Back Filling and Under Floor) with surplus ordinary soil or soil containing gravel or kankar upto 40% excavated from foundation and taken only from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres.	4477.85	Cum	66.37	Rupees Sixty Six And Thirty Seven Paise Only	91084.9
3	Cement concrete 1:5:10 with 40 mm gauge stone ballast, using concrete mixing volumetric type	71.73	Cum.	3814.27	Rupees Three Thousand Eight Hundred Fourteen And Twenty Seven Paise Only	273597.59
4	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.	434.03	Cum	5895.10	Rupees Five Thousand Eight Hundred Ninety Five And Ten Paise Only	2558550.25
5	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth.	248.70	Cum	5779.59 5787.06	Rupees Five Thousand Seven Hundred Seventy Nine And Fifty Nine Paise Only	143784.03 1439281.52
6	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering)	2361.30	Sqm	221.24	Rupees Two Hundred Twenty One And Twenty Four Paise Only	52214.01
7	Reinforced cement concrete M-25 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in superstructure.	68.15	Cum	6848.74 6576.14	Rupees Six Thousand Eight Hundred Forty Three And Seventy Four Paise Only	46800.88 448163.97
8	Centring and shuttering for Columns (Square or Rectangular or polygonal in plan)	1334.51	Sqm	502.52	Rupees Five Hundred Two And Fifty Two Paise Only	67017.97
9	Centring and shuttering for sides and soffits of beam, beams launchings girders bressumers, lintels	302.23	Sqm	400.33	Rupees Four Hundred And Thirty Three Paise Only	12091.74
10	Cold twisted deformed (Ribbed/ Tor Steel Bar/TMT) Bars Fe 500 grade as per IS 1786-2008, for R.C.C. works, where not including in the complete rate of RCC including bending and placing in position complete	407.49	Qtl	2876.91 7919.8	Rupees Seven Thousand Eight Hundred Seventy Six And Ninety One Paise Only	320962.05 3226978.57

Signature of Tenderer with seal

Page No. 118.50

9  
XEN

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMC UNT P
11	Providing and laying in super structure for first storey factory made with vibro-hydraulic compaction machine precast Hollow block of cement concrete setting in position with cement mortar 1:3 (1 cement:3 coarse sand) including cost of hosting, centering and shuttering complete as per IS:2185 (Part-1): 2005.	183.95	Cum	7890.79	Rupees Seven Thousand Eight Hundred Ninety And Seventy Nine Paise Only	1451510.82
12	12.5mm thick cement plaster 1:4.	682.95	Sqm.	200.25	Rupees Two Hundred And Twenty Five Paise Only	136760.74
13	20mm thick cement plaster 1:4 in two coat work.	906.68	Sqm.	275.62	Rupees Two Hundred Seventy Five And Sixty Two Paise Only	249888.14
14	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, riveted or welded or forged, framed window guards, barred iron doors, stair case, iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.	50.69	qtl	10798.95	Rupees Ten Thousand Seven Hundred Ninety Eight And Ninety Five Paise Only	547398.78
15	Iron grated doors, including pintle hinges and arrangements.	12.00	Qtl	10630.39	Rupees Ten Thousand Six Hundred Thirty And Thirty Nine Paise Only	127564.68
16	Finishing walls with Premium Acrylic smooth exterior paint with silicon additives of required shade with two or more coats applied @ 1.43litre/10 Sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 Sqm	3403.00	sqm.	145.38	Rupees One Hundred Forty Five And Twenty Eight Paise Only	494728.14
17	Applying priming coat with metal primer on new steel or iron work including preparation of surface.	22.30	Sqm	25.28	Rupees Twenty Five And Twenty Eight Paise Only	563.74
18	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.	22.30	sqm	69.53	Rupees Sixty Nine And Fifty Three Paise Only	1550.52
B2	Construction of Internal Drive Way , Parking & Raised Pavement/Footpath including approach road from Main road to School Gate				12389472.19	1246107.52
1	Construction of embankment with good quality earth obtained from borrow pits including compensation of earth, loading, unloading, carriage to site of work, spreading, grading to required slope and compacting to meet requirement of table 300-2 as per technical clause 305 of MORT&H specifications.	18172.72	Cum.	544.92	Rupees Five Hundred Eleven And Ninety Two Paise Only	992678.82
2	Granular Sub Base Grade I Construction of granular sub-base by providing material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per MORT technical specifications	1416.71	Cum.	4545.43	Rupees One Thousand Five Hundred Forty Five And Forty Three Paise Only	2439426.14

ballast of the 40mm gauge w/cy concrete mixing volumetric type.

Signature of Tenderer with seal

Page No. 118.51

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	Amount Rs. P
3	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per technical clause 406 of MORT&H specifications	1415.71 Cum.		2013.39	Rupees Two Thousand Thirteen And Thirty Nine Paise Only	852389.75
4	Construction of un-reinforced M-30 grade concrete pavement with dowel jointed over a prepared sub base with 43 grade OPC cement of concrete, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a fully computerised batch mix plant as per approved mix design, transported to site in transit mixer with lead up to 10 km, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per clause 602 of MORT&H 5th Revision	353.73 Cum.		6131.54	Rupees Six Thousand One Hundred Thirty One And Fifty Four Paise Only	168909.64
5	Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M-35 grade machine made rubber moulded smooth finish with strong vibratory process or with vibro- hydraulic compaction machine and of approved size and design / shape laid in Ordinary Grey and pattern over and including 40 mm thick compacted bed of coarse sand, filling the joints with fine sand etc, all complete as per directions of Engineer-in-Charge.	4270.45 sqm		682.35	Rupees Six Hundred Eighty Two And Thirty Five Paise Only	913941.56
6	IS Code : 15658 (2006) Extra Cost for using darker fast shade for interlocking pavers Tiles of any shape & thickness instead of grey colours.	427.05 sqm		68.48	Rupees Sixty Eight And Forty Eight Paise Only	29244.38
7	Jungle clearance.	1.92 hect		5267.50	Rupees Five Thousand Two Hundred Sixty Seven And Fifty Paise Only	10113.6
8	Making dewatering arrangement by pumping set 4" *4" (Tractor driven)	707.50 hrs		829.10	Rupees Eight Hundred Twenty Nine And Ten Paise Only	586588.25
9	Removal/ Clearance of slush from wet drains by mechanical means	4767.27 Cum		85.33	Rupees Eighty Five And Thirty Three Paise Only	406791.15
10	Disposal of Malba outside the premises loading / unloading including all leads as desired by Engineer in charge.	3679.57 Cum		226.13	Rupees Two Hundred Twenty Six And Thirteen Paise Only	832061.16

Signature of Tenderer with seal

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs. — P
11	Boulder Apron Laid in Wire Crates Providing and laying of boulder apron laid in wire crates made with 4mm dia GI wire conforming to IS: 280 & IS-4826 in 100mm x 100mm mesh (waved diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 18 kg, including excavation for trimming for preparation of bed Boulder Apron Laid in Wire Crates	398.79	Cum	3355.70	Rupees Three Thousand Three Hundred Fifty Five And Seventy Paise Only	1338219.6
12	Grouting stone filling or pitching - With mortar.	654.55	sqm	169.61	Rupees One Hundred Sixty Nine And Sixty One Paise Only	111018.23
13	First class burnt brick work laid in cement sand mortar 1:5 in first storey upto 4 metres above plinth level.	67.30	Cum	8040.78	Rupees Six Thousand Forty And Forty Eight Paise Only	408524.3
14	12.5mm thick cement plaster 1:5.	540.00	sqm	5895.16	Rupees One Hundred Ninety One And Eighty Two Paise Only	396740.23
15	Finishing walls with acrylic smooth exterior paint of required shade with two or more coats applied @ 1.67 litre/10sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 Sqm	540.00	Sqm	126.42	Rupees One Hundred Twenty Six And Forty Two Paise Only	103582.8
16	Precast Cement Concrete Kerb Providing and laying factory made rubber moulded smooth finish cement concrete Kerb M-20 grade 250mm high with bottom width 165mm and top width 115mm made over strong vibratory table and fixing with cement mortar 1:2 as per MORT&H specifications	1604.48	mt.	376.69	Rupees Three Hundred Seventy Six And Sixty Nine Paise Only	604391.57
17	Earth work in excavation in foundations, trenches, etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 Mtr. depth and subsequent filling around masonry in 15 cm layers with compaction including disposal of all surplus soil as directed within a lead of 30 Mtr. complete in all respect as per specification, drawing and to the entire satisfaction of Engineer-In-Charge.	139.67	cum	191.74	Rupees One Hundred Ninety One And Seventy Four Paise Only	26780.33
18	Cement Concrete 1:8:16 with 40mm guage stone aggregate using concrete mixing volumetric type	93.11	cum	3508.83	Rupees Three Thousand Five Hundred Eight And Eighty Three Paise Only	326707.16
19	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.	265.37	cum	5895.10	Rupees Five Thousand Eight Hundred Ninety Five And Ten Paise Only	1564382.69
20	Providing and Laying Out Door Precast Designer chequered tiles of any size & any shape 25mm thickness having top layer of white cement mixed with pigment, laid on 20mm thick bed of ordinary cement mortar 1:3 (1 ordinary cement :3 fine sand), joints grouted with white cement slurry containing pigment to match the shade complete in all respect as per specifications and to the entire satisfaction of engineer-in-charge.	1937.95	sqm.	1081.54	Rupees One Thousand Eighty One And Fifty Four Paise Only	2095970.44

Signature of Tenderer with seal

Page No. 118.53

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
21	Applying priming coat with cement primer in all shade on newly plastered or concrete exterior surface	722.02	sqm.	22.12	Rupees Twenty Two And Twelve Paise Only	159 71.08
22	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.	722.02	sqm.	69.53	Rupees Sixty Nine And Fifty Three Paise Only	502 02.05
B3	<b>Construction of Badminton Court in Concrete with Chain link Fencing 2 Nos</b>					
	Total B2 :				24820753.9	28004 461.5
1	Compaction of earth work & Preparation of sub grade including loosening, leveling of earth 225mm thick top layer, rough dressing of soil, final dressing of earth to give level, camber, watering, rolling with road roller, compacting the bed to achieve minimum dry density as given in the Table 300-2 as per Technical clause 305 of MORT&H specifications.	1292.00	sqm	6.32	Rupees Six And Thirty Two Paise Only	81 65.44
2	Granular Sub-Base Grade 1 Cement concrete 1:4:8 with 10% stone Construction of granular sub-base by providing material spreading in uniform layers with motor grader on prepared surface, mixing by mix-in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per MORT technical specifications <i>ballast 40mm gauge using volumetric method</i>	193.80	cum	1545.43	Rupees One Thousand Five Hundred 4018.58 Forty Five And Forty Three Paise Only.	2995 04.83 778 8 20.8
3	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per technical clause 406 of MORT&H specifications	493.80	cum	2013.39	Rupees Two Thousand Thirteen And Thirty Nine Paise Only	3901 94.98
4	Construction of unreinforced plain cement concrete pavement in M-30 mix design over a prepared sub base with OPC 43 grade conforming to IS:383 mixed with concrete mixer using batch type concrete mixer as per IS:1791, laid in position, compacted with needle vibrator, screed vibrator and plate vibrator, dewatering of free water with vacuum pump, finishing the surface with power float, finishing to required lines and grades as per drawings and technical clause 1501 of MORT specifications	258.40	cum	5817.44	Rupees Five Thousand Eight Hundred Seventeen And Forty Four Paise Only	1503 226.5

XEN

Signature of Tenderer with seal

Page No. 118.54

Sl. No.	Description of work	No.or Qty.	Unit	Figure	Words	Estimated Rate	A MOUNT Rs. P
5	Providing & laying multilayer Polyurethane flooring (10+2mm) consisting of primer on asphalt surface, elastic layer SBR matt (5-12mm), Pore sealer (0.1mm), Cast coating (2-3mm), Antiskid multilap (0.5mm) including marking of ground approved by ITF on already laid flooring system complete in all respect & as per specifications laid in Handbook on field of Play published by SAI	163.48	Sqm.	6455.08 5817.90	Rupees Six Thousand One Hundred Fifty Five And Eight Paise Only	1066232.48 95110.29	
6	Providing & Fixing International Standard Badminton pole fixed & height adjustable for men and women model made of 3" inner and 3.5" outer round pipe having clear height 155cm, fine quality PU spray paint including cost of Volley ball Net made of Polyester white colour size 152.4cm x 76cm, mesh size 100mm x 100mm complete as per specification & as desired by Engineer-in-Charge.	2.00	pair	66709.07 56154.40	Rupees Fifty Six Thousand Seven Hundred Nine And Seven Paise Only	134418.14 12368.40	
7	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15 cm. layers with compaction including disposal of all surplus soil as directed within a lead of 30 metres.	69.30	cum	191.74	Rupees One Hundred Ninety One And Seventy Four Paise Only	13287.58	
8	Cement Concrete 1:4:8 with stone ballast of size. 40 mm gauge, using concrete mixing volumetric type	12.60	cum	4018.57	Rupees Four Thousand Eighteen And Fifty Seven Paise Only	50633.98	
9	Cement Concrete 1:2:4 with stone ballast or shingle using concrete mixing volumetric type	2.22	cum	5289.39	Rupees Five Thousand Two Hundred Eighty Nine And Thirty Nine Paise Only	11742.45	
10	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.	64.44	cum	5895.10	Rupees Five Thousand Eight Hundred Ninety Five And Ten Paise Only	379880.24	
11	Conglomerate floor 50mm thick cement concrete topping 1:2:4 (Using mechanical mixer for mixing of material).	48.30	sqm	882.80 336.77	Rupees Three Hundred Eighty Two And Eighty Paise Only	18489.24 16265.99	
12	12.5 mm thick cement plaster 1:3:5	63.00	sqm	210.78 191.82	Rupees Two Hundred Ten And Seventy Eight Paise Only	13279.14 12084.66	
13	Providing and laying factory made rubber moulded smooth finish cement concrete Channel M-20 grade 300mm wide and 75mm thick made (in shape of Soccer drain) over strong vibratory table and fixing with cement mortar 1:2 as per MORT&H specifications	209.60	rmt	246.23	Rupees Two Hundred Forty Six And Twenty Three Paise Only	51609.81	
14	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, riveted or welded or forged, framed window guards, barred iron doors, stair case, iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.	43.26	Qtl	10798.95	Rupees Ten Thousand Seven Hundred Ninety Eight And Ninety Five Paise Only	467162.58	

Signature of Tenderer with seal

Page No. 118.55

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
15	Applying priming coat with metal primer on new steel or iron work including preparation of surface.	142.36	sqm	25.28	Rupees Twenty Five And Twenty Eight Paise Only	3598.86
16	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.	142.36	Sqm	69.53	Rupees Sixty Nine And Fifty Three Paise Only	9898.29
17	Providing & Fixing wire mesh GI Chain link 10 gauge mesh size 50mm ISI 2721:1979 fixed with nut and bolt on vertical post and touch welding on horizontal member complete in all respect as per specification and as desired by Engineer in charge.	420.00	Sqm	681.92	Rupees Six Hundred Eighty One And Ninety Two Paise Only	288488.4
	Total B3:-			658.94		275914.8
B4	Construction of Basket Ball Court in Concrete with Chain link Fencing				4645750.27	4626730.44
1	Compaction of earth work & Preparation of sub grade including loosening, leveling of earth 225mm thick top layer, rough dressing of soil, final dressing of earth to give level, camber, watering, rolling with road roller, compacting the bed to achieve minimum dry density as given in the Table 300-2 as per Technical clause 305 of MORT&H specifications.	709.41	sqm	6.32	Rupees Six And Thirty Two Paise Only	4483.47
2	Gravel Sub Base Grade 1 - Cement concrete 1:4:8 with 40 Construction of granular sub-base by providing material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per MORD technical specifications - 1501 to 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2768, 2769, 2770, 2771, 2772, 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 2789, 2790, 2791, 2792, 2793, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2936, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 2991, 2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3007, 3008, 3009, 3010, 3011, 3012, 3013, 3014, 3015, 3016, 3017, 3018, 3019, 3020, 3021, 3022, 3023, 3024, 3025, 3026, 3027, 3028, 3029, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3041, 3042, 3043, 3044, 3045, 3046, 3047, 3048, 3049, 3050, 3051, 3052, 3053, 3054, 3055, 3056, 3057, 3058, 3059, 3060, 3061, 3062, 3063, 3064, 3065, 3066, 3067, 3068, 3069, 3070, 3071, 3072, 3073, 3074, 3075, 3076, 3077, 3078, 3079, 3080, 3081, 3082, 3083, 3084, 3085, 3086, 3087, 3088, 3089, 3090, 3091, 3092, 3093, 3094, 3095, 3096, 3097, 3098, 3099, 3100, 3101, 3102, 3103, 3104, 3105, 3106, 3107, 3108, 3109, 3110, 3111, 3112, 3113, 3114, 3115, 3116, 3117, 3118, 3119, 3120, 3121, 3122, 3123, 3124, 3125, 3126, 3127, 3128, 3129, 3130, 3131, 3132, 3133, 3134, 3135, 3136, 3137, 3138, 3139, 3140, 3141, 3142, 3143, 3144, 3145, 3146, 3147, 3148, 3149, 3150, 3151, 3152, 3153, 3154, 3155, 3156, 3157, 3158, 3159, 3160, 3161, 3162, 3163, 3164, 3165, 3166, 3167, 3168, 3169, 3170, 3171, 3172, 3173, 3174, 3175, 3176, 3177, 3178, 3179, 3180, 3181, 3182, 3183, 3184, 3185, 3186, 3187, 3188, 3189, 3190, 3191, 3192, 3193, 3194, 3195, 3196, 3197, 3198, 3199, 3200, 3201, 3202, 3203, 3204, 3205, 3206, 3207, 3208, 3209, 3210, 3211, 3212, 3213, 3214, 3215, 3216, 3217, 3218, 3219, 3220, 3221, 3222, 3223, 3224, 3225, 3226, 3227, 3228, 3229, 3230, 3231, 3232, 3233, 3234, 3235, 3236, 3237, 3238, 3239, 3240, 3241, 3242, 3243, 3244, 3245, 3246, 3247, 3248, 3249, 3250, 3251, 3252, 3253, 3254, 3255, 3256, 3257, 3258, 3259, 3260, 3261, 3262, 3263, 3264, 3265, 3266, 3267, 3268, 3269, 3270, 3271, 3272, 3273, 3274, 3275, 3276, 3277, 3278, 3279, 3280, 3281, 3282, 3283, 3284, 3285, 3286, 3287, 3288, 3289, 3290, 3291, 3292, 3293, 3294, 3295, 3296, 3297, 3298, 3299, 3300, 3301, 3302, 3303, 3304, 3305, 3306, 3307, 3308, 3309, 3310, 3311, 3312, 3313, 3314, 3315, 3316, 3317, 3318, 3319, 3320, 3321, 3322, 3323, 3324, 3325, 3326, 3327, 3328, 3329, 3330, 3331, 3332, 3333, 3334, 3335, 3336, 3337, 3338, 3339, 3340, 3341, 3342, 3343, 3344, 3345, 3346, 3347, 3348, 3349, 3350, 3351, 3352, 3353, 3354, 3355, 3356, 3357, 3358, 3359, 3360, 3361, 3362, 3363, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3371, 3372, 3373, 3374, 3375, 3376, 3377, 3378, 3379, 3380, 3381, 3382, 3383, 3384, 3385, 3386, 3387, 3388, 3389, 3390, 3391, 3392, 3393, 3394, 3395, 3396, 3397, 3398, 3399, 3400, 3401, 3402, 3403, 3404, 3405, 3406, 3407, 3408, 3409, 3410, 3411, 3412, 3413, 341					

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
5	Providing & laying multilayer Polyurethane flooring (10+2mm) consisting of primer on asphalt surface, elastic layer SBR matt (5-12mm), Pore sealer (0.1mm), Cast coating (2-3mm), Antiskid multilap (0.5mm) including marking of ground approved by ITF on already laid flooring system complete in all respect & as per specifications laid in Handbook on field of Play published by SAI	420.00	Sqm.	6455.08 5817.96	Rupees Six Thousand One Hundred Fifty Five And Eight Paise Only	2585133.6 2443518.00
6	Providing & fixing international standard board size : 180cm x 105cm, 25mm Transparent Acrylic Board, with Padding standard pole extension 3.20 mtr made of 6 inch square pipe with flange coupling design with heavy dunking ring & nylon net, pole padding on front, Best quality pu spray paint complete as per specification & as desired by Engineer-in-Charge.	1.00	pair	397226.94 393294	Rupees Three Lakh Ninety Seven Thousand Two Hundred Twenty Six And Ninety Four Paise Only	397226.94 393294.00
7	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15 cm. layers with compaction including disposal of all surplus soil as directed within a lead of 30 metres.	61.99	cum	191.74	Rupees One Hundred Ninety One And Seventy Four Paise Only	11885.96
8	Cement Concrete 1:4:8 with stone ballast of size. 40 mm gauge. using concrete mixing volumetric type	11.27	cum	4018.57	Rupees Four Thousand Eighteen And Fifty Seven Paise Only	45289.28
9	Cement Concrete 1:2:4 with stone ballast or shingle using concrete mixing volumetric type	2.00	cum	5289.39	Rupees Five Thousand Two Hundred Eighty Nine And Thirty Nine Paise Only	10578.78
10	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.	57.62	cum	5895.10	Rupees Five Thousand Eight Hundred Ninety Five And Ten Paise Only	339675.56
11	Conglomerate floor 80mm thick cement concrete topping 1:2:4 (Using mechanical mixer for mixing of material).	43.21	sqm	336.77 336.77	Rupees Three Hundred Eighty Two And Eighty Paise Only	14551.83
12	12.5 mm thick cement plaster 1:3:5	56.36	sqm	289.25 191.82	Rupees Two Hundred And Twenty Five Paise Only	11296.99 10810.98
13	Providing and laying factory made rubber moulded smooth finish cement concrete Channel M-20 grade 300mm wide and 75mm thick made (in shape of Soccer drain) over strong vibratory table and fixing with cement mortar 1:2 as per MORT&H specifications	107.22	mt	246.23	Rupees Two Hundred Forty Six And Twenty Three Paise Only	26400.78
14	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, riveted or welded or forged, framed window guards, barred iron doors, stair case, iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.	74.93	Qtl	10798.96	Rupees Ten Thousand Seven Hundred Ninety Eight And Ninety Five Paise Only	809165.32

Signature of Tenderer with seal



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
15	Applying priming coat with metal primer on new steel or iron work including preparation of surface.	245.26	sqm	25.28	Rupees Twenty Five And Twenty Eight Paise Only	6200.17
16	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.	245.26	Sqm	69.53	Rupees Sixty Nine And Fifty Three Paise Only	17052.93
17	Providing & Fixing wire mesh GI Chain link 10 gauge mesh size 50mm ISI 2721:1979 fixed with nut and bolt on vertical post and touch welding on horizontal member complete in all respect as per specification and as desired by Engineer in charge.	375.72	Sqm	656.94	Rupees Six Hundred Eighty One And Ninety Two Paise Only	256210.98 2468255
B5	Total B4:- Construction of Volley Ball Court in concrete with Chain link Fencing				5632728.15	5741203.18
1	Compaction of earth work & Preparation of sub grade including loosening, leveling of earth 225mm thick top layer, rough dressing of soil, final dressing of earth to give level, camber, watering, rolling with road roller, compacting the bed to achieve minimum dry density as given in the Table 300-2 as per Technical clause 305 of MORT&H specifications.	476.00	sqm	6.32	Rupees Six And Thirty Two Paise Only	3008.32
2	Gravel Sub Base Grade-I Cement concrete (1:4:8 with water) Construction of granular sub-base by providing material spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete as per MORT technical specifications. <i>Sub base egg, using vol. material in place</i>	71.40	cum	4545.48	Rupees One Thousand Five Hundred Forty Five And Forty Three Paise Only	140949.7 286926.61
3	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per technical clause 406 of MORT&H specifications	71.40	cum	2013.39	Rupees Two Thousand Thirteen And Thirty Nine Paise Only	143758.05
4	Construction of unreinforced plain cement concrete pavement in M-30 mix design over a prepared sub base with OPC 43 grade conforming to IS:383 mixed with concrete mixer using batch type concrete mixer as per IS:1791, laid in position, compacted with needle vibrator, screed vibrator and plate vibrator, dewatering of free water with vacuum pump, finishing the surface with power floater, finishing to required lines and grades as per drawings and technical clause 1501 of MORT specifications	95.20	cum	5817.44	Rupees Five Thousand Eight Hundred Seventeen And Forty Four Paise Only	553820.29

Signature of Tenderer with seal

Page No. 118.58

KEN

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUN T Rs. P
5	Providing & laying multilayer Polyurethane flooring (10-2mm) consisting of primer on asphalt surface, elastic layer SBR matt (5-12mm), Pore sealer (0.1mm), Cast coating (2-3mm), Antiskid multilap (0.5mm) including marking of ground approved by ITF on already laid flooring system complete in all respect & as per specifications laid in Handbook on field of Play published by SAI	162.00	Sqm.	6455.08 5817.44	Rupees Six Thousand One Hundred Fifty Five And Eight Paise Only	98712 2.96 942425-88
6	Providing & Fixing International Standard Volley ball pole fixed & height adjustable for men and women model made of 3" inner and 3.5" outer round pipe, fine quality PU spray paint including cost of Volley ball Net made of Polyester white colour size 9.5m x 1.00m, mesh size 100mm x 100mm complete as per specification & as desired by Engineer-in-Charge.	1.00	pair	56709.07	Rupees Fifty Six Thousand Seven Hundred Nine And Seven Paise Only	56709 9.07
7	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15 cm. layers with compaction including disposal of all surplus soil as directed within a lead of 30 metres.	34.65	cum	191.74	Rupees One Hundred Ninety One And Seventy Four Paise Only	6643 3.79
8	Cement Concrete 1:4:8 with stone ballast of size. 40 mm guage. using concrete mixing volumetric type	6.30	cum	4018.57	Rupees Four Thousand Eighteen And Fifty Seven Paise Only	253 6.99
9	Cement Concrete 1:2:4 with stone ballast or shingle using concrete mixing volumetric type	1.11	cum	5289.39	Rupees Five Thousand Two Hundred Eighty Nine And Thirty Nine Paise Only	58 1.22
10	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.	32.22	cum	5895.10	Rupees Five Thousand Eight Hundred Ninety Five And Ten Paise Only	1899 10.12
11	Conglomerate floor 50mm thick cement concrete topping 1:2:4 (Using mechanical mixer for mixing of material).	24.15	sqm	382.80 336.77	Rupees Three Hundred Eighty Two And Eighty Paise Only	92 14.62 813 5.70
12	12.5 mm thick cement plaster 1:3:1.5	31.50	sqm	240.78 191.52	Rupees Two Hundred Ten And Seventy Eight Paise Only	66 39.57 6042 3.33
13	Providing and laying factory made rubber moulded smooth finish cement concrete Channel M-20 grade 300mm wide and 75mm thick made (in shape of Soccer drain) over strong vibratory table and fixing with cement mortar 1:2 as per MORT&H specifications	104.80	mt	246.23	Rupees Two Hundred Forty Six And Twenty Three Paise Only	258 304.9
14	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, riveted or welded or forged, framed window guards, barred iron doors, stair case iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.	21.63	Qtl	10798.95	Rupees Ten Thousand Seven Hundred Ninety Eight And Ninety Five Paise Only	2335 31.29

XEN

Signature of Tenderer with seal

Page No. 118.59



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
15	Applying priming coat with metal primer on new steel or iron work including preparation of surface.	71.18 sqm		25.28	Rupees Twenty Five And Twenty Eight Paise Only	1798.43
16	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.	71.18 Sqm		69.53	Rupees Sixty Nine And Fifty Three Paise Only	4949.15
17	Providing & Fixing wire mesh GI Chain link 10 gauge mesh size 50mm ISI 2721.1979 fixed with nut and bolt on vertical post and touch welding on horizontal member complete in all respect as per specification and as desired by Engineer in charge.	210.00 Sqm		681.92 657.94	Rupees Six Hundred Eighty One And Ninety Two Paise Only	143203.2 137957.4
	Total B5:-				2486929.19	2517754.67
B6	Construction of Stage					
1	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15 cm. layers with compaction including disposal of all surplus soil as directed within a lead of 30 metres.	49.22 Cum.		191.74	Rupees One Hundred Ninety One And Seventy Four Paise Only	9437.44
2	Cement Concrete 1:4:8 with stone ballast of size 40 mm gauge. using concrete mixing volumetric type	8.80 Cum.		4018.57	Rupees Four Thousand Eighteen And Fifty Seven Paise Only	35363.42
3	First class burnt brick work laid in cement sand mortar 1:6 in foundation and plinth.	38.12 Cum		5811.88	Rupees Five Thousand Eight Hundred Eleven And Eighty Eight Paise Only	221548.87
4	Damp proof course 4cm thick of cement concrete 1:2:4 with water proofing compound as per manufactures guidelines.	13.38 Sqm.		271.83	Rupees Two Hundred Seventy One And Eighty Three Paise Only	3637.09
5	12.5 mm thick cement plaster 1:4.	13.17 Sqm.		200.25	Rupees Two Hundred And Twenty Five Paise Only	2637.29
6	20 mm thick cement plaster 1:4.	13.17 Sqm		275.62	Rupees Two Hundred Seventy Five And Sixty Two Paise Only	3629.92
7	20mm thick cement plaster in damp proof course 1:3 with two coats of bitumen at 1.65Kg. Per sqm laid hot and sanded	53.45 Sqm.		380.97	Rupees Three Hundred Eighty And Ninety Seven Paise Only	20362.85
8	Earth filling with good quality earth obtained from out side the plinth including compensation of earth loading, unloading, carriage from outside the premises to site of work, spreading, laying watering compacting with rammer complete as per specifications.	59.43 Cum		475.27 445.80	Rupees Four Hundred Seventy Five And Twenty Seven Paise Only	28245.3 26493.89
9	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% excavated from foundation and taken only from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres.	19.69 Cum		66.37	Rupees Sixty Six And Thirty Seven Paise Only	1306.83

Signature of Tenderer with seal

Page No. 118.80

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
10	Base course of floor consisting of 100mm thick cement concrete 1:8:16 with stone aggregate 40mm gauge and 100mm fine sand filling using mechanical mixer for mixing of material	112.55 Sqm.		453.12	Rupees Four Hundred Fifty Three And Twelve Paise Only	50988.66
11	Kota stone slab 20-25 mm thick 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) :	110.01 Sqm.		1156.83	Rupees One Thousand One Hundred Fifty Six And Eighty Three Paise Only	127282.87
12	Kotah stone tile 20mm thick in skirting, riser of steps, dado walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 Cement and 3 Sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing	3.90 Sqm.		1407.56	Rupees One Thousand Four Hundred Seven And Fifty Six Paise Only	5489.48
13	Extra labour for projected rising of stair case of any shape and design (CSR 14.568 64+5.35%-67.42) including rubbing and polishing	59.13 sqm		466.45	Rupees One Hundred Six And Forty Paise Only	6291.43
14	Extra Labour rate if Kota stone/ sand stone in treads of steps and risers using single length	10.69 Sqm		67.43	Rupees Twenty Five And Twenty Eight Paise Only	3987.14
15	Providing and Laying Out Door Precast Designer chequered tiles of any size & any shape 25mm thickness having top layer of white cement mixed with pigment, laid on 20mm thick bed of ordinary cement mortar 1:3(1 ordinary cement : 3 fine sand), joints grouted with white cement slurry containing pigment to match the shade complete in all respect as per specifications and to the entire satisfaction of engineer-in-charge.	20.90 Sqm.		1081.54	Rupees One Thousand Eighty One And Fifty Four Paise Only	22604.19
16	Providing & fixing 16 gauge stainless steel pipe railing of grade 304 duly fixed on steps with the help of bolts grouted on steps with hand rail and newel post of 50mm dia Stainless steel pipe, Balusters of 40mm dia Stainless steel pipe and guard 3 Nos of 15mm dia Stainless Steel pipe complete in all respect	458.43 Kg		506.73	Rupees Five Hundred Six And Seventy Three Paise Only	232300.23
17	Preparation of plastered or concrete surface for painting (including sand papering the surface) using ready mixed cement based wall putty by applying two or more coats to get required finish	26.34 sqm		84.28	Rupees Eighty Four And Twenty Eight Paise Only	2219.94
18	Finishing walls with acrylic smooth exterior paint of required shade with two or more coats applied @ 1.67 litre/10Sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 Sqm	2.45 Sqm		126.42	Rupees One Hundred Twenty Six And Forty Two Paise Only	309.73
	Total B6:-					773913.26

769589.9

Signature of Tenderer with seal

Page No. 118.61



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT RS. - P
				Figure	Words	
E1	Providing & Installation of Sign Board, Name Plates, Other Signage & Face lifting as issued by Chief Architect Department of Architect vide letter No. CA-2023/3143 dated 30-08-2023 & Director Deptt of Education (Sr. Sec.) Memo no Samagra/Smart school /2023/555131-225764 dated 11/08/2023. Providing, Fixing/ Installation & Dismantling of the signage as per the rece done. Items required for the signage include the following:- WASH COAT Aluminium Composite Panel (ACP) with thickness 3mm, coil thickness 0.25 (Top & Bottom) of 10 years warranty; ACP Alloy Grade AA1100; Tensile strength Min 110 Newton, ACP Core Spec should be of 1st recycled LDPE and 360 degree bendable and should carry that warranty of minimum 10 years. Graphics film - Graphic film applied on ACP should be high quality Cast vinyl of thickness not more than 60 Microns without adhesive when measured using ASTM standard of measurements. The Adhesive of the film should be a Grey colored pigmented adhesive and it shall stick, without the use of an activator such as solvents or heat on any metallic and painted, primed, polished and Clean surfaces free from any grease or silicone without producing wrinkles, rolling up, tearing or detaching. The adhesive of the film should be a pressure activated adhesive providing repositionability and has in built air release channels to provide a bubble free application. The liner of the Film should be a high-quality Paper liner which has a polyethylene coating on both sides to provide excellent lay flatness while converting. The Graphic film should not contain any Heavy metals in its construction and should be compliant with the limits of RoHS Directive 2002/95/EC and its Subsequent amendments. The Film should not contain at greater than 0.1% by weight a Substance of Very High Concern (SVHC) substance identified according to Article 59 of REACH. The film should have fire retardant properties and should have a flame spread index of 5 or less and Smoke spread index of 0 when tested as per ASTM E 84 standard of flammability testing. The film should also comply with ASTM E 162-84 flammability standard and should have a Flame spread index of less than 1.90. The name of the manufacturer / brand should be clearly displayed on the liner. Overlamine - The graphic film must be protected using Matt finished high-performance cast over-lamine with not more than 2mil thickness. Lamine must be designed for Flat and smooth application. It should also possess	74.00	sqm	21741.00	Rupees Twenty One Thousand Seven Hundred Forty One Only	108834

Signature of Tenderer with seal

Page No. 118.52

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs. P
2	<p>The Total solution (Vinyl + Over Laminates) during the Performance Life as mentioned in the specification is backed by warranty for 3 years from manufacturer, recorded and supplied in E-document form valid for film printed using a recommended printing platform applied with a suitable over-laminate film for protection and then installed. The warranty covers failures against fading, cracking, peel off, blistering, excessive dimensional changes, manufacturing defect except for physical vandalism, arson, natural calamities, or intentional damage.</p> <p>Colored / Printable Translucent Film for channel letters – Energy efficient or equivalent self-adhesive cast translucent vinyl of approved colors / design to be processed in a dust free application room. The translucent film should have clear adhesive and to be designed for backlit LED application. The colored vinyl should of cast manufacturing and meeting to pantone / RAL shade confirmed by customer in reflected light conditions. The vinyl thickness (without adhesive) should not more than 60 Microns without adhesive when measured using IS / ASTM standards. The Adhesive of the film should clear and pressure sensitive. The liner of the Film should Synthetic, lay-flat liner that is not affected by water or humidity. The colored vinyl should comply with UL 94 for Flammability &amp; UL 746 Plastic Material Properties. Flammability - should confirm to class A rating for fire retardant as per ASTM E84 standard - (Standard Test Method for Surface Burning Characteristics of Building Materials) and pass DIN EN 13501-1 (DIN 4102) – (Fire Test to Building Material). The film should be ROHs complaint and should not Contain EU REACH Substances of Very High Concern (SVHC) at &gt;0.1% (EU Directive 2011/65/EU). The surface preparation and the application should be done using manufacturers recommended procedures and the warranty should be provided by manufacturer directly. The film to be protected using Matte Over Laminates as per the specification prescribed above.</p> <p>Powder Coated MS Square Iron Pipe of 1inch of 18 gauge for inner framing and strength to withstand the wind pressure as per IS standards. MS Square Iron Pipe of 100mm x 50mm steel structure to be designed and</p>	4.00 unit		149597.00	Rupees One Forty Nine Thousand Five Hundred Ninety Seven Only	59 8388

XEN

Signature of Tenderer with seal

Page No. 118.63



Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMOUNT Rs.	P
				Figure	Words		
3	<p>Design, Providing, Fixing/ Installation &amp; Dismantling of the signage as per the recce done. Items required for the signage include the following –</p> <p>WASH COAT Aluminium Composite Panel (ACP) with thickness 3mm, coil thickness 0.25 (Top &amp; Bottom) of 10 years warranty; ACP Alloy Grade AA1100; Tensile strength Min 110 Newton; ACP Core Spec should be of 1st recycled LDPE and 360 degree bendable and should carry that warranty of minimum 10 years.</p> <p>Graphic Film - Graphic film applied on ACP should be high quality Polymeric Calendar vinyl of thickness not more than 82 Microns without adhesive. The Adhesive of the film should be a Grey colored pigmented adhesive and it should be a pressure activated adhesive providing repositionability and has in built air release channels to provide a bubble free application. The liner of the Film should be a high-quality Paper liner which has a polyethylene coating on both sides to provide excellent lay flatness while converting. The Graphic film should not contain any Heavy metals in its construction and should be compliant with the limits of RoHS Directive 2002/95/EC and its Subsequent amendments. The Film should not contain at greater than 0.1% by weight a Substance of Very High Concern (SVHC) substance identified according to Article 59 of REACH. The film should have fire retardant properties and should have a flame spread index of 5 or less and Smoke spread index of 0 when tested as per ASTM E 84 standard of flammability testing. The film should also comply with ASTM E 162-94 flammability standard and should have a Flame spread index of less than 1.90. The name of the manufacturer / brand should be clearly displayed on the liner.</p> <p>Over Laminate - The graphic film must be protected using Matt finished calendar over-laminate with not more than 3.5 mils thickness. Laminate must be designed for Flat and smooth application. It also possesses Resistance to mild alkalis, mild acids and salt, additionally resists occasional fuel spills. This product does not exceed the maximum concentration values (MCVs) for phthalates set under EU Directive 2011/65/EU(RoHS recast/RoHS 2), as amended by EU 2015/863, which</p>	104.48	sqm	8638.00	Rupees Eight Thousand Six Hundred Thirty Eight Only	902498	24

XEN

Signature of Tenderer with seal

Page No. 118.64

Sl. No.	Description of work	No.or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT P Rs.
4	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	59.48	Sqm	217.02	Rupees Two Hundred Seventeen And Two Paise Only	12-908.35
	Total E1 :-					3122-628.59
	Total A1+A2+A3+A4+A5+A6+B1+B2+B3+B4+B5+B6:-					200618-236.23
						18939-095232

XEN

Signature of Tenderer with seal

Page No. 118.65



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT IN RS.
				Figure	Words	
	<b>PUBLIC HEALTH SERVICES</b>					
	<b>Sub Work-1</b>					
	<b>Sub Work-1.1 Internal Sewerage System</b>					
1	Providing and fixing in position singel socket SWR UPVC soil waste or antisiphonage pipes as per IS 13592 of E.D.C manufacture or of any other reputed firm including cutting, jointing, wastage, but excluding cost of jointing.					
	Single Socket Type B					
	qty as per Table -1					
1.1	110mm o/d single socket SWR UPVC pipe lines laid complete	416.64	mt	396.16	Rupees Three Hundred Ninety Six And Sixteen Paise Only	165056.10
1.2	90mm o/d single socket SWR UPVC pipe lines laid complete	480.04	mt	344.69	Rupees Three Hundred Forty Four And Sixty Nine Paise Only	165464.99
2	Providing and fixing in position SWR UPVC special for soil waste vent or anti syphonage pipes as per IS - 1473s including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead joining.					
2.1	For 110mm o/d pipes					
2.2	Elbow 90 Degree (All side socketed)	62.00	Nos	162.57	Rupees One Hundred Sixty Two And Fifty Seven Paise Only	10079.34
2.3	Vent Cowl	98.00	Nos	45.40	Rupees Forty Five And Forty Paise Only	4449.20
2.4	Coupler	68.00	Nos	111.09	Rupees One Hundred Eleven And Nine Paise Only	7554.12
2.5	Single Tee With Door	39.00	Nos	236.32	Rupees Two Hundred Thirty Six And Thirty Two Paise Only	9216.48
2.6	Single Y-Junction	45.00	Nos	239.88	Rupees Two Hundred Thirty Nine And Eighty Eight Paise Only	10794.60
2.2	Floor Trap 110mm x 75mm	58.00	Nos	338.38	Rupees Three Hundred Thirty Eight And Thirty Eight Paise Only	19626.04
2.2	For 90mm o/d pipes					
2.3	Elbow 90 degree (all side socket)	10.00	Nos	143.94	Rupees One Hundred Forty Three And Ninety Four Paise Only	1439.40
2.4	Vent Cowl	15.00	Nos	37.63	Rupees Thirty Seven And Sixty Three Paise Only	564.45
2.5	Coupler	73.00	Nos	109.33	Rupees One Hundred Nine And Thirty Three Paise Only	7981.09
2.1	Single Tee With Door	39.00	Nos	216.80	Rupees Two Hundred Sixteen And Eighty Paise Only	8455.20

Signature of Tenderer with seal

Page No. 118.66

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
2.2	Singel Y junction	41.00 Nos		207.93	Rupees Two Hundred Seven And Ninety Three Paise Only	8525.13
3	Providing and fixing in position SS Grating with frame of approved make (to the approval of engineer in charge) complete in all respects.	58.00 Nos		116.58	Rupees One Hundred Sixteen And Fifty Eight Paise Only	6761.64
4	Providing PVC solvent cement joints to SWR Pipes and specials including cost of PVC solvent cement and tools etc of approved make (to the approval of Engineer-in-charge)					
4.1	110mm o/d	607.00 nos		101.27	Rupees One Hundred One And Twenty Seven Paise Only	61470.89
4.2	90mm o/d	428.00 nos		85.71	Rupees Eighty Five And Seventy One Paise Only	36683.88
5	Providing & Fixing in position M.S or heavy flat iron clamps made out of M.S flat iron not less than 5 mm of the approved design for fixing C.I. soil waste, vent or antisiphonage pipes to walls complete in all respects including cutting and making good the walls and floors etc. and painting.					
5.1	M.S. Holder bats clamps for 100mm i/d as per table-1	686.00 Nos		217.18	Rupees Two Hundred Seventeen And Eighteen Paise Only	148985.48
5.2	M.S. Holder bats clamps for 75mm i/d as per table-1	105.00 Nos		202.84	Rupees Two Hundred Two And Eighty Four Paise Only	21298.20
6	Cutting holes upto 23cm square for pipes in floor and roofs of cement concrete, reinforced concrete or reinforced brick work and making good the same & finishing according to existing finish where required.					
6.1	Through floor or roof 15.00cm thick	41.00 Nos		166.82	Rupees One Hundred Sixty Six And Eighty Two Paise Only	6839.62
7	Providing and fixing in position gully traps fixed in cement concrete 1.4:8 complete with Grating 150mm x 150mm, cover and frame clear opening 300mm x 300mm and out of side size 330mm x 330mm and chamber including cost of all bricks work in cement mortar 1:5 cement concrete 1:2.4 in coping around cover and frame etc. as per standard design minimum depth of water should be 150 mm with a minimum seal 50mm.					

Signature of Tenderer with seal

Page No. 118.67

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount
				Figure	Words	
7.1	100mm internal Diameter S.W.gully trap with H.C.I. grating and cast iron cover weighing approximately 7.25 kg. and frame clear opening 300mm x 300mm and out of side size 330mm x 330mm as per table-1	18.00	Nos	1930.01	Rupees Ore Thousand Nine Hundred Thirty And One Paise Only	3-4740.18
8	Construction of brick masonry inspection chambers size as given below upto 0.60 metre average depth in 1:5 cement sand mortar, C.C.1:4:8 (150mm thick) in foundation, cement concrete 1:2:4 benching 12.50mm thick cement plaster 1:2 with a floating coat of 1mm thick of neat cement, R.C.C. 1:2:4 slabs 100mm thick cement concrete topping 50mm thick with 455mm x 455mm, 455mm x 610mm inside R.C.C. inspection chamber cover and frame (Weight as per I.S.I specifications) painted with 3 coats of black bitumastic paint conforming to I.S.I complete as per standard design.					
8.1	450mm x 600mm inside with 455mm x 610mm cover and frame light duty double seal	18.00	Nos	6780.33	Rupees Six Thousand Seven Hundred Eighty And Thirty Three Paise Only	12-2045.94
9	Providing and laying, jointing, fixing and testing ISI Marked uPVC Pipe Lines as per ISI 4985-2000, including specials such as tees, bends, sockets, elbow etc., cutting, testing (including cost of specials) in the ground complete in all respects.					
9.1	uPVC Pipe 6 Kg/cm <sup>2</sup> 50mm i/d as per table-1	175.25	mtr	113.70	Rupees Ore Hundred Thirteen And Seventy Paise Only	9925.93
	<b>Total Sub Head-1:-</b>					877957.90
1	<b>Sub Work-1.2 Internal Water Supply System</b> CONCEALED IN WALL: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes as per IS 15778 (ISI marked with the prior approval of Engineer-in-Charge), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing including jointing of pipes & fittings, with one step CPVC solvent cement and testing of pipes complete as per direction of Engineer-in-Charge.					
1.1	CPVC SDR 11 Pipe & fitting 16mm o/d	205.73	mtr	188.28	Rupees One Hundred Eighty Eight And Twenty Eight Paise Only	38734.84
1.1	SDR 11 CPVC pipes & fittings 20mm o/d	304.79	mtr	233.19	Rupees Two Hundred Thirty Three And Nineteen Paise Only	1073.98
1.2	SDR 11 CPVC pipes & fittings 25mm o/d	401.10	mtr	301.04	Rupees Three Hundred One And Four Paise Only	120747.14
2	Cutting chase in brick walls in cement or in floor for embedding G.I. or C.I pipes lines and making good the same to its original condition. Size 75mm x 75mm					

Signature of Tenderer with seal

Page No. 118.68

 XEN

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount
				Figure	Words	
2.1	qty same as CpvC 15mm i/d to 25 mm (Table-2)	304.79	mt	72.69	Rupees Seventy Two And Sixty Nine Paise Only	22155.19
3	Cutting holes upto 23cm square through B.B. in cement walls or stone masonry wall in cement for pipes, and making good the same & finishing according to existing finish where required.					
3.1	Through wall 11.43 cm thick Detail as per Table-2	59.00	nos	176.42	Rupees One Hundred Seventy Six And Forty Two Paise Only	10408.78
3.2	Through wall 22.86 cm thick Detail as per Table-2	59.00	nos	251.71	Rupees Two Hundred Fifty One And Seventy One Paise Only	14850.89
4	Providing, fixing and jointing CpvC Union Couplings (of approved make with the approval EIC) as per IS 1879 in G.I. Pipe lines complete in all respect.					
4.1	15mm i/d CpvC Union	59.00	Each	84.29	Rupees Eighty Four And Twenty Nine Paise Only	4973.11
4.2	20mm i/d CpvC Union	59.00	Each	145.39	Rupees One Hundred Forty Five And Thirty Nine Paise Only	8573.01
4.3	25mm i/d CpvC Union	59.00	Each	185.11	Rupees One Hundred Eighty Five And Eleven Paise Only	10921.49
	<b>Total Sub Head-2:-</b>					<b>302443.43</b>
	<b>Sub Work-1.3 Sanitary Installation</b>					
1	Providing and fixing in position set of EWC and WHB size 46x36 cm for Handicapped person of approved make (to the approval of the Engineer-in-charge) consisting of matching cistern, one pair mounting brackets, seat cover, one no. hinges rail 76cm and 4 no. grab rails 60cm complete in all respect and to the entire satisfaction of Engineer-in-charge.	4.00	Nos	67394.50	Rupees Sixty Seven Thousand Three Hundred Ninety Four And Fifty Paise Only	269573.00
2	Providing and fixing in position Chinaware Floor Mounted One Piece EWC type with matching chinaware cistern 10 ltr. Capacity (without cistern fitting) with P trap or S trap of approved make (to the approval of the Engineer-in-charge) and seat cover complete in all respect and to the entire satisfaction of Engineer-in-charge.					
2.1	Chinaware Floor Mounted One Piece EWC type with matching chinaware cistern 10 ltr. Capacity (without cistern fitting) size 62x37x67 cm with P trap or S trap and seat cover complete in all respect.	37.00	Nos	10585.57	Rupees Ten Thousand Five Hundred Eighty Five And Fifty Seven Paise Only	391665.09

Signature of Tenderer with seal

Page No. 118.69

XEN



Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMOUNT Rs.
				Figure	Words	
3	Providing and fixing in position Chinaware extended wall mounted E. W.C. type suite (size 66 x 46 x 77.5 cm ) with P trap or S trap of approved make (to the approval of the Engineer-in-charge) with or without 10 ltr. chinaware matching flushing cistern and seat cover complete in all respect and to the entire satisfaction of Engineer-in-charge. Chinaware wall mounted E.W.C without cistern including seat cover complete in all respect. Detail attached as per Table-4	13.00 Nos		10395.94	Rupees Ten Thousand Three Hundred Ninety Five And Ninety Four Paise Only	135147.22
4	Providing and fixing in position concealed cistern including flushing plate of approved make (to the approval of the Engineer-in-charge) complete in all respect. Detail attached as per Table-4	13.00 Nos		9870.24	Rupees Nine Thousand Eight Hundred Seventy And Twenty Four Paise Only	128313.12
5	Providing & Fixing in position C.P. Brass Hexa Nipple 15mm of approved make (to the approval of Engineer-in-charge ) complete in all respect.	54.00 Nos		87.44	Rupees Eighty Seven And Forty Four Paise Only	4721.76
6	Providing and fixing jet spray with 2'-6" long PVC pipe. With PTMT nut	54.00 Nos		381.37	Rupees Three Hundred Eighty One And Thirty Seven Paise Only	20593.88
7	Providing and fixing Stainless steel health faucet complete in all respect.	13.00 Nos		1199.94	Rupees One Thousand One Hundred Ninety Nine And Ninety Four Paise Only	15599.22
8	Providing and fixing in position vitreous Chinaware white Indian make large flat back or angular lipped front urinal 375 x 390 x 590 mm of approved make (to the approval of the Engineer-in-charge) consisting of C.P. brass Urinal waste Coupling dome type 32mm outer length 75 mm . C.P. brass Urinal Spreader Ocular-Regular and C.P. brass tube connection 300 mm long complete.	29.00 Nos		6901.48	Rupees Six Thousand Nine Hundred One And Forty Eight Paise Only	200142.92
9	Vitreous white Chinaware Partition Large partition size 75 x 16.5 x 36.5 cm	29.00 Nos		4900.88	Rupees Four Thousand Nine Hundred And Eighty Eight Paise Only	142125.52
10	Providing and fixing in position vitreous chinaware white lavatory suites of approved make (to the approval of Engineer-in-charge) including Rack Bolt Screw Pair 115mm long without CP fittings complete in all respect.					
10.1	Size 550 mm x 400 mm x 815 mm	1.00 Nos		2046.95	Rupees Two Thousand Forty Six And Ninety Five Paise Only	2046.95

Signature of Tenderer with seal

Page No. 118.70

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs. P
				Figure	Words	
10.2	Size 560mm x 450mm (Under counter oval)	28.00 Nos		2833.92	Rupees Two Thousand Eight Hundred Thirty Three And Ninety Two Paise Only	79349.76
11	Providing and fixing in position C.P. Brass Auto close Pillar Cock of approved make (to the approval of Engineer-in-charge) Qty as per Inventory-3 & 4	29.00 nos		2637.96	Rupees Two Thousand Six Hundred Thirty Seven And Ninety Six Paise Only	76500.84
12	Providing and fixing in position vitreous chinaware white lavatory suites of approved make (to the approval of Engineer-in-charge) consisting of C.P. brass waste 32mm dia with one C.P. brass pillar tap including Rack Bolt Screw Pair 115mm long complete in all respect.					
12.1	Size 550 mm x 400 mm x 815 mm	1.00 Nos		3807.35	Rupees Three Thousand Eight Hundred Seven And Thirty Five Paise Only	3807.35
12.2	Size 560mm x 450mm (Under counter oval)	8.00 Nos		4526.89	Rupees Four Thousand Five Hundred Twenty Six And Eighty Nine Paise Only	36215.12
13	Providing and fixing in position vitreous Chinaware white laboratory sinks of approved make (to the approval of Engineer-in-charge) consisting of a pair of brackets, C.P. brass waste 40mm complete in all respect.					
13.1	Size 470mmx370mmx180mm	70.00 Nos		6769.79	Rupees Six Thousand Seven Hundred Sixty Nine And Seventy Nine Paise Only	473885.30
14	Providing & fixing 15 mm C.P brass laboratory cock swan neck of approved make (to the approval of Engineer-in-charge) complete in all respect.					
14.1	Laboratory cock swan neck One Way	70.00 Nos		1422.23	Rupees One Thousand Four Hundred Twenty Two And Twenty Three Paise Only	99556.10
15	Providing and fixing vitreous chinaware standard pedestal of approved make (to the approval of Engineer-in-charge) for wash hand basin complete in all respect.	1.00 Nos		2117.54	Rupees Two Thousand One Hundred Seventeen And Fifty Four Paise Only	2117.54
16	Providing and fixing in position stainless steel sinks of approved make (to the approval of Engineer-in-charge) 1mm thick, grade-304 (18/8) with waste coupling complete in all respect.					

Signature of Tenderer with seal

Page No. 118.71

NEX



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
16.1	Rectangular Sink with Deluxe Border Single Bowl Overall Size 555 mm x 475mm x 200 mm	1.00 Nos		6827.73	Rupees Six Thousand Eight Hundred Twenty Seven And Seventy Three Paise Only	6827.73
16.2	Double bowl Sink without drain board Overall size 1114 x 490 mm with bowl size 460x385x200mm including waste coupling	2.00 Nos		14549.89	Rupees Fourteen Thousand Five Hundred Forty Nine And Eighty Nine Paise Only	2 9099.78
17	Providing & fixing in position C.P. brass Sink mixer swivel spout (Wall mounted) of approved make (to the approval of Engineer-in-charge) complete in all respect.	2.00 Nos		3117.31	Rupees Three Thousand One Hundred Seventeen And Thirty One Paise Only	6234.62
18	Providing and fixing P.V.C Waste Pipe Collapsible 32mm complete in all respect.	144.00 nos		119.05	Rupees One Hundred Nineteen And Five Paise Only	1 7143.20
19	Providing and fixing in position C.P. brass bottle trap 32mm dia with 40 mm seal of approved make (to the approval of Engineer-in-charge) complete in all respect.	2.00 Nos		1182.03	Rupees One Thousand One Hundred Eighty Two And Three Paise Only	2364.06
20	Providing and fixing in position paper holders of approved make (to the approval of Engineer-in-charge ) fixed in to wall with C.P. brass screws complete in all respect.					
20.1	C.P. brass toilet paper holder	53.00 Nos		1141.99	Rupees One Thousand One Hundred Forty One And Ninety Nine Paise Only	6 0525.47
21	Providing and fixing in position towel rails / ring of approved make (to the approval of Engineer-in-charge ) fixed in with rawl plugs embedded in walls with brass screws complete in all respect.					
21.1	C.P. brass towel Rails size 15mm dia 610mm long	1.00 Nos		1621.34	Rupees One Thousand Six Hundred Twenty One And Thirty Four Paise Only	1621.34
21.1	C.P. brass towel ring	41.00 Nos		959.74	Rupees Nine Hundred Fifty Nine And Seventy Four Paise Only	3 9349.34
22	Providing and fixing in position C.P. brass soap dish of approved make (to the approval of Engineer-in-charge ) fixed into wall with rawl plugs and C.P. brass screws complete in all respect.	41.00 Nos		888.10	Rupees Eight Hundred Eighty Eight And Ten Paise Only	3 6412.10
23	Providing & Fixing in position 15 mm i/d bib cock of approved make (to the approval of Engineer-in-charge ) complete in all respect.					
23.1	C.P. Brass bib cock foam flow without flange	53.00 Nos		966.06	Rupees Nine Hundred Sixty Six And Six Paise Only	5 1201.18
24	Providing & Fixing in position liquid soap container of approved make (to the approval of Engineer-in-charge ) complete in all respect.	1.00 Nos		1954.24	Rupees One Thousand Nine Hundred Fifty Four And Twenty Four Paise Only	1954.24
	C.P. brass liquid soap container					

Signature of Tenderer with seal

Page No. 118.72

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
25	Providing & Fixing in position stop cock / Angle valve of approved make (to the approval of Engineer-in-charge) complete in all respect.					
25.1	C.P. brass 15mm Concealed stop cock with flange	53.00 nos		1268.41	Rupees One Thousand Two Hundred Sixty Eight And Forty One Paise Only	67 225.73
25.2	C.P. brass 15mm Angle valve without flange	194.00 Nos		870.19	Rupees Eight Hundred Seventy And Nineteen Paise Only	168 816.86
26	VIP Range Providing and fixing in position premium range C.P. Brass Fittings and accessories of approved make (to the approval of Engineer-in-charge) complete in all respect.					
26.1	C.P. Brass fittings:					
26.1	C.P. brass Bib cock with Wall flange	1.00 Nos		1694.03	Rupees One Thousand Six Hundred Ninety Four And Three Paise Only	1 694.03
26.2	C.P. brass 15mm Angular stop cock with Wall flange	5.00 Nos		1079.84	Rupees One Thousand Seventy Nine And Eighty Four Paise Only	5 399.20
26.3	C.P. brass 15mm Concealed stop cock with adjustable wall flange with seal. (Outer + Inner Body)	2.00 nos		1615.02	Rupees One Thousand Six Hundred Fifteen And Two Paise Only	3 230.04
26.2	C.P. Brass Accessories:					
22.1	C.P. brass towel rail 600 mm long	1.00 Nos		1390.62	Rupees One Thousand Three Hundred Ninety And Sixty Two Paise Only	1 390.62
22.2	C.P. brass towel ring square	1.00 Nos		1174.65	Rupees One Thousand One Hundred Seventy Four And Sixty Five Paise Only	1 174.65
22.3	C.P. brass toilet roll holder with flap	1.00 Nos		1174.65	Rupees One Thousand One Hundred Seventy Four And Sixty Five Paise Only	1 174.65
27	Providing & fixing in position PVC flexible tube connection of approved make (to the approval of Engineer-in-charge) complete in all respect. PVC tube connection of size 15 mm x 375 mm with PTMT nut	199.00 nos		122.21	Rupees One Hundred Twenty Two And Twenty One Paise Only	24 319.79
28	Providing & Fixing in position C.P. Brass flange Dome of approved make (to the approval of Engineer-in-charge) under various fixtures complete in all respect.	308.00 each		66.37	Rupees Sixty Six And Thirty Seven Paise Only	20 441.96
29	Providing & Fixing in position C.P. Brass extension piece 25mm long to 100mm long of approved make (to the approval of Engineer-in-charge) with various fixtures complete in all respect. C.P. Brass extension piece, 25mm long to 50mm long	308.00 each		112.72	Rupees One Hundred Twelve And Seventy Two Paise Only	3 717.76

Signature of Tenderer with seal

Page No. 118.73

5  
XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
30	Providing & Fixing in position 5mm thick bevelled edge mirror of superior glass (of approved make) complete with 4mm thick hard board backing fixed in with rawl plugs 50mm, C.P. brass screws and washers and S/S Studs on top complete in all respect (as required by the Engineer-in-Charge) Size 1500mmx600mm or any other size	43.00 Nos		2915.03	Rupees Two Thousand Nine Hundred Fifteen And Three Paise Only	1 25346.29
31	Providing & Fixing in position C.P./Aluminium Khunti of approved make (to the approval of Engineer-in-charge) fixed into wall with C.P. brass screws and rawl plugs etc. complete in all respect.					
31.1	C.P. Brass khunti with 3 pegs	37.00 Nos		386.63	Rupees Three Hundred Eighty Six And Sixty Three Paise Only	14305.31
32	Providing, laying, jointing, fixing and testing ISI Marked G.I. Pipe (as per IS 1239) B-Class including cost of specials (such as tees, bends, sockets, elbows etc.) painting with anti corrosive bitumastic paint, testing, cutting, threading Inside building complete.					
32.1	50mm i/d	405.63 mtr		861.20	Rupees Eight Hundred Sixty One And Twenty Paise Only	349328.56
33	Providing, fixing and jointing G.I Union Couplings(of approved make with the approval EIC) as per IS 1879 in G.I. Pipe lines complete in all respect.					
33.1	50mm i/d G.I. Union	18.00 nos		437.68	Rupees Four Hundred Thirty Seven And Sixty Eight Paise Only	7878.24
34	Providing, fixing and jointing ISI Marked Gun-Metal peet valves (Heavy Pattern) as per IS 778 with hand wheels, on G.I. Pipe lines laid in the ground or inside buildings including all cartriages complete.					
34.1	50mm i/d Gun Metal peet valve heavy pattern.	18.00 nos		2536.22	Rupees Two Thousand Five Hundred Thirty Six And Twenty Two Paise Only	45851.96
35	Providing & placing in position on terrace (at all floor levels) HDPE water storage tanks of approved make (to the approval of Engineer -in-charge) with cover with suitable locking arrangement and making necessary holes for inlet, outlet and over flo pipes but without fittings and base support for tank.	9500.00 ltr		11.38	Rupees Eleven And Thirty Eight Paise Only	1 08110.00
36	Tripple Layer Tanks Providing and fixing in position automatic brass Ball Cock in tanks. Brass Ball Cock with rod and Plastic Ball					
36.1	50mm i/d	4.00 Nos		3084.86	Rupees Three Thousand Eighty Four And Eighty Six Paise Only	12339.44

Signature of Tenderer with seal

Page No. 118.74

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs.
				Figure	Words	
37	Providing and fixing in position Cpvk Tank Nipple of approved make (to the approval of Engineer-in-charge) in PVC Water storage tanks complete in all respect.					
37.1	Cpvk tank nipple 50mm i/d	16.00 Nos		455.11	Rupees Four Hundred Fifty Five And Eleven Paise Only	7281.76
38	Construction of Platform complete as per specification & as desired by Engineer-in-charge					
38.1	For 5000 ltr Water Tank	1.00 Nos		13126.00	Rupees Thirteen Thousand One Hundred Twenty Six Only	13126.00
38.2	For 2000 ltr Water Tank	2.00 Nos		9685.00	Rupees Nine Thousand Six Hundred Eighty Five Only	19370.00
38.3	For 500 ltr Water Tank	1.00 Nos		7446.00	Rupees Seven Thousand Four Hundred Forty Six Only	7446.00
39	Providing and fixing in position storage type automatic electric water heater pressure type thermostatically controlled, single phase wall mounted of approved make (to the approval of Engineer-in-charge) with thermostats, inner container of stainless steel, Inner glass lining with B-Rating minimum 3 stars complete with 1 Mtr. three core flexible cord with plug, non return valve and pressure release valve complete including fixing and testing complete in all respect.					
	Vertical type					
39.1	25 litre capacity water heater	1.00 Nos		13268.46	Rupees Thirteen Thousand Two Hundred Sixty Eight And Forty Six Paise Only	13268.46
40	Supply & Installation of Sanitary pad vending machine NVM-50, fully Automatic Vending machine battery backup available visible window as per specification and as desired by Engineer-in-Charge complete in all respect.	12.00 nos		15304.03	Rupees Fifteen Thousand Three Hundred Four And Three Paise Only	183648.36
41	Supply & Installation of Sanitary Napkin Vending machine storage capacity 25 Pad, Coin accepted : 5rs or dummy coin made from Mild steel as per specification and as desired by Engineer-in-Charge complete in all respect.	12.00 nos		9635.70	Rupees Nine Thousand Six Hundred Thirty Five And Seventy Paise Only	115628.40
	<b>Total Sub Head-3:-</b>					<b>3- 686413.92</b>
1	<b>Sub Work-1.4 Flooring and Wall Tile</b> Base course of floor consisting of 100mm thick cement concrete 1:8:16 with stone aggregate 40mm gauge and 100mm fine sand filling using mechanical mixer for mixing of material	135.28 Sqm.		492.22	Rupees Four Hundred Ninety Two And Twenty Two Paise Only	66587.52

Signature of Tenderer with seal

Page No. 118.75

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
2	Screed of 50mm thick cement concrete 1:8:16 with stone aggregate 40mm gaugeto be laid below the topping using mechanical mixer for mixing of material					
2.1	Total All Floor	302.92 sqm	sqm	203.37	Rupees Two Hundred Three And Thirty Seven Paise Only	RS 1604.84
2.2	Extra rate for First Floor	92.10 sqm	sqm	3.16	Rupees Three And Sixteen Paise Only	291.04
2.3	Extra rate for Second Floor	92.10 sqm	sqm	6.32	Rupees Six And Thirty Two Paise Only	582.07
2.4	Extra rate for Third Floor	118.72 sqm	sqm	9.48	Rupees Nine And Forty Eight Paise Only	1125.47
3	Providing and laying Rectified Porcelin floor tiles 400x400mm or more (thickness to be specified by the manufacturer) of premium quality conforming to IS:15622 of approved make in all colours laid on 20mm thick bed of Cement Mortar 1:4 ( 1 Cement : 4 Fine sand) for new flooring complete .					
3.1	Total All Floor	447.13 sqm	sqm	895.26	Rupees Eight Hundred Ninety Five And Twenty Six Paise Only	4 00297.60
3.2	Extra rate for First Floor	94.28 sqm	sqm	3.16	Rupees Three And Sixteen Paise Only	297.92
3.3	Extra rate for Second Floor	94.28 sqm	sqm	6.32	Rupees Six And Thirty Two Paise Only	595.85
3.4	Extra rate for Third Floor	120.90 sqm	sqm	9.48	Rupees Nine And Forty Eight Paise Only	1146.13



Signature of Tenderer with seal

Page No. 118.76

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
4	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 IS : 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. ii) 11nd 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) 111rd course of applying blown or residual bitumen applied hot at 1.7 kg per sqm of area. iv) 1Vth 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).	333.21	sqm	527.36	Rupees Five Hundred Twenty Seven And Thirty Six Paise Only	175721.63
5	Providing and fixing 1st quality ceramic glazed wall tiles Matt/Semi Matt/Glossy/Highly Gloss finish/Highlighter/emboss conforming to IS : 15622 (thickness to be specified by the manufacture of approved make in all colours, shades except burgundy, bottle green, black of size 600 x 300 mm as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:4 (1 cement: 4 fine sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.					
5.1	Total All Floor	1310.45	sqm	895.26	Rupees Eight Hundred Ninety Five And Twenty Six Paise Only	1173193.47
5.2	Extra rate for First Floor	308.92	sqm	3.16	Rupees Three And Sixteen Paise Only	976.19
5.3	Extra rate for Second Floor	308.92	sqm	6.32	Rupees Six And Thirty Two Paise Only	1952.37
5.4	Extra rate for Third Floor	326.00	sqm	9.48	Rupees Nine And Forty Eight Paise Only	3090.48
6	Coloured Granite stone tiles 15mm to 20mm thick in skirting, risers of steps, dado walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone, including rubbing and polishing including labour for fixing dowel pins and cramps..					

Signature of Tenderer with seal

Page No. 118.77

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs.	P
				Figure	Words		
6.1	Total All Floor	56.30 sqm		3457.44	Rupees Three Thousand Four Hundred Fifty Seven And Forty Four Paise Only	194653.	37
6.2	Extra Rate for First Floor	8.50 sqm		3.16	Rupees Three And Sixteen Paise Only	26.	36
6.3	Extra Rate for Second Floor	8.50 sqm		6.32	Rupees Six And Thirty Two Paise Only	53.	72
6.4	Extra Rate for Third Floor	15.46 sqm		9.48	Rupees Nine And Forty Eight Paise Only	146.	56
7	Extra for pre finished nosing to treads of steps of marble stone. ( Full gola, half round gola etc.)	26.17 Sqm.		187.52	Rupees One Hundred Eighty Seven And Fifty Two Paise Only	4907.	40
8	Conglomerate floor 50mm thick cement concrete topping 1:2:4 (Using mechanical mixer for mixing of material).						
8.1	Ground Floor	2.16 Sqm.		388.70	Rupees Three Hundred Eighty Eight And Seventy Paise Only	839.	59
	<b>Total Sub Head 4:-</b>					<b>2088090.</b>	<b>58</b>
1	<b>Sub Work-1.5 Drinking Water Cooler</b> Providing & fixing in position Water Cooler without Stabilizer of approved make (to the approval of Engineer-in-charge ) including carriage complete in all respect.						
1.1	Water Cooler Semi Steel Body 80/120 ltr Capacity without Stabilizer	8.00 nos		37590.99	Rupees Thirty Seven Thousand Five Hundred Ninety And Ninety Nine Paise Only	300727.	92
2	Providing & fixing in position UV filter having flow rate 200 ltr/hr with 3 stage purification process having 16 watt UV lamp and 35 Watt power rating of approved make (to the approval of Engineer-in-charge ) including carriage and fixing in position complete in all respect.	3.00 Nos		13369.97	Rupees Thirteen Thousand Three Hundred Sixty Nine And Ninety Seven Paise Only	40109.	91
3	Providing & fixing in position Commercial RO without reservoir with four no cartridge/ membrane having flow rate 50 ltr/hr with 6 stage purification process of approved make (to the approval of Engineer-in-charge ) including carriage and fixing in position complete in all respect.	5.00 Nos		40226.84	Rupees Forty Thousand Two Hundred Twenty Six And Eighty Four Paise Only	201134.	20

Signature of Tenderer with seal

Page No. 118.78

XEN

Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		A MOUNT Rs. P
				Figure	Words	
3	Supply and erection of Single phase copper wound Automatic voltage stabilizer of suitable capacity electronically controlled circuit with input voltage 140-260 volts single phase AC supply and output voltage 220 ± 5% volts single phase AC supply having main silicon core copper wound step up transformer with suitable nos. of turns on primary side and secondary side the transformer should be fully insulated inside the MS sheet box of suitable size. There should be power control relay and single pole MCB (C-curve, 10kA) of suitable capacity complete with internal copper wiring along with amp. meter and volt meter, high voltage cut off 280 volt input (240 volt output) and 90 volt maximum boost and overloading protection to be provided.-					
3.1	Automatic Voltage Stabilizer 2 KVA Drinking Water Cooler	8.00	Each	5008.44	Rupees Five Thousand Eight And Forty Four Paise Only	40067.52
	<b>Total Sub Head-5:-</b>					<b>582039.55</b>
1	<b>Sub Work-1.6 Providing &amp; Installation of Split Type Air Conditioning System</b> Supplying, Installation, erection, testing and commissioning of split type room air conditioner 1.0 TR Split AC, 3Star (Cooling Only) Heavy, Duty & having cooling capacity 3500 W, ISEER>4.0 suitable for 230 Volts Single phase supply air conditioners conforming to IS-1391 (Part-2) 1992 amended up to date fitted with Rotary compressor operating on nature friendly RefrigerantR-32 capable of functions (i) cooling (ii) Dehumidifying (iii) Air Circulation including cost of wall mounting/ floor mounted MS base frame /stand for outer unit complete in all respect and as desired by Engineer-in-charge	1.00	Each	45751.00	Rupees Forty Five Thousand Seven Hundred Fifty One Only	45751.00
2	Supplying, Installation, erection, testing and commissioning of split type room air conditioner 1.5 TR Split AC, 3Star (Cooling Only) heavy duty & having cooling capacity 5400 to 5900 W ISEER>4.0, suitable for 230 Volts Single phase supply air conditioners conforming to IS-1391 (Part-2) 1992 amended up to date fitted with Rotary compressor operating on nature friendly RefrigerantR-32 capable of functions (i) cooling (ii) Dehumidifying (iii) Air Circulation including cost of wall mounting / floor mounted MS base frame/ stand for outer unit complete in all respect and as desired by Engineer-in-charge	1.00	Each	51524.00	Rupees Fifty One Thousand Five Hundred Twenty Four Only	51524.00



Signature of Tenderer with seal

Page No. 118.79



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		A MOUNT Rs. P
				Figure	Words	
3	Supplying, Installation, erection, testing and commissioning of split type room air conditioner 2.00 TR Split AC.3Star (Cooling Only) heavy duty & having cooling capacity 7400 to 7700 W ISEER>4.0 , suitable for 230 Volts Single phase supply air conditioners conforming to IS:1391 (Part-2) 1992 amended upto date fitted with Rotary compressor operating on nature friendly Refrigerant R-32 capable of functions (i) cooling (ii) Dehumidifying (iii) Air Circulation including cost of wall mounting /floor mounted MS base frame /stand for outer unit complete in all respect and as desired by Engineer-in-charge	18.00	Each	64155.00	Rupees Sixty Four Thousand One Hundred Fifty Five Only	—1154790.00
4	Supply and erection of Single phase copper wound Automatic voltage stabilizer of suitable capacity electronically controlled circuit with input voltage 140-260 volts single phase AC supply and output voltage 220 ± 5% volts single phase AC supply having main silicon core copper wound step up transformer with suitable nos. of turns on primary side and secondary side the transformer should be fully insulated inside the MS sheet box of suitable size. There should be power control relay and single pole MCB (C-curve, 10kA) of suitable capacity complete with internal copper wiring along with amp. meter and volt meter, high voltage cut off 280 volt input (240 volt output) and 90 volt maximum boost and overloading protection to be provided -					
4.1	Automatic Voltage Stabilizer 4 KVA for Split AC 1.00 tonne	1.00	each	6219.13	Rupees Six Thousand Two Hundred Nineteen And Thirteen Paise Only	6219.13
4.2	Automatic Voltage Stabilizer 4 KVA for Split AC 1.50 tonne	1.00	each	7151.79	Rupees Seven Thousand One Hundred Fifty One And Seventy Nine Paise Only	7151.79
4.3	Automatic Voltage Stabilizer 5 KVA for Split AC 2.00 tonne	18.00	each	8191.28	Rupees Eight Thousand One Hundred Ninety One And Twenty Eight Paise Only	147443.04
5	Providing laying hard soft copper concealing of copper pipes Liquid line 1/4 inch (6.35mm) od & suction line 1/2 inch (12.7MM) od and wall thickness 0.8 mm with insulation 13 mm od as per requirement 4mm electricwire sheathed 3core double insulated and binding with insulated taping laying chase cutting of wal and repairing the same with in the building including installing charges complete in all respects and as desired by Engineer-in-Charge.	100.00	mtir	1847.00	Rupees One Thousand Eight Hundred Forty Seven Only	184700.00

Signature of Tenderer with seal

Page No. 118.80

XEN

Sl. No.	Description of work	No.or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs. P
6	Providing, laying, jointing, fixing and testing ISI Marked uPVC Pipe with G.I. specials as per ISI-4985, including cost of G.I. specials such as tees, bends, sockets, elbows etc. testing inside building complete. uPVC Pipe 10 Kg/cm <sup>2</sup> 25mm i/d	100.00	mtr	140.20	Rupees One Hundred Forty And Twenty Paise Only	14020.00
7	Cutting chase in brick walls in cement or in floor for embedding G.I. or C.I pipes line and making good the same to its original condition. Size 75 mm x 75 mm	60.00	mtr	72.69	Rupees Seventy Two And Sixty Nine Paise Only	4361.40
	<b>Total Sub Head-5:-</b>					<b>1615960.36</b>
	<b>Sub Work-2</b>					
	<b>Estate Water Supply</b>					
1	Excavation by mechanical means(JCB or Hydraulic excavator) in trenches for pipe lines with straight or open cutting in streets or open area including trimming and dressing sides levelling of beds of trenches to correct grade, cutting joint holes, refilling consolidation,watering , including the cost of dewatering of rain water, diversion for traffic, night signals, providing & fixing caution boards, crossing over trenches for access to the houses, watching, fencing, etc. and removal of surplus soil out side/inside the town involving lead upto 15 meter complete in all respect.	155.02	cum	104.40	Rupees One Hundred Four And Forty Paise Only	16184.99
2	Providing laying, jointing, fixing and testing ISI Marked G.I. Pipe (as per IS 1239) B-Class including cost of specials (such as tees, bends, sockets, elbows etc.) ,painting with anti corrosive bitumastic paint, testing, cutting, threading Inside building complete. 50mm i/d	234.88	mtr	861.20	Rupees Eight Hundred Sixty One And Twenty Paise Only	202278.88
3	Providing, fixing and jointing G.I Union Couplings(of approved make with the approval EIC) as per IS 1879 in G.I. Pipe lines complete in all respect.					
3.1	50mm i/d G.I. Union	3.00	nos	437.68	Rupees Four Hundred Thirty Seven And Sixty Eight Paise Only	1313.04
4	Providing, fixing and jointing ISI Marked Gun-Metal peet valves (Heavy Pattern) as per IS 778 with hand wheels, on G.I. Pipe lines laid in the ground or inside buildings including all carriages complete. 50mm i/d Gun Metal peet valve heavy pattern.	1.00	nos	2536.22	Rupees Two Thousand Five Hundred Thirty Six And Twenty Two Paise Only	2536.22
4.1						
	<b>Total Sub Head-5:-</b>					<b>222312.01</b>
	<b>Sub Work-3</b>					
	<b>Sub Head-3.1</b>					

Signature of Tenderer with seal

Page No. 118.81



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
1	<b>Sub Head-1 Estate Sewerage system</b> Providing, laying in trenches to correct gradient and alignment and jointing of UPVC pipes having ISI specification IS:15328-2003 class-SN-8 marked make Supreme, Finolex, Kissan, Jain, Prince or equivalent good on them and laying the same in trenches to correct alignment and gradients, cutting and jointing, testing for water tightness and making good the leakages and defects including cost of specials (Specials and Solvent should be of same make as that of pipes) complete in all respects.					
1.1	110 mm o/d pipes	108.00	mtr.	599.23	Rupees Five Hundred Ninety Nine And Twenty Three Paise Only	64716.34
1.2	160mm o/d pipe	160.25	mtr.	1253.39	Rupees One Thousand Two Hundred Fifty Three And Thirty Nine Paise Only	200855.75
1.3	200mm o/d pipe	106.66	mtr.	1964.15	Rupees One Thousand Nine Hundred Sixty Four And Fifteen Paise Only	209496.24
2	Excavation in trenches with straight or open cutting in streets, lanes or in open area with 3D/JCB or excavator including manually dressing bed, trimming sides and side slopes for sewers and manholes to full depths as shown in drawings including, dressing to correct sections and dewatering, provision for diversion for traffic, protection of existing services i.e. telephone cables, electric lines, water supply lines and gas lines etc. night signals, profiles, pegs, sight rails, boning rods, watching, etc., fixing and maintenance of caution boards, fencing, refilling trenches, watering, ramming and restoration of surface to original level and removal of surplus spoil from the site of works, upto one chain (15m) complete in all respects.					
2.1	Depth not exceeding 3 m. BGL All kinds of soil except rocky	192.38	cum	104.30	Rupees One Hundred Four And Thirty Paise Only	20065.23
3	Providing and filling sand grading as per specifications or fine grade around the various sizes of G.I. pipes in external work.	12.95	cum	687.83	Rupees Six Hundred Eighty Seven And Eighty Three Paise Only	8907.40

Signature of Tenderer with seal

Page No. 118.82

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs.	P
				Figure	Words		
4	Constructing brick masonry manhole in cement mortar 1:5 ( 1 cement : 5 coarse sand ) R.C.C. top slab 20cm thick using M-20 mix by using mixer and vibrator, TMT Fe500 @ 80.00 kg/per cum, foundation concrete 1:4:8 mix (1 cement: 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making 40mm thick benching in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement, Orange coloured PVC steps including RCC cover with frame complete as per standard						
4.1	Inside size 90x150 cm						
4.2	Excavation in trenches with straight or open cutting in streets, lanes or in open area with 3D/JCB or excavator including manually dressing bed, trimming sides and side slopes for sewers and manholes to full depths as shown in drawings, including dressing to correct sections and dewatering, provision for diversion for traffic, protection of existing services i.e. telephone cables, electric lines, water supply lines and gas lines etc. night signals, profiles, pegs, sight rails, boning rods, watching, etc., fixing and maintenance of caution boards, fencing, refilling trenches, watering, ramming and restoration of surface to original level and removal of surplus spoil from the site of works. upto one chain (15m) complete in all respects.						
4.3	For depth not exceeding 3.0 m B.G.L. For all classes of soil except rocky	47.30	cum	104.30	Rupees One Hundred Four And Thirty Paise Only	49	33.39
4.4	Cement Concrete 1:4:8 with stone ballast of size. 40 mm gauge. using concrete mixing volumetric type	7.58	cum	4226.79	Rupees Four Thousand Two Hundred Twenty Six And Seventy Nine Paise Only	320	39.07
4.5	First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth	11.82	cum	6318.49	Rupees Six Thousand Three Hundred Eighteen And Forty Nine Paise Only	746	34.55
4.6	Cement Concrete 1:2:4 with stone ballast or shingle using concrete mixing volumetric type	3.11	cum	5407.86	Rupees Five Thousand Four Hundred Seven And Eighty Six Paise Only	168	18.44
4.7	Floating coat of 15mm thick neat cement laid in one operation to the topping	13.50	sqm	98.21	Rupees Ninety Eight And Twenty One Paise Only	13	25.84
4.8	12.5 mm thick cement plaster 1:3	43.10	sqm	213.71	Rupees Two Hundred Thirteen And Seventy One Paise Only	92	10.90

Signature of Tenderer with seal

Page No. 118.83



Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
4.9	Cement rendering on plaster 1mm thick	43.10	sqm	66.22	Rupees Sixty Six And Twenty Two Paise Only	2854.08
4.1	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth.	4.84	cum	5891.66	Rupees Five Thousand Eight Hundred Ninety One And Sixty Six Paise Only	28515.63
4.11	Cold twisted deformed (Ribbed/ Tor Steel Bar/TMT) Bais Fe 500 grade as per IS 1786-2008, for R.C.C works, where not including in the complete rate of RCC including bending and placing in position complete	3.87	qtl	7876.91	Rupees Seven Thousand Eight Hundred Seventy Six And Ninety One Paise Only	30483.64
4.12	Providing orange colour safety footrest of minimum 6mm thick plastic encapsulated as per IS:10910 on 12mm dia steel bar confirming to IS: 1786 having minimum cross section as 23mm x 25mm and over all minimum length 263mm and width as 165mm with minimum 112mm space between protruded legs having 2mm 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 specification and having manufacturer's permanent identification mark to be visible even after fixing, including fixing in manholes with 230x150x75cm cement concrete block 1:2:4 (1 cement: 2 sand: 4 stone aggregate) complete as per design	30.00	nos	220.18	Rupees Two Hundred Twenty And Eighteen Paise Only	6605.40
4.13	Providing & fixing 560 mm, 500 mm and 450 mm internal diameter circular or 450 mm x 600 mm clear inside opening rectangular RCC manhole cover and frame ISI marked as per IS:12592-2002 including carriage from the stores of the Engineer-in-charge to site of work, loading, unloading including stacking and setting the same to correct lines over manholes including cement concrete coping (M:20) around the frame etc. Dia of steel for lifting hook is 16mm. (for EHD and HD). RCC Man hole cover with Frame 560mm i/d RCC man hole cover with frame as per ISI	10.00	nos	2045.90	Rupees Two Thousand Forty Five And Ninety Paise Only	20459.00

Signature of Tenderer with seal

Page No. 118.84

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs.
	<b>Total Sub Head-3.1:-</b>					
	<b>Sub Head-2 Anaerobic Baffled Reactor &amp; Recharging pit</b>					
1	Construction of Anaerobic Baffled Reactor complete as per drawing / specification and to the entire satisfaction of Engineer-in-charge. (Note :- Payment will be made itemwise work done at site as per CSR Based Rates Plus/Minus Quoted rates).	1.00	nos	1000727.00	Rupees Ten Lakh Seven Hundred Twenty Seven Only	731971.40
2	Construction of soakage pit 2.5 m outer Diameter 3.0 metre deep 230mm thick 1:5 brick work honey comb with bricks of Ist Class and S.W. drain pipe 100 mm Diameter, 1.8 m long complete as per standard design.	2.00	nos	23525.71	Rupees Twenty Three Thousand Five Hundred Twenty Five And Seventy One Paise Only	47051.42
	<b>Total Sub Head-2</b>					<b>1047778.42</b>
	<b>Sub Work-4</b>					
	<b>Roof Top Rain water Harvesting</b>					
1	Providing , Laying , fixing & jointing of uPVC Pipes (Type-A) as per ISI-4985:2021,(ISI marked with the prior approval of Engineer -in-charge ) along the Trenches and laying the same in Trenches to correct alignment and gradients , cutting , jointing and testing complete as per specifications.					
1.1	110mm c/d PVC pipe of 4 Kgf. / sqcm	39.00	mtr.	206.33	Rupees Two Hundred Six And Thirty Three Paise Only	8046.87
1.2	160mm o/d PVC pipe of 4 Kgf. / sqcm	268.64	mtr.	426.13	Rupees Four Hundred Twenty Six And Thirteen Paise Only	114475.50
2	Excavation in trenches with straight or open cutting in a street, lanes or in a open area with 3D/JCB or excavator including manually dressing bed, trimming sides & side slope for sewer & manhole to full depth as shown in drawing, including, dressing to correct sections and dewatering, provision for diversion for traffic, protection of existing services i.e. telephone cables, electric lines, water supply lines and gas lines etc. night signals, profiles, pegs, sight rails, boning rods, watching etc. fixing and maintenance of caution boards, fencing, refilling trenches, watering, ramming and restoration of surface to original level removal of surplus spoils from the site of works upto chain (15 m), complete in all respects.					
2.1	For depths not exceeding 3.0 metre B.G.L. For all classes of soil except rocky	229.11	cum	104.30	Rupees One Hundred Four And Thirty Paise Only	23896.17
3	Providing and filling sand grading as per specifications or fine grade around the various sizes of G.I. pipes in external work.	6.46	cum	687.83	Rupees Six Hundred Eighty Seven And Eighty Three Paise Only	4443.30



Signature of Tenderer with seal

Page No. 118.85



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs. P
				Figure	Words	
4	Construction of Haudi internal size 0.90mtr x 0.90mtr & 0.90mtr depth in Brick masonry 1:5, bed 40mm thick cement concrete 1:2.4, 150mm thick base lean concrete 1:8:16, RCC Slab cover 75mm thick inside plaster, cement rendering & RCC man hole cover 450x800 mm clear inside opening rectangular RCC Manhole cover with frame Light Duty complete as per Drawing attached & as desired by the Engineer-in-charge	27.00 nos		11272.00	Rupees Eleven Thousand Two Hundred Seventy Two Only	304344.00
5	Construction of Haudi internal size 0.45mtr x 0.45mtr & 0.45mtr depth in Brick masonry 1:5, bed 40mm thick cement concrete 1:2.4, 150mm thick base lean concrete 1:8:16, RCC Slab cover 75mm thick inside plaster, cement rendering & RCC man hole cover 450x450 mm clear inside opening rectangular RCC Manhole cover with frame Light Duty complete as per Drawing attached & as desired by the Engineer-in-charge	13.00 nos		4442.00	Rupees Four Thousand Four Hundred Forty Two Only	57746.00
5	Construction of Rain water recharge well 3.00mtr dia with working depth 3.50mtr dia consisting of drilling bore 300mm dia 80mtr, supplying and lowering pvc perforated housing pipe 200 mm dia 10kgf/sqcm 50mtr surrounded with filtermedia, galvanised stainer CI pipe Class LA 150mm i/d 4mtr duly plugged from top with bail plug, fixing MS clamp, MS socket. Well size 3.00 mtr internal dia, 3.00 mtr deep constructed with BB in 1:5 cement sand mortar plastered from inside, RCC slab, filter media in 3 Layers, 2Nos RCC Man hole cover conneted with collecting chamber size 1mtr x 1mtr x 1.20 mtr deep providing and fixing MS grating and all other relevant material required as per site complete in all respect as per drawing attached and entire satisfaction of the Engineer-in-charge. (Note :- Payment will be made as per CSR Based Rates Plus/Minus Quoted rates).	2.00 No		317201.00	Rupees Three Lakh Seventeen Thousand Two Hundred One Only	634402.00
Total Sub Work-4:-						1147353.98
<b>Sub Work-5</b>						
1	<b>Providing Fire Fighting Arrangements as per NBC Norms</b> Providing and fixing of FIRE EXTINGUISHER CO2 type as per IS:15683 complete with all accessories as per manufactures sepcification. ISI Mark Complete in all respect. 4.5kg capacity	25.00 Nos		7150.19	Rupees Seven Thousand One Hundred Fifty And Nineteen Paise Only	178754.75
2	Providing and fixing of FIRE EXTINGUISHER ABC powder type (Stored pressure) as per IS:15683 complete with all accessories as per manufactures sepcification. ISI Mark Complete in all respect. 6kg Capacity	25.00 Nos		2940.30	Rupees Two Thousand Nine Hundred Forty And Thirty Paise Only	73507.50

Signature of Tenderer with seal

Page No. 118.86

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
3	Providing and fixing of FIRE EXTINGUISHER, Mechanical Foam Type 9 ltr IS: 15683 Stored Pressure type complete with all accessories as per Manufacturers Specification. ISI Mark of approved make complete in all respect.	1.00 Nos		3000.64	Rupees Three Thousand And Sixty Four Paise Only	3000.64
4	SITC of MS Pipe Providing, laying, fixing, testing and commissioning of 'C' Class heavy duty MS Pipe conforming to Indian Standard IS : 1239/3589 including fittings like tees, bends, sockets, elbows, flanges, tapers, nuts bolts, gaskets etc. fixing the pipe on the wall / ceiling with suitable clamps and painting with two or more coats of synthetic enamel paint of required shade complete in all respects.					
4.1	100mm internal diameter	61.22 mtr		1517.95	Rupees One Thousand Five Hundred Seventeen And Ninety Five Paise Only	92928.90
5	SITC of Butterfly valve Supplying, Laying, Testing and Commissioning of ISI marked BUTTERFLY VALVE PN 1.6, with Gun metal seal duly ISI marked complete with rubber insertion, nuts, bolts and washers, matching flanges of required thickness, etc. complete as per specifications.					
5.1	100 mm i/d	18.00 each		3431.04	Rupees Three Thousand Four Hundred Thirty One And Four Paise Only	61758.72
6	Providing & fixing ISI Marked Non-return valves flanged end class PN-1.0 as per IS-5312/2004 in pipe lines including jointing & cost of Nut Bolt, rubber insertion etc. complete. Note: If Non-return valves class PN-1.6 is used instead of class PN-1.0, than 5% will be paid extra. Class PN-1.0 as per ISI with rubber Flap					
6.1	100mm i/d Non-return valve	9.00 each		5159.78	Rupees Five Thousand One Hundred Fifty Nine And Seventy Eight Paise Only	46438.02
7	Providing and fixing fire brigade inlet connection of cast iron body with Gun metal 63mm dia instantaneous type male coupling with built in check valves and 150mm dia flanged outlet complete with bolts, nuts and rubber insertions as per IS:904. (to be connected to static tank).					
7.1	Four Way inlet connection	3.00 each		9743.88	Rupees Nine Thousand Seven Hundred Forty Three And Eighty Eight Paise Only	29231.64

Signature of Tenderer with seal

Page No. 118.87

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs.	P
				Figure	Words		
8	Supplying, Installation, Testing and Commissioning of G.M Single headed hydrant valve with instantaneous Gun metal peet coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (TypeA) with blank Gunmetal Cap and chain including orifice plate made of 6mm th Stainless steel to keep the pressure not more than 3.5 per sqcm at any point complete in all respects.	18.00	Nos	6784.57	Rupees Six Thousand Seven Hundred Eighty Four And Fifty Seven Paise Only	122122.26	
9	Supplying, Installation, Testing and Commissioning 63 mm dia gun-metal Branch Pipe (ISI marked) with 20mm (nominal internal dia) size Gun metal nozzle conforming to IS 903, suitable for instantaneous connection to interconnect hose pipe coupling as required.	9.00	Nos	2047.45	Rupees Two Thousand Forty Seven And Forty Five Paise Only	18427.05	
10	Supplying, Installation, Testing and Commissioning of RRL FIRE hose Type A, IS-636, 63mm dia x 15m long with gunmetal male & female couplings (ISI marked) bound & riveted to hose pipes with copper rivets and copper wire as required.	9.00	Nos	4711.09	Rupees Four Thousand Seven Hundred Eleven And Nine Paise Only	42399.81	
11	Supplying, Installation, Testing and Commissioning of Non-percolating flexible CP HOSE as per IS-8423 / 1994 ISI marked 63mm dia x 15 m long complete with instantaneous type gun-metal 63 mm dia male & female coupling (IS: 903) bound and riveted to hose pipes.	18.00	Nos	4197.24	Rupees Four Thousand One Hundred Ninety Seven And Twenty Four Paise Only	75550.32	
12	Supplying, Installation, Testing and Commissioning of First Aid-fire Hose reel with MS construction spray painted in post office red, conforming to IS 884 with upto date amendments, complete with rubber hose pipe (IS-444/1987) 20mm dia 30 meter long type-2, hose reel Drum with bracket as per IS-884, 20mm dia GM nozzle and 20mm dia GM gate valve as required complete with G.I pipe connection with main pipe complete in all respect.	9.00	Nos	9532.07	Rupees Nine Thousand Five Hundred Thirty Two And Seven Paise Only	85788.63	
13	Supplying, Installation, Testing and Commissioning standard Fire Man's axe with heavy insulated rubber conforming to IS 936 complete in all respect.	9.00	Nos	848.96	Rupees Eight Hundred Forty Eight And Ninety Six Paise Only	7640.64	
14	Supplying, Installation, Testing and Commissioning of weather proof cabinet for hose fabricated out of 1.6mm thickness M.S. sheet with front glass door having locking arrangement, suitable to accommodate all the necessary pipes, accessories, fittings etc including painting the metal portion with one coat of ready mixed primer paint and two coats of synthetic enamel paint of approved shade and quality, sign writing etc.						
14.1	600 mm wide x 600 mm high x 300 mm deep Size - (for RRL Reel)	9.00	Nos	4324.30	Rupees Four Thousand Three Hundred Twenty Four And Thirty Paise Only	38918.70	

Signature of Tenderer with seal

Page No. 118.88

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	Amount Rs. P
15	Supplying & fixing air vessel made out of 250mm. Dia. 8 mm thick MS sheet. 1200mm height with air release valves on top and flanged connection to risers, drain arrangements with 25 mm dia gunmetal wheel valves, with required accessories, pressure gauge and painting with synthetic enamel paint of approved shade as required	3.00 nos		18343.56	Rupees Eighteen Thousand Three Hundred Forty Three And Fifty Six Paise Only	55030.68
16	Providing and fixing of Pressure switch of approved make in MS pipe line suitable for line pressure up to 15kg/cm <sup>2</sup> & including connection with main panel etc. as required complete in all respect	3.00 nos		3799.27	Rupees Three Thousand Seven Hundred Ninety Nine And Twenty Seven Paise Only	11397.81
17	Providing and fixing S.S Pressure Gauge complete as required complete in all respect.					
17.1	Dial diameter 100mm calibration 0-16 Kg	9.00 each		809.63	Rupees Eight Hundred Nine And Sixty Three Paise Only	7286.67
18	Supplying and Installation control valve C/W water motor gong complete with alarm Valve, constant trim, water motor bell. 2No. Pressure Gauge. All parts UL listed. complete in all respect.					
18.1	100 mm control valve	3.00 nos		27843.88	Rupees Twenty Seven Thousand Eight Hundred Forty Three And Eighty Eight Paise Only	83531.64
19	Providing, laying, fixing, testing and commissioning of 'C' Class heavy duty MS Pipe conforming to Indian Standard IS : 1239/3588 including fittings like tees, bends, sockets, elbows, flanges, tapers, nuts bolts, gaskets etc. in ground with anti corrosive treatment with wrapping coating tape (4mm pypkote tape) as per IS : 10221 including cost of primer etc. excluding cost of excavation and refilling complete in all respects.					
19.1	100mm internal diameter	23.00 mtr		2428.64	Rupees Two Thousand Four Hundred Twenty Eight And Sixty Four Paise Only	55858.72
20	XLPE INSULATED ARMoured CABLES (UNDERGROUND): Supply, laying and erection of aluminium conductor XLPE insulated PVC sheathed armoured and served cable 1100 volts grade as per IS:7098 (Part-1)1988 to be laid 1metre below ground level including excavation, sand cushioning, covering with sand & First Class bricks and back filling the trench etc., of the required size as per PWD General Specifications.-					
20.1	Overall size 16sq.mm (3Core) Armoured (Underground)	121.91 rmt		487.78	Rupees Four Hundred Ninety Seven And Seventy Eight Paise Only	60884.36

Signature of Tenderer with seal

Page No. 118.89



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs. P
21	Providing & placing in position on terrace (at all floor levels) HDPE water storage tanks of approved make (to the approval of Engineer -in-charge) with cover with suitable locking arrangement and making necessary holes for inlet, outlet and over flo pipes but without fittings and base support for tank. Tripple Layer Tanks	75000.00	ltr	11.38	Rupees Eleven And Thirty Eight Paise Only	8353500.00
22	Providing and fixing in position automatic brass Ball Cock in tanks. Plastic Ball Cock with rod and Plastic Ball					
22.1	32mm i/d	9.00	Nos	957.97	Rupees Nine Hundred Fifty Seven And Ninety Seven Paise Only	8621.73
23	Providing and fixing in position G.I. Tank Nipple of approved make (to the approval of Engineer-in-charge) in PVC Water storage tanks complete in all respect.					
23.1	G.I. tank nipple 32mm i/d	9.00	Nos	280.35	Rupees Two Hundred Eighty And Thirty Five Paise Only	2523.15
24	Construction of Platform complete as per specification & as desired by Engineer-in-charge					
24.1	For 5000 ltr Water Tank	3.00	Nos	13126.00	Rupees Thirteen Thousand One Hundred Twenty Six Only	39378.00
24.2	For 10000 ltr Water Tank	6.00	Nos	17118.00	Rupees Seventeen Thousand One Hundred Eighteen Only	102708.00
25	Terrace Pump, 900 lpm at 35m head 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) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical confirming to IS : 1520 Suitable HP squirrel cage induction motor TEFC type suitable for operation on 415 volts, 3 phase, 50 Hz, AC supply with IP55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. c) M.S.fabricated common base plate, coupling, coupling guard, foundation bolts etc.as required. d) Suitable cement concrete foundation duly plastered and with anti vibration pads. (Note :- The head of the pump is selected in a manner so as to give a minimum 3.5kgf/cm2 pressure at the highest/fathest point)	2.00	Nos	104494.00	Rupees One Four Thousand Four Hundred Ninety Four Ony	208988.00
Total Sub Work-5:-						2365976.34

Signature of Tenderer with seal

Page No. 118.90

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate		AMOUNT Rs. P
					Words		
	<b>Sub Work-2</b>						
	<b>Sub Head-1 :- Providing and Installation of tube well &amp; Development of Head works</b>						
1	Drilling Trial Bore using Telescopic Method with suitable rig to extract water samples of different strata's encountered during drilling to check water quality with respect to Physical & Chemical Analysis, Heavy Metals such as Iron, Nitrate, Arsenic, Fluoride, Selenium, Uranium etc. The payment for testing water sample will be paid extra as per the quoted rates against relevant items of this bid. However the rates includes analysis of sand of all strata from where the water sample have been collected. (It should be ensure that the water sample is collected by an officer of rank not less than SDE)						
1.1	Drilling of 550mm dia bore upto 150 m depth BGL	150.00	mtr	400.00	Rupees Four Hundred Only		60000.00
1.2	Drilling of 550mm dia bore Beyond 150 m depth BGL up to 300 Mtr	30.00	mtr	500.00	Rupees Five Hundred Only		15000.00
2	Drilling of 500mm dia bore with Reverse Rotary Rig in all kinds of soil including the cost of consumable stores, fuel oil and transportation of rig to the site. complete in all respect.						
2.1	Drilling of 500mm dia bore with Reverse Rotary Rig upto 150 m depth BGL	150.00	mtr	1250.32	Rupees One Thousand Two Hundred Sixty And Thirty Two Paise Only		189048.00
2.2	Drilling of 500mm dia bore with Reverse Rotary Rig Beyond 150 m depth BGL up to 300 Mtr	30.00	mtr	1640.48	Rupees One Thousand Six Hundred Forty And Forty Eight Paise Only		49214.40
3	Making electric Logging of borehole with electronic well logger including cost of equipment at site etc. complete in all respect	1.00	each	16696.47	Rupees Sixteen Thousand Six Hundred Ninety Six And Forty Seven Paise Only		16696.47
4	Supplying, lowering of MS Pipe as per IS: 4270-2001 including MS sockets having dimensions as per IS code duly welded with MS electrode to have extra strength to lower the pipe into tubewell bore.						
4.1	200mm nominal diameter (weight 33.6 kg per metre) 6.4mm thickness	151.00	kg	3695.22	Rupees Three Thousand Six Hundred Ninety Five And Twenty Two Paise Only		594930.42
5	Supplying, Fixing & lowering of Stainless Steel Cage type wire wound screen as per IS:8110-2000 or latest ISI marked Duly welded with suitable grade S.S welding electrode to lower the strainer into tubewell bore.						
5.1	200mm Steel Strainer (slot size 0.75mm) 6.30 mm thickness	15.00	mtr	9571.05	Rupees Nine Thousand Five Hundred Seventy One And Five Paise Only		143565.75

Signature of Tenderer with seal

Page No. 118.91

**XEN**



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs.	P
				Figure	Words		
4	Supplying, fixing & lowering of Stainless Steel Socket as per IS 8110-2000 or latest ISI Marked Duly Welded with suitable grade S.S welding electrode to lower the strainer into the Tubewell bore complete in all respect.						
4.1	200mm internal diameter	4.00	Each	5138.87	Rupees Five Thousand One Hundred Thirty Eight And Eighty Seven Paise Only	205	55.48
6	Supplying, Lowering & fixing of M.S. special socket to connect S.S. Strainer to M.S. Pipe duly welded with suitable grade welding electrode complete in all respect.						
6.1	200mm internal diameter	8.00	Each	1027.57	Rupees One Thousand Twenty Seven And Fifty Seven Paise Only	82	20.56
7	Supplying & fixing of bail plug of M.S. pipe complete with inverted U-hook attached to the bottom plug complete in all respect.						
7.1	200mm internal diameter (weight 33.6 kg per metre) 30 mm thickness	4.00	mt	2639.45	Rupees Two Thousand Six Hundred Thirty Nine And Forty Five Paise Only	105	57.80
8	Supplying and fixing M.S well cap having thread to fix on housing pipe complete in all respect						
8.1	200mm internal diameter	1.00	Each	777.73	Rupees Seven Hundred Seventy Seven And Seventy Three Paise Only	7	77.73
9	Supplying & fixing of M.S. Clamp of size 200mm x 12mm made out of MS Flat 1.52 m long, suitable to fit Housing pipe including the cost Nut & Bolts of Suitable size complete in all respect.	1.00	Each	2816.24	Rupees Two Thousand Eight Hundred Sixteen And Twenty Four Paise Only	28	16.24
10	Supplying at site Wooden box of suitable size with Lid & locking arrangement for preserving strata sample collected from the bore.	1.00	Each	608.53	Rupees Six Hundred Eight And Fifty Three Paise Only	6	08.53
11	Supplying at site of gravel of 1/16" to 1/8" sizes including pouring and packing in the annular space between the pipes assembly and the bore. The gravel should be free from dust, dirt, or the vegetable matter as per IS 4097/1967 with latest amendments (to be paid as per actual length of pipe)	26.50	cum	1751.97	Rupees One Thousand Seven Hundred Fifty One And Ninety Seven Paise Only	46	27.21
12	Supplying and fixing mild steel centering guides made out of 32mm X 6mm thick M.S bar complete in all respect	5.00	Each	306.35	Rupees Three Hundred Six And Thirty Five Paise Only	15	31.75
13	Collection of water sample from different strata and testing of sample from approved laboratory (Physical & chemical Analysis)	1.00	Each	295.38	Rupees Two Hundred Ninety Five And Thirty Eight Paise Only	2	95.38
14	Testing of water sample for Heavy metal from approved laboratory (Aluminium, Selenium, cadmium, chromium, Toxic material such as Arsenic, lead, mercury, nickel, pesticide etc.)	1.00	Each	5981.44	Rupees Five Thousand Nine Hundred Eighty One And Forty Four Paise Only	5	81.44

Signature of Tenderer with seal

Page No. 118.92

XEN

Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMOUN T Rs.	P
				Figure	Words		
15	Development and Stabilizing of the tubewell with air compressor of required capacity as directed by the engineer-in-charge including cost of tools, appliances & consumable to the satisfaction of Engineer-in-charge.						
15.1	Capacity of Air compressor 300 cfm at 250 PSI	10.00	hrs	3510.15	Rupees Three Thousand Five Hundred Ten And Fifteen Paise Only	3510	1.50
16	Development of stabilizing of the tubewell with submersible pump of required capacity as directed by the engineer-in-charge including cost of tools, appliances & consumable to the satisfaction of Engineer-in-charge.	8.00	hrs	1907.99	Rupees One Thousand Nine Hundred Seven And Ninety Nine Paise Only	1526	3.92
17	Provision for Sanitary Clay Seal (as per BIS code IS [2800:2019] including Sterilization of Tubewell	1.00	job	5000.00	Rupees Five Thousand Only	500	0.00
18	Providing & installing, testing & commissioning of 1 no electrically driven Submersible Pump set capable of delivering 204 LPM against a head of 75 mtr complete in all respect	1.00	Each	39580.00	Rupees Thirty Nine Thousand Five Hundred Eighty Only	3958	0.00
19	Providing & fixing Electrical Panel board consisting of electrical appliances such as automatic, Star Delta Push Button or Oil immersed starter, Main Switch, VM, Ampere Meter, ELCB, Shunt capacitor, Single phase preventer, indicating lamps, kit-kit etc complete in all respect	1.00	Each	22000.00	Rupees Twenty Two Thousand Only	2200	0.00
20	Providing and fixing G.I Column pipe of IS 1239-2004 medium class size 85mm (in 3mtr lengths each with flanges, screwed and welded on both sides) rubber gaskets, nuts and bolts complete in all respects.	71.00	ntr	899.36	Rupees Eight Hundred Ninety Nine And Thirty Six Paise Only	6385	4.56
21	Providing and fixing Submersible cable with copper conductor PVC insulated of 2.5mm <sup>2</sup> size as per IS 694-1990 reaffirmed 2000 complete in all respects.	152.00	ntr	144.12	Rupees One Hundred Forty Four And Twelve Paise Only	2190	6.24
22	Providing & fixing Delivery main consisting D/F pipes & specials (ISI marked) inside Pump chamber including pressure gauge and Depth gauge etc. complete in all respects, 80mm i/d. as per detail attached	1.00	Job	40500.00	Rupees Forty Thousand Five Hundred Only	4050	0.00
23	Providing, Laying, fixing & jointing of uPVC Pipes (Type-A) as per ISI-4985:2021, (ISI marked with the prior approval of Engineer -in-charge) along the Trenches and laying the same in Trenches to correct alignment and gradients, cutting, jointing and testing complete as per specifications. Supplying, fixing and jointing PVC / H.D.P.E pipe's specials complete as desired by Engineer-in-Charge.						
23.1	90mm o/d pipe of 10 Kgf / sqcm For pipe lines laid outside habitation & in the open area/ field	30.00	Mtr.	308.58	Rupees Three Hundred Eight And Fifty Eight Paise Only	925	7.40

Signature of Tenderer with seal

Page No. 118.93



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs.
				Figure	Words	
24	Excavation manually in trenches for pipe lines with straight or open cutting in streets and lanes in builtup area where width of street / Lane from wall to wall is less than 3 meter including trimming and dressing sides levelling of beds of trenches to correct grade, cutting joint holes, refilling consolidation, watering, including the cost of dewatering of rain water, diversion for traffic, night signals, Providing & fixing caution boards, watching, fencing, etc. and removal of surplus soil from the site upto 15 meter distance complete in all respects.					
24.1	Earth work upto 1.5 m. Depth	18.00	cum	178.07	Rupees One Hundred Seventy Eight And Seven Paise Only	3205.26
25	All classes of soil except rocky Providing & fixing C.I/D.I Flanged end, stem of SS (AIS 1410) and Bronze(gunmetal) working parts Sluice Valves ISI marked 14846-2000, including jointing, testing & cost of Nut, Bolt & insertion sheet, all carriage complete (with the approval of Engineer in-charge). Class PN-1 as per IS					
25.1	80mm i/d Sluice Valves flanged	1.00	each	4430.64	Rupees Four Thousand Four Hundred Thirty And Sixty Four Paise Only	4430.64
26	Construction of masonry Sluice Valve Chamber excluding Sluice valve cover as per standard design & drawings of public health department.					
26.1	Size 0.9 m. x 0.9 m.	1.00	each	8247.50	Rupees Eight Thousand Two Hundred Forty Seven And Fifty Paise Only	8247.50
27	Development of water works site					
27.1	Providing & G.I barbed wire (3 ply) fencing around the Head works site in 3 rows complete in all respects. D-6 & D-8	200.00	Mtr	19.00	Rupees Nineteen Only	3800.00
27.2	Providing & fixing Angle Iron Pickets as per DWSS size 40mm x 40mm x 6mm 6 ft. long	27.00	Each	640.00	Rupees Six Hundred Forty Only	17280.00
27.3	Providing & fixing D-Hooks as per DWSS as per standard drawing	30.00	Each	180.00	Rupees One Hundred Eighty Only	5400.00
27.4	Construction of Brick masonry corner pillars including Cost of material such as Bricks, sand, Cement, Bajri, etc. complete respects as per W/S & Sanitation Deptt. Standard design & Drawings.	4.00	Each	7040.00	Rupees Seven Thousand Forty Only	28160.00
27.5	Construction of Masonry Gate Pillar including cost of MS Steel Gate size 1.22 mtr x 1.37 mtr as per standard drawing with including D-4 complete in all respects.	1.00	Each	30300.00	Rupees Thirty Thousand Three Hundred Only	30300.00
27.6	Construction of Cement concrete footpath with Masonry toe wall & earth filling inside water works as per standard drawing D-7 complete in all respect	25.00	Mtr	2450.00	Rupees Two Thousand Four Hundred Fifty Only	61250.00
28	CHLORINATION & DISINFECTION					

Signature of Tenderer with seal

Page No. 118.94

XEN

Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMOUNT Rs.	P
				Figure	Words		
28.1	Providing, installing, testing and commissioning one no. electrically actuated diaphragm operated, metering system, chemical dosing chlorinator, suitable for delivering 0.5 to 6 ltr. of bleaching powder solution/ sodium hypo solution per hour under maximum delivery pressure up to 7kg cm <sup>2</sup> , and suction lift not less than 1.5m, as per DWSS standard specification	1.00	each	17000.00	Rupees Seventeen Thousand Only	17000.00	00
29	Construction of Pump Chamber 3.05x3.70m as per PWD Specification & drawing issued by DWSS	1.00	each	363475.00	Rupees Three Lakh Sixty Three Thousand Four Hundred Seventy Five Only	363475.00	00
	<b>Total Sub work-2</b>					<b>1961239.00</b>	<b>8</b>
	<b>Sub Head-1 Providing UGSR 15000 ltr including boosting pump.</b>						
	Construction of collecting tank 3mtr dia and 2.15 depth capacity 15000 ltr complete in all respects (Note :- Payment will be made itemwise work done at site as per CSR Based Rates Plus/Minus Quoted rates).	1.00	Each	153395.00	Rupees One Fifty Three Thousand Three Hundred Ninety Five Only	153395.00	00
	Providing & Installing, testing & commissioning of 1 Nos Electrically driven boosting pump set of 5.00 BHP (KSB/Crompton equivalent make capable of delivering 203 LPM against a head of 20mtr complete in all respects	1.00	Each	32685.00	Rupees Thirty Two Thousand Six Hundred Eighty Five Only	32685.00	00
	Providing and fixing 2.50mm <sup>2</sup> core cable to submersible pump complete in all respects as per specifications	50.00	mtr	144.12	Rupees One Hundred Forty Four And Twelve Paise Only	7206.00	00
	Providing & Installation of Smart starter panel board including Automatic controller of 5BHP complete in all respects.	1.00	job	5265.94	Rupees Five Thousand Two Hundred Sixty Five And Ninety Four Paise Only	5265.94	04
	<b>Total Sub Work-2</b>					<b>198551.00</b>	<b>4</b>
	<b>Total Sub Work 1+2+3+4+5+6:-</b>					<b>16828089.00</b>	<b>1</b>

Signature of Tenderer with seal

Page No. 118.95



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		A MOUNT Rs.
				Figure	Words	
D1	ELECTRICAL SERVICES Providing Internal Electrical Installations: POINT WIRING:					
1	RECESSED PVC CONDUIT PIPE WIRING SYSTEM WITH MODULAR SWITCHES: Wiring in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5sq. mm, 1100volts grade to be laid in heavy gauge PVC conduit pipe 20mm/ 25mm dia. (ISI Marked) recessed in wall etc., complete with powder coated/anodized concealed metal boxes (1.6mm thick with Brass lugs) required for suitable number of modules (Modular accessories) for having Step type electronic fan regulators (two module) 100watts, bell push, 6Amp. 2/3 universal socket (shuttered), 16/20Amp. combined/ universal Socket (shuttered), 6/10Amp. Switches, 16/20Amp. switches with indicator etc. and covered with Frame Plate etc., PVC connector (For Fan Box and Call Bell), Steel Hooks, Sheet metal fan box (1.6mm thick shape hexagonal), Circular Junction Boxes (Four way PVC 1 1/2" deep for walls and Cl 3" deep for ceiling), bonding to earth with PVC insulated copper conductor single core FR cable (ISI marked) 1sq. mm, 1100volts grade (For 6Amp. wall socket & plug control point) and other petty material etc., including the cost of above material, cutting and filling up of chases (with finishing the surface):-					
1.1	Wiring fan point with sheet metal fan box	253.00	Each	1210.21	Rupees One Thousand Two Hundred Ten And Twenty One Paise Only	306183.10
1.2	Wiring light point	765.00	Each	762.47	Rupees Seven Hundred Sixty Two And Forty Seven Paise Only	583289.50
1.3	Wiring call-bell point	2.00	Each	744.03	Rupees Seven Hundred Forty Four And Three Paise Only	1488.06
1.4	Wiring 3 pin 6 Amp. wall socket point	105.00	Each	618.93	Rupees Six Hundred Eighteen And Ninety Three Paise Only	64987.65
1.5	Wiring 3 Pin 6 Amp. Plug control comprising wall socket point	151.00	Each	371.36	Rupees Three Hundred Seventy One And Thirty Six Paise Only	56075.30
1.6	Wiring 3 pin 16/20 amp. power plug control point	35.00	Each	478.03	Rupees Four Hundred Seventy Eight And Three Paise Only	16731.05
1.7	Wiring light point with double control switches.	12.00	Each	1326.09	Rupees One Thousand Three Hundred Twenty Six And Nine Paise Only	15913.08

Signature of Tenderer with seal

Page No. 118.96

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs.
				Figure	Words	
2	RECESSED COMPUTER SUPPLY TERMINAL POINTS (USED FOR HGW PVC CONDUIT & HDPE PIPE WIRING SYSTEM WITH MODULAR ACCESSORIES): Wiring Computer supply terminal points recessed in wall etc., complete with powder coated/anodized concealed metal boxes required for suitable number of modules (Modular accessories) for having 6Amp. 2/3 universal socket (shuttered), 16/20Amp. combined/ universal Socket (shuttered), 6/10/16/20Amp. Switches and blanking plate etc., and covered with Frame Plate and other petty material etc. including the cost of above material, cutting and filling up of chases (with finishing the surface):-					
2.1	Wiring Computer terminal point having 3 Nos. 6Amp. 2/3 universal socket (shuttered), 1No. 15 Amp. switch with indicator and 1No. blanking plate (Modular accessories).	39.00	Each	707.95	Rupees Seven Hundred Seven And Ninety Five Paise Only	27610.05
3	SUPPLY AND ERECTION OF WIRING ACCESSORIES Supply and erection of switches, sockets and other accessories (flush piano type/ modular accessories) in the existing bakelite/ modular cover frame including fixing & connections and petty material etc:-					
3.1	Ceiling Rose (Flush Piano type)	36.00	Each	36.35	Rupees Thirty Six And Thirty Five Paise Only	1308.6
3.2	Call Bell 220/230 volts AC Ding Dong	2.00	Each	132.06	Rupees One Hundred Thirty Two And Six Paise Only	264.12
4	LED'S FIXTURES & FANS: Supply and erection of LED batten 20 Watt LED (including constant LED driver) with High quality extruded aluminium with efficacy of LED fixture minimum 100 lumens per watt and operating voltage between 140 to 270 volt, THD <10% ingress protection IP20 (as per latest BIS standards) surge protection - 2.5 KV and above (as per IS/IEC standards) wattage of each low power LED less than 1 watt input AC frequency 50 Hz $\pm$ 3 % with 5 year warranty including there drivers complete along with erection of the same with connections, testing etc. complete in all respects as approved and desired by the Engineer-in-charge at site. LED Fitting as per Specifications approved by Hon. Tech. Advisor to CM Punjab vide Letter ION No. AT/2021/GJ/1410-1422, Dated: 06.05.2021. Besides this the lighting fixtures manufactures should have in house NABL accredited laboratory.	162.00	Each	589.00	Rupees Five Hundred Eighty Nine Only	95418

Signature of Tenderer with seal

Page No. 118.97



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMO R s. P
				Figure	Words	
5	Supply and erection of LED batten 40 Watt LED (including constant LED driver) with High quality extruded aluminium with efficacy of LED fixture minimum 100 lumens per watt and operating voltage between 140 to 270 volt, THD <10% ingress protection IP20 (as per latest BIS standards) surge protection - 2.5 KV and above (as per IS/IEC standards) wattage of each low power LED less than 1 watt input AC frequency 50 Hz $\pm$ 3 % with 5 year warranty including there drivers complete along with erection of the same with connections, testing etc. complete in all respects as approved and desired by the Engineer-in-charge at site. LED Fitting as per Specifications approved by Hon. Tech. Advisor to CM Punjab vide Letter ION No: AT/2021/GJ/1410-1422, Dated: 06.05.2021. Besides this the lighting fixtures manufactures should have in house NABL accredited laboratory.	244.00	Each	813.00	Rupees Eight Hundred Thirteen Only	198372
6	Supply and erection of Recessed mounted 36watt LED panel (including LED driver) with CRCA sheet having efficacy of LED fixture minimum 100 lumens per watt and operating voltage between 140 to 270 volt, THD <10% ingress protection IP20 (as per latest BIS standards) surge protection - 2.5 KV and above (as per IS/IEC standards) wattage of each low power LED less than 1 watt input AC frequency 50 Hz $\pm$ 3 % with 5 year warranty including there drivers complete along with erection of the same with connections, testing etc. complete in all respects as approved and desired by the Engineer-in-charge at site. LED Fitting as per Specifications approved by Hon. Tech. Advisor to CM Punjab vide Letter ION No: AT/2021/GJ/1410-1422, Dated: 06.05.2021. Besides this the lighting fixtures manufactures should have in house NABL accredited laboratory.	6.00	Each	2690.00	Rupees Two Thousand Six Hundred Ninety Only	16140

Signature of Tenderer with seal

Page No. 118.98

XEN

Sl. No.	Description of work	No.or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs.
7	Supply and erection of Surface LED 1'x4' 40Watt Panel Ceiling light with high performance, commercial grade full diffuser providing uniform light with efficacy of LED fixture 100 lumens per watt (Minimum) and operating voltage between 140 to 270 volt, THD <10% ingress protection IP20 (as per latest BIS standards) surge protection - 2.5 KV and above (as per IS/IEC standards) wattage of each low power LED less than 1 watt input AC frequency 50 Hz $\pm$ 3 % with 5 year warranty including there drivers complete along with erection of the same with connections, testing etc. complete in all respects as approved and desired by the Engineer-in-charge at site. LED Fitting as per Specifications approved by Hon. Tech. Advisor to CM Punjab vide Letter ION No. AT/2021/GU/1410-1422, Dated: 06.05.2021. Besides this the lighting fixtures manufactures should have in house NABL accredited laboratory.	294.00	Each	3379.00	Rupees Three Thousand Three Hundred Seventy Nine Only	993426
8	Supply and erection of BEE 3-Star rating AC Ceiling Fan 1200mm (48") suitable for 230 V single phase with double ball bearing, copper wound, full aluminium body, 3Nos. of blades, white in colour. The mounting type is down rod mount. The product should possess a minimum air delivery of 210 CMM (approx.). The rated speed of the product must be minimum of 300 revolutions per minute and 5Nos. of speeds. The product should have a manufacturer's guarantee/warranty of minimum 2 years. The product should be complete in all aspects with fan motor, bladeset, down rod, canopy set, shackle kit, twisted wire etc., including erection & testing of ceiling fan having connection with PVC insulated PVC sheathed two single core copper conductor (FR) cable 0.75 sq. mm complete in all respects as per satisfaction of the Engineer in-charge at site.	253.00	Each	3520.00	Rupees Three Thousand Five Hundred Twenty Only	890560
9	Supply and erection of Wall Fan Plastic Body 400MM, 15" including flexible wire & petty material etc. for connections and testing complete in all respect as approved and desired by the Engineer in-charges at site.	36.00	Each	3384.00	Rupees Three Thousand Three Hundred Eighty Four Only	121824
10	Supply and erection of Heavy duty Exhaust Fan 300mm, 900RPM with aluminium louver shutter, double ball bearing longer life including flexible wire & petty material etc. for connections and testing complete in all respect as approved and desired by the Engineer in-charges at site.	36.00	Each	4846.00	Rupees Four Thousand Eight Hundred Forty Six Only	174456
	OCCUPANCY SENSORS.					

Signature of Tenderer with seal

Page No. 118.99



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs.	P
				Figure	Words		
11	Supply and erection of Ceiling mounted Occupancy based PIR sensor (360° detection angle motion detector) with installation height 3mts. 8.5 Amps resistive load, Detection dia 8M, time delay - 5s to 59 mins, Light level threshold - 5 to 1275 Lux, IP - 20, Sensitivity Adjustment, Walk LED test, with additional options like walkthrough, daylight set point, vacancy complete in all respect as approved and desired by the Engineer in-charges at site.	33.00	Each	3288.00	Rupees Three Thousand Two Hundred Eighty Eight Only	108504	
12	SUSPENSION RODS FOR CEILING FANS: HEAVY GAUGE WELDED CONDUIT PIPES: Supply & erection of Heavy gauge welded conduit pipe (ISI marked) as per IS:9537:Part-II for wiring purposes including bends, junction boxes, Steel hooks, GI saddle clamps and other petty materials etc., where necessary including painting as per PWD General Specifications:-						
12.1	Supply & erection of 19/20mm dia. M.S. conduit pipe (1.6mm thick), white painted suspension rod for ceiling fan.	98.00	mtr.	131.69	Rupees One Hundred Thirty One And Sixty Nine Paise Only	12905.62	
13	CONDUIT PIPE & COPPER WIRES: PVC, HDPE PIPES & PVC FLEXIBLE PIPES: Supply & erection of PVC Conduit Pipes (ISI marked) as per IS9537:Part-III & HDPE pipes (ISI marked) as per IS-4984:1995 for wiring purposes including bends, junction boxes, Steel hooks, M.S. saddle clamps and other petty materials etc., as per PWD General Specifications:-						
13.1	Heavy gauge PVC conduit pipe 20mm dia. (ISI marked) Flushed	790.00	mtr.	60.47	Rupees Sixty And Forty Seven Paise Only	47771.3	
13.2	Heavy gauge PVC conduit pipe 25mm dia. (ISI marked) Flushed	270.00	mtr.	70.80	Rupees Seventy And Eighty Paise Only	19116	
13.3	Heavy gauge PVC conduit pipe 32mm dia. (ISI marked) Flushed	50.00	mtr.	97.34	Rupees Ninety Seven And Thirty Four Paise Only	4867	
13.4	Heavy gauge PVC conduit pipe 40mm dia. (ISI marked) Flushed	560.00	mtr.	128.32	Rupees One Hundred Twenty Eight And Thirty Two Paise Only	71859.2	
14	PVC INSULATED SINGLE CORE FR COPPER CONDUCTOR CABLE: Supply and erection of PVC insulated FR single core Unsheathed copper conductor cable (ISI marked) suitable upto 1100 volts grade conform to IS:694/1980 left bare in pipe or casing of suitable size complete in all respect as desired by the Engineer-in-charge:-						

Signature of Tenderer with seal

Page No. 118.100

VEN

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
14.1	Overall size 1sq.mm (Un-sheathed)	3750.00	mtr.	23.60	Rupees Twenty Three And Sixty Paise Only	88500
14.2	Overall size 1.5sq.mm (Un-sheathed)	690.00	mtr.	30.34	Rupees Thirty And Thirty Four Paise Only	20934.6
14.3	Overall size 2.5sq.mm (Un-sheathed)	820.00	mtr.	45.51	Rupees Forty Five And Fifty One Paise Only	37318.2
14.4	Overall size 4sq.mm (Un-sheathed)	1630.00	mtr.	65.74	Rupees Sixty Five And Seventy Four Paise Only	107156.2
14.5	Overall size 6sq.mm (Un-sheathed)	1240.00	mtr.	91.02	Rupees Ninety One And Two Paise Only	112864.8
14.6	Overall size 10sq.mm (Un-sheathed)	2480.00	mtr.	176.15	Rupees One Hundred Seventy Six And Fifteen Paise Only	436852
14.7	Overall size 16sq.mm (Un-sheathed)	200.00	mtr.	274.23	Rupees Two Hundred Seventy Four And Twenty Three Paise Only	54846
15	SUB DISTRIBUTION SYSTEM: SHEET METAL DOUBLE DOOR DISTRIBUTION BOARD FOR MCB/RCBO/ RCCB's: Supply and erection of sheet metal Double Door Distribution Boards IP 43- IK09 metal door (dust protected) as per IS 8623-1&3, IEC 61439-1&3 suitable for flush mounting with fully insulated copper busbars, shrouded neutral bars, earth bars, cement spill protector, colorcoded interconnecting wire set, cable ties, blanking plates and circuit identifications label and of required no. of ways for mounting miniature circuit breakers/ RCBO's/ RCCB's in the distribution board (For SP&N distribution board with provision DP MCB's/ RCBO's/ RCBO's as incomer and SP MCB's as outgoing and for TP&N horizontal distribution board with provision TPN/ FP MCB's/ RCBO's/ RCBO's as incomer and SP MCB's as outgoing) as per PWD General specifications including connections with suitable size of thimbles and bonding to existing earth etc.:-					
15.1	SP&N Double Door Distribution Board 8 way each	2.00	Each	1416.27	Rupees One Thousand Four Hundred Sixteen And Twenty Seven Paise Only	2832.54
15.2	TP&N Vertical Double Door Distribution Board 4 way each.	4.00	Each	6766.37	Rupees Six Thousand Seven Hundred Sixty Six And Thirty Seven Paise Only	27065.48

Signature of Tenderer with seal

Page No. 118.101





Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs — P
				Figure	Words	
15.3	TP&N Vertical Double Door Distribution Board 8 way each.	8.00 Each		8518.23	Rupees Eight Thousand Five Hundred Eighteen And Twenty Three Paise Only	68 — 145.84
16	Supply and erection of sheet metal Cable End Box (Make is same as MCB Distribution Board) mounting on the top or bottom of the MCB Distribution Board (Either Horizontal or Vertical) to keep loose wires & cables as per PWD General specifications including petty materials etc as required.-					
16.1	Cable End Box for SPN 8 Way	2.00 Each		679.30	Rupees Six Hundred Seventy Nine And Thirty Paise Only	— 1358.6
16.2	Cable End Box for TPN Vertical 4/8/12Way	12.00 Each		1802.33	Rupees One Thousand Eight Hundred Two And Thirty Three Paise Only	21 — 27.96
17	MINIATURE CIRCUIT BREAKERS: Supply and erection of Miniature Circuit Breaker MCB's for circuit protection against overload and short circuit current fault suitable for 240/415 volts 50cycles AC supply with breaking capacity of 10kA, Curve-C and low watt losses as per IS/IEC 60898-1, energy limitation class-3, true contact indication, label holder facility in the existing MCB distribution board as per PWD General Specifications including connections with suitable size of thimbles/lugs:-					
17.1	MCB Single Pole 6-32amp. (10kA, Curve-C)	210.00 Each		211.75	Rupees Two Hundred Eleven And Seventy Five Paise Only	4 — 467.5
17.2	MCB Double Pole 40amp. (10kA, Curve-C)	2.00 Each		877.04	Rupees Eight Hundred Seventy Seven And Four Paise Only	1 — 754.08
17.2	MCB Four Pole 40amp. (10kA, Curve-C)	4.00 Each		1701.93	Rupees One Thousand Seven Hundred One And Ninety Three Paise Only	6 — 07.72
17.3	MCB Four Pole 63amp. (10kA, Curve-C)	8.00 Each		1945.29	Rupees One Thousand Nine Hundred Forty Five And Twenty Nine Paise Only	15 — 562.32
18	Supply and erection of PVC flexible pipe complete without compression glands, locking arrangement, check-nuts as required.-					
18.1	PVC flexible pipe 40mm dia.	28.00 mtr.		34.77	Rupees Thirty Four And Seventy Seven Paise Only	— 973.56
19	Supply and erection of Compression glands, Locking arrangement, Checknuts for PVC flexible pipe complete with as required.-					

Signature of Tenderer with seal

Page No. 118.102

XEN

Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		Amount Rs.
				Figure	Words	
19.1	PVC compression Socket gland 40mm dia.	28.00	Each	32.66	Rupees Thirty Two And Sixty Six Paise Only	914.48
	<p> RISING MAIN: (IN ELECTRICAL DUCT)  RISING MAIN 200AMP : TO FEED THE COMPLETE LOAD OF SCHOOL BUILDING BLOCK  Supply, Installing testing and commissioning of 200A, 25KA Air Insulated Type Rising Mains for use on 3 phase 4 wire 415 V, 50Hz A.C. supply with enclosure having IP-54 rating after fixing the tap off boxes and all accessories, made of 1.6mm thick steel sheet duly powder coated in convenient sections complete with 4 Nos. aluminium bus bars having current density of 1Amp./ sq mm at nominal current rating, necessary joints &amp; expansion joints, fire barrier at each floor, provision of tapping at every meter, continuous earthing with 2 Nos. aluminium strip of suitable size (one on each side) including, G.I. clamping brackets, angle iron bracket, steel fasteners, connecting to earthing system etc. as required complete in all respects as approved and desired by the Engineer-in-charge at site. </p>	15.00	mtr.	6529.00	Rupees Six Thousand Five Hundred Twenty Nine Only	97935
21	<p> Supply, installation, testing &amp; commissioning of 200 Amp Main End Feed Unit Box (with provision of MCCB but without MCCB) on the existing Air Insulated rising mains for use on 3 phase 4 wire 415 V, 50Hz A.C supply with Flange End, Rotary Handel, box made with 1.6mm thick G.I sheet steel enclosure (IP54) duly powder coated complete in all respects as approved and desired by the Engineer-in-charge at site. </p>	1.00	Each	10492.00	Rupees Ten Thousand Four Hundred Ninety Two Only	10492
22	<p> Supply, installation, of Tap off box for with provision of MCCB Four Pole 63Amp. (Excluding MCCB Cost) complete in all respects as approved and desired by the Engineer-in-charge at site. </p>	12.00	Each	5850.00	Rupees Five Thousand Eight Hundred Fifty Only	70200
23	<p> MCCB's (MOULDED CASE CIRCUIT BREAKER):  Supply and erection of Moulded Case Circuit Breaker (Panel mounting Cubical type) in the existing Cubical Panel (confirm to IEC:60947-2) having Ics=100% Icu, 100% neutral with spreader terminal links, Extended rotary handle and relevant PWD general specifications complete with G.I. Bolts, Nuts &amp; Connection on both sides of MCCB with suitable size of thimbles etc:- </p>					

Signature of Tenderer with seal

Page No. 118.103

5  
XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount
				Figure	Words	
23.1	MCCB Four Pole 63amp., 415volts, ≥25kA Fixed Magnetic and Adjustable Thermal Setting	8.00	Each	8297.89	Rupees Eight Thousand Two Hundred Ninety Seven And Eighty Nine Paise Only	66393.12
23.2	MCCB Four Pole 200amp., 415volts, ≥25kA Fixed Magnetic and Adjustable Thermal Setting	1.00	Each	14980.77	Rupees Fourteen Thousand Nine Hundred Eighty And Seventy Seven Paise Only	14980.77
20	INDOOR LT PANELS: =[ESTIMATE GSS SCHOOL, BAJWARA.xlsx][Estimate/IC74 Busbars: The panel shall be provided with TPN aluminium busbar of suitable size according to the size of MCCB's. Busbar shall be of high conductivity (53% to 58%) E91-E Grade aluminium (145sq.mm). All Busbar will be air insulated with codified in Red, Yellow, Blue & Black as per standard for cable termination with the help of extended busbar only with proper adjustable cable supports. The main busbar would be supported upon non-hygroscopic SMC/DMC supports. Metering: The panel shall be completed with digital metering unit (with selector switches, voltmeter & ammeter) epoxy insulator, gasket, PVC sleeves, CT's & L.E.D. type indicator etc. Manufacturer of Panel should be CPRI Approved (Approval not older than 5 years) & ISO certified (Manufacturer workshop as per ISO 9001: 2015 standard) The Concerned contractor shall be approved the detailed drawing of panel with complete specification from the Engineer in charge at site. Detail of capacities of MCCB's to be installed in the cubical panel Enclosure (Excluding the cost of MCCB's) as per following:-					
20.1	MAIN LT PANEL: LT Panel enclosure having space for 1No. Incoming MCCB 250Amp. and 6Nos. outgoing MCCB's 40amp. to 125amp. according to the requirement at site (Approx. size 1300 x 1650 x 400mm) (DETAIL SEE IN PANEL INVENTORY)	1.00	Each	96259.30	Rupees Ninety Six Thousand Two Hundred Fifty Nine And Thirty Paise Only	96259.30

Signature of Tenderer with seal

Page No. 118.104



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT RS. P
				Figure	Words	
21	MCCB's (MOULDED CASE CIRCUIT BREAKER): Supply and erection of Moulded Case Circuit Breaker (Panel mounting Cubical type) in the existing Cubical Panel (confirm to IEC-60947-2) having Ics=100% Icu, 100% neutral with spreader terminal links, Extended rotary handle and relevant PWD general specifications complete with G.I. Bolts, Nuts & Connection on both sides of MCCB with suitable size of thimbles etc					
21.1	MCCB Four Pole 100amp., 415volts, ≥25kA Fixed Magnetic and Adjustable Thermal Setting	2.00 Each		8297.89	Rupees Eight Thousand Two Hundred Ninety Seven And Eighty Nine Paise Only	1 595.78
21.2	MCCB Four Pole 200amp., 415volts, ≥25kA Fixed Magnetic and Adjustable Thermal Setting	1.00 Each		14980.77	Rupees Fourteen Thousand Nine Hundred Eighty And Seventy Seven Paise Only	1 980.77
21.3	MCCB Four Pole 250amp., 415volts, ≥25kA Fixed Magnetic and Adjustable Thermal Setting	1.00 Each		16474.11	Rupees Sixteen Thousand Four Hundred Seventy Four And Eleven Paise Only	1 474.11
22	MINIATURE CIRCUIT BREAKERS: Supply and erection of Miniature Circuit Breaker MCB's for circuit protection against overload and short circuit current fault suitable for 240/415 volts 50cycles AC supply with breaking capacity of 10kA, Curve-C and low watt losses as per IS/IEC 60898-1, energy limitation class-3, true contact indication, label holder facility in the existing MCB distribution board as per PWD General Specifications including connections with suitable size of thimbles/lugs.-					
22.1	MCB Four Pole 40amp. (10kA, Curve-C)	6.00 Each		1701.93	Rupees One Thousand Seven Hundred One And Ninety Three Paise Only	1 211.58
23	ON LOAD CHANGEOVER SWITCH (Without Sheet Enclosure): Supply and erection of On Load Change over Switch with advance neutral UNIT (Panel mounting Cubical type) in the existing Cubical Panel Confirms to IS 13947 (Part-3) complete with G.I. Bolts, Nuts & Connections on both sides of switch with suitable size of thimbles as per PWD General Specifications:-					
23.1	On Load Change Over Switch Four Pole 250amp., 415volts	1.00 Each		16796.48	Rupees Sixteen Thousand Seven Hundred Ninety Six And Forty Eight Paise Only	1 796.48
	EARTHING SYSTEM (INDOOR):					

Signature of Tenderer with seal

Page No. 118.105





Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMOUNT Rs.
				Figure	Words	
20	COPPER EARTHING 8SWG :- Earthing with 8 SWG (4mm dia.) electrolytic copper wire thimble (1No. copper thimble with suitable size steel bolt, washers & double nut) with 30cm x 60cm x 2mm thick copper plate (made cylindrical) buried below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper wire run through 20mm dia. G.I. pipe (A-Class) recessed in wall and in floor etc. up to suitable Length in metre (including bore Length). G.I. pipe 20mm dia. (A-class) of suitable Length should be laid in the hole of excavation 1 foot below ground level and having GI Reducer 50mm x 20mm with PVC Cap (For pouring water) fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of First class bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm (Heavy) around the hole of excavation:-					
20.1	Earthing with 8 SWG (4mm dia.) copper wire thimble with 30cm x 60cm x 2mm thick copper plate buried 10.50 metre (34.44 feet) below ground level (up to 14metre in Length) with G.I. pipe 20mm dia. (A-class), 9metre long	2.00	Each	11144.34	Rupees Eleven Thousand One Hundred Forty Four And Thirty Four Paise Only	22288.68
21	Fixing additional Length of earthing with 8 S.W.G. (4mm dia.) copper wire in G.I. pipe with sockets, elbows, steel hooks and GI saddle clamps including painting etc.:-					
21.1	Additional Length copper wire 8 S.W.G. (4mm dia.) in 20mm dia. G.I. pipe (Flushed)	60.00	mt.	343.65	Rupees Three Hundred Forty Three And Sixty Five Paise Only	20619



Signature of Tenderer with seal

Page No. 118.106

Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
22	COPPER EARTHING :- (Upto 14 metre in Length):-Earthing with electrolytic Copper Tape riveted (with 5Nos. copper rivets)/Steel Nut & bolts (with 4Nos. 32mm long, 8mm thick with washer and double nut) to 30cm x 120cm x 2mm thick copper plate (made cylindrical) buried 10.50 metre (34.44 feet) below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the Copper Tape recessed in wall and in floor etc., up to 14metre in Length (including bore Length). G.I. pipe 20mm dia. (A-class) 9metre long should be laid in the hole of excavation 1 feet below ground level and having GI Reducer 50mm x 20mm with PVC Cap (For pouring water) fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of First class bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm (Heavy) around the hole of excavation.-					
22.1	Earthing with 20mm x 3mm Copper Tape (upto 14Metre in Length)	4.00	Each	22662.68	Rupees Twenty Two Thousand Six Hundred Sixty Two And Sixty Eight Paise Only	0650.72
23	COPPER EARTHING STRIP (As Additional Length): Fixing additional Length of earthing with Copper Tape (On Surface/Flushed) with petty material as required etc.:- Additional Length 20mm x 3mm thick Copper Tape .					
23.1		80.00	mtr.	628.62	Rupees Six Hundred Twenty Eight And Sixty Two Paise Only	50289.6
24	INDOOR LT CABLES, CABLE TRAY, DWC PIPE , BRASS GLANDS & THIMBLES. XLPE INSULATED UN-ARMoured CABLES (LOOSE):- Supply, laying and erection of aluminium conductor XLPE insulated PVC sheathed Un-armoured and served cable 1100 volts grade as per IS 7098 (Part-1)1988 to be laid loose in the existing trench or pipe as per PWD General Specifications. -					
24.1	Overall size 6sq.mm (2Core) Un-armoured (Loose)	300.00	mtr.	100.08	Rupees One Hundred And Eight Paise Only	30024
24.2	Overall size 16sq.mm (4 Core) Un-armoured (Loose)	100.00	mtr.	200.17	Rupees Two Hundred And Seventeen Paise Only	20017
24.3	Overall size 50sq.mm (3½ Core) Un-armoured (Loose)	140.00	mtr.	404.33	Rupees Four Hundred Four And Thirty Three Paise Only	56606.2

Signature of Tenderer with seal

Page No. 118.107

XEN



Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMO UNT R S. P
				Figure	Words	
24.4	Overall size 120sq.mm (3½ Core) Un-armoured (Loose)	100.00	mt.	914.17	Rupees Nine Hundred Fourteen And Seventeen Paise Only	91417
24.5	Overall size 150sq.mm (3½ Core) Un-armoured (Loose)	130.00	mt.	1086.74	Rupees One Thousand Eighty Six And Seventy Four Paise Only	1 1276.2
25	CABLE TRAY: Supply and erection of MS perforated cable tray (MS Sheet thickness 2mm) with DA gray paint on the existing surface with the help of MS angle iron support (to be painted with approved paint) of size 50mm x 50mm x 6mm thick to be fixed with fasteners/ nut & bolts etc. complete in all respect as desired by the Engineer-in-charge and as per PWD General Specifications:-					
25.1	Cable Tray Size 300mm x 50mm x 50mm (2mm thick)	10.00	mt.	1455.73	Rupees One Thousand Four Hundred Fifty Five And Seventy Three Paise Only	1 4557.3
26	DOUBLE WALLED CORRUGATED (DWC) HDPE PIPES: Supply and erection of Double Walled Corrugated (DWC) HDPE pipe to be laid 1/2mt. below ground level including excavation placing the pipe in position and back filling with excavated soil etc. of the required size:-					
26.1	Double walled corrugated (DWC) HDPE pipe 63/51 mm (outer/ inner dia.)	340.00	mt.	122.21	Rupees One Hundred Twenty Two And Twenty One Paise Only	1 1551.4
26.2	Double Walled Corrugated HDPE Pipe 90/76mm (Outer/ Inner dia.)	210.00	mt.	165.40	Rupees One Hundred Sixty Five And Forty Paise Only	34734
26.3	Double walled corrugated (DWC) HDPE pipe 120/103.50mm (outer/ inner dia.)	115.00	mt.	257.05	Rupees Two Hundred Fifty Seven And Five Paise Only	2 560.75
26.4	Double Walled Corrugated HDPE Pipe 160/ 136mm (Outer/ Inner dia.)	5.00	mt.	307.62	Rupees Three Hundred Seven And Sixty Two Paise Only	1 538.1
27	Supply and erection of heavy duty brass single compression gland for cable end termination duly complete with checknuts etc. including making necessary connections:-					
27.1	Brass Gland for Aluminium cable 2/3/4 Core size 6sq.mm	8.00	Each	77.12	Rupees Seventy Seven And Twelve Paise Only	6 16.96
27.2	Brass Gland for Aluminium cable 2/3/4 Core size 16sq.mm	4.00	Each	130.21	Rupees One Hundred Thirty And Twenty One Paise Only	520.84
27.3	Brass Gland for Aluminium cable 2/3/3½/4 Core size 50sq.mm	4.00	Each	179.52	Rupees One Hundred Seventy Nine And Fifty Two Paise Only	7 18.08

Signature of Tenderer with seal

Page No. 118.108

5  
XEN

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT IN RS. P
				Figure	Words	
27.4	Brass Gland for Aluminium cable 3/3 1/4 Core size 95-120sq.mm	4.00	Each	251.58	Rupees Two Hundred Fifty One And Fifty Eight Paise Only	1006.32
27.5	Brass Gland for Aluminium cable 3/3 1/4 Core size 150sq.mm	4.00	Each	283.29	Rupees Two Hundred Ninety Three And Twenty Nine Paise Only	1173.16
28	Supply and erection of heavy duty aluminium thimbles/lugs for cable end termination duly crimped including making necessary connections completely:-					
28.1	Aluminium thimble cable Core size 4 - 6sq.mm	30.00	Each	13.70	Rupees Thirteen And Seventy Paise Only	411
28.2	Aluminium thimble cable Core size 10 - 16sq.mm	10.00	Each	14.75	Rupees Fourteen And Seventy Five Paise Only	147.5
28.3	Aluminium thimble cable Core size 25 - 35sq.mm	10.00	Each	17.91	Rupees Seventeen And Ninety One Paise Only	179.1
28.4	Aluminium thimble cable Core size 50sq.mm	10.00	Each	28.44	Rupees Twenty Eight And Forty Four Paise Only	284.4
28.5	Aluminium thimble cable Core size 70sq.mm	10.00	Each	31.61	Rupees Thirty One And Sixty One Paise Only	316.1
28.6	Aluminium thimble cable Core size 120sq.mm	10.00	Each	36.87	Rupees Thirty Six And Eighty Seven Paise Only	368.7
28.7	Aluminium thimble cable Core size 150sq.mm	10.00	Each	54.78	Rupees Fifty Four And Seventy Eight Paise Only	547.8
29	Supply and erection of heavy duty Copper thimbles/lugs for cable end termination duly crimped including making necessary connections etc. completely:-					
29.1	Copper thimble cable Core size 4 - 6sq.mm	40.00	Each	21.81	Rupees Twenty One And Eighty One Paise Only	872.4
29.2	Copper thimble cable Core size 10 - 16sq.mm	120.00	Each	26.65	Rupees Twenty Six And Sixty Five Paise Only	3198
30	SAFETY EQUIPMENTS: Providing and fixing of 4.5 Kg. Capacity FIRE EXTINGUISHER, CO2 type as per IS:15683 complete with all accessories as per Manufacturers Specification. ISI Mark complete in all respect	10.00	Each	7150.19	Rupees Seven Thousand One Hundred Fifty And Nineteen Paise Only	71501.9
D2	Total D1: Providing Advance Lightning Protection System:					60 37352.77

Signature of Tenderer with seal

Page No. 118.109

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs.
				Figure	Words	
1	Supply, erection, testing & commissioning of Early Streamer Emission (ESE) type Lightning Protection Complete with Lightning Air Terminal. The System should be corrosion resistant stainless steel chrome body capable of working in hazardous atmosphere and protecting against direct Lightning point as well conducting /diverting it to earth completely after tracing the Lightning in advance. As per NF C 17-102:2011 the air terminal should be tested for Lightning impulse current (10/350 micro sec) =100 KA and for local certification the air terminal should be tested for switching impulse current of 40 KA (8/20 micro sec) as per CPRI with 5 positive and 5 negative impulse. The ESE Terminals shall offer a protection radius of 79mtr., Level-1 High Protection and preferably to be mounted on roof top and center of the building / blocks with the highly insulated polyplastic adaptor with the Mast. (Its working principle evolves from local electrostatic field that develops naturally around the system as a thunderstorm begins to gather. In the event of descending lightning, an inbuilt triggering device generates high tension pulses at the conductor tip, causing a 'corona effect'. Protection radius of 79Mtr at level 1 & 107 Mtr at level 4	1.00	Nos	87666.00	Rupees Eighty Seven Thousand Six Hundred Sixty Six Only	87666
2	Supply and fixing of GI Mast 5 mtr. height along with suitable base plate for mounting the terminal along with highly insulated adaptor to mount ESE Air Terminal with the Mast. The Adaptor shall have suitable Metal connector /Connecting point in such a way the top portion shall be electrically connected to the central tip of the ESE terminal and bottom portion connected to the down conducto, stray wires along with support shall be securely fixed with base plate and gauge wires where ever required.	1.00	Nos	11964.00	Rupees Eleven Thousand Nine Hundred Sixty Four Only	11964
3	Supply and installation of Lightning Strike Counter (6-7 digit display) of non-resettable (electromechanical) type which allows the automatic counting of the strikes received by the lightning protection system. This information is used to enhance lightning protection security & increase the effectiveness of inspection & maintenance procedures. It should be in IP-65 enclosure with minimum sensitivity of 1KA and maximum capacity 100KA. No external power source is required. It should be installed always 2 mtrs. above the ground level.	1.00	Nos	10794.00	Rupees Ten Thousand Seven Hundred Ninety Four Only	10794



Signature of Tenderer with seal

Page No. 118.110

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs. P
4	Supply & erection of test Link of non-corroding, weather proof, water proof polycarbonate IP 65/55 enclosure including providing of 2 Nos. of insulated supports with suitable holes pre-fitted nuts & bolts to fix the down conductor & earth wire. The transparent cover fitted at approximately 500-1000mm from ground level shall be provided on each down conductor complete in all respect as approved and desired by the Engineer in-charges at site.	1.00	Nos	2915.00	Rupees Two Thousand Nine Hundred Fifteen Only	2915
5	Supply, installation & testing of chemical earthing (Maintenance Free Earthing) system with UL approved copper bonded rod and exothermically welded copper busbar both tested by CPRI at 50kA Fault Current. A copper bonded steel rod shall have 3000 mm length and 17.2 mm dia. with copper coating thickness of minimum 250 microns. Along with earth enhancement compound tested by ROHS complying IEC 62561-7 in a sealed bag of minimum 50 kg (25 kg Bag x 2). A copper clad steel solid ground wire of 8 mm dia. for interconnecting earth pits. Each earth pit shall be covered with heavy duty weather proof environment friendly polyplastic earth pit chamber. The grounding minerals should not be pollute the ground water. The grounding minerals shall be tested & certified for the resistivity of less than 0.12 ohm-mtr.	1.00	Nos	11550.00	Rupees Eleven Thousand Five Hundred Fifty Only	11550
6	Cost of pole foundation with earth work in excavation in foundations trenches etc. 0.25 meter below ground level, Cement Concrete 1:4:8 with stone ballast, Reinforced cement concrete M-20, Cold twisted deformed (Ribbed/for Steel Bar) Bars Fe 500 grade as per IS 1786-2008 complete in all respect as desired by engineer in charge.	4.00	Nos	2848.82	Rupees Two Thousand Eight Hundred Forty Eight And Eighty Two Paise Only	11395.28
7	PVC INSULATED SINGLE CORE FR COPPER CONDUCTOR CABLE:- Supply and erection of PVC insulated FR single core Unsheathed copper conductor cable (ISI marked) suitable upto 1100 volts grade confirm to IS-694/1990 left bare in pipe or casing of suitable size complete in all respect as desired by the Engineer-in-charge:-					
7.1	Overall size 70sq mm (Un-sheathed) (Conductor connected the air terminal to earthing)	150.00	mtr.	1170.97	Rupees One Thousand One Hundred Seventy And Ninety Seven Paise Only	175645.5
D3	<b>Total D2:</b> Providing 1No. 13 Passenger, 4Stops Lift:					<b>311929.78</b>





Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs.	P
				Figure	Words		
1	<p>Supply, installation, testing and commissioning of 1 No. lift of 13 passengers machine room less.</p> <p>Type and Capacity : Approximately 884 Kg. 13 Passengers</p> <p>Speed: 1.0 Meter per second</p> <p>Type of drive: AC Variable Voltage Variable Frequency with 16-Bit Microprocessor.</p> <p>Motor: Permanent Magnet Gearless Machine to be hoisted on the top of guide rail within the elevator hoist way</p> <p>Travel: Approximately 11 meter</p> <p>Serving: 4 Floors 4 Stops 4 Openings 4 Levels (All on the same side)</p> <p>Hoist way Required: 2050mm (Wide) x 2500mm (Deep) Clear dimensions</p> <p>Headroom Height (HR): 5000 mm beyond finished floor level of last landing</p> <p>Pit Depth: 1500mm below the finish floor level of first landing</p> <p>Car Size Area: Minimum 2.06 square meter and Maximum 2.20 square meter</p> <p>Car Enclosure: Constructed out of stainless steel Scratch proof Finish (Vandal Proof) with Honeycomb finish.</p> <p>Car Entrance: Center Opening Automatic Doors with AVCF Drive (all landing doors must be fire-rated for a minimum of 120 minutes) of Stainless steel with Honey Comb / Hairline Finish with a clear opening of 900mm/1000mm (wide) x 2000mm/2100 mm (high)</p> <p>Door operation: Automatic DC Door operation with adjustable door opening and closing timings</p> <p>Control: Simplex full selective collective control with and without attendant</p> <p>Operation: Automatic</p> <p>Power Supply: 415 Volts, 3- phase, 50Hz Alternating Current</p> <p>Flooring: Floor Skid - Resistant as per standard</p> <p>Fan: Blower Fan in Car for ventilation with Auto cut off</p> <p>Lighting: LED for Car Lighting</p> <p>Indicators: LED Dot matrix / Digital 3 segment direction and position indicators in the car and at all landings</p> <p>Hand Rail: Stainless Steel round Hand rail not less than 600mm long at 900mm above floor level (Side LH Side RH &amp; Rear)</p> <p>Call Button Height: Call button (Outside the lift) placed at a height between 800mm-1meter from the floor level</p> <p>Control Panel Height: Control panel placed at a height between 800mm-1meter from the floor level</p> <p>Std. Govt. features.</p>						



Signature of Tenderer with seal

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT RS. P
	Other Features: 1. Battery operated emergency light with rechargeable battery 2. Battery operated emergency alarm with rechargeable battery 3. Adjustable Guide shoes 4. Micro movement LED based buttons 5. Door Open and Close buttons 6. Emergency Intercom provided inside the elevator 7. Emergency Intercom usable without the voice communication 8. Load weighing device with overload bypass feature and Overload function with Audio Visual Indication 9. Steel items, door frames sill angle's, fascia plates, spring buffers 10. Automatic phase reversal device and Phase Failure protection 11. Call registration 12. Audio & Video System installed in the lift indicating arrival at a floor 13. Manual Rescue System 14. Additional car gate lock 15. Automatic break testing infrared safety curtain 16. Braille Buttons (Inside and outside) with Braille instructions for the communication system 17. Kick plate/Skirting 18. Lift announcement system to announce floor level's in english language only and indication of door for entrance / exit is either Open or Close 19. Car Operating Panel 20. Car platform constructed out of cold rolled grain oriented formed sheets of steel 21. Phase two device fire man drive 22. Fire Man switch at main lobby 23. Car false ceiling in stainless steel 24. Pit ladder 25. Anti Nuisance car call protection 26. Door Nudging 27. Automated Rescue Device to bring the elevator to the nearest landing	1.00	job	2333100.00	Rupees Twenty Three Lakh Thirty Three Thousand One Hundred Only	2333100
2	XLPE INSULATED UN-ARMoured CABLES (LOOSE):- Supply, laying and erection of aluminium conductor XLPE insulated PVC sheathed Un-armoured and served cable 1100 volts grade as per IS 7098 (Part-1) 1988 to be laid loose in the existing trench or pipe as per PWD General Specifications:-					



Signature of Tenderer with seal



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMC	UNT
				Figure	Words		
2.1	Overall size 16sq.mm (4Core) Un-armoured (Loose)	50.00 mtr.		200.17	Rupees Two Hundred And Seventeen Paise Only		10008.5
3	XLPE INSULATED UN-ARMoured CABLES (ON SURFACE): Supply, laying and erection of aluminium conductor XLPE insulated PVC sheathed Un-armoured and served cable 1100 volts grade as per IS 7098 (Part-1)1988 to be laid (On Surface) as per PWD General Specifications -						
3.1	Overall size 16sq.mm (4Core) Un-armoured (On-Surface)	100.00 mtr.		230.19	Rupees Two Hundred Thirty And Nineteen Paise Only		23019
4	DOUBLE WALLED CORRUGATED (DWC) HDPE PIPES: Supply and erection of Double Walled Corrugated (DWC) HDPE pipe to be laid 1mtr. below ground level including excavation placing the pipe in position and back filling with excavated soil etc. of the required size:-						
4.1	Double walled corrugated (DWC) HDPE pipe 63/51 mm (outer/ inner dia.)	40.00 mtr.		155.92	Rupees One Hundred Fifty Five And Ninety Two Paise Only		6236.8
5	COPPER EARTHING (8 SWG COPPER EARTHING): Earthing with 8 SWG (4mm dia.) electrolytic copper wire thimble (1No. copper thimble with suitable size steel bolt, washers & double nut) with 30cm x 60cm x 2mm thick copper plate (made cylindrical) buried below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper wire run through 20mm dia. G.I. pipe (A-Class) recessed in wall and in floor etc., up to suitable Length in metre (including bore Length). G.I. pipe 20mm dia. (A-class) of suitable Length should be laid in the hole of excavation 1 feet below ground level and having GI Reducer 50mm x 20mm with PVC Cap (For pouring water) fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of First class bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm (Heavy) around the hole of excavation:-						
5.1	Earthing with 8 SWG (4mm dia.) copper wire thimble with 30cm x 60cm x 2mm thick copper plate buried 10.50 metre (34.44 feet) below ground level (up to 14metre in Length) with G.I. pipe 20mm dia. (A-class), 9metre long	2.00 Each		11144.34	Rupees Eleven Thousand One Hundred Forty Four And Thirty Four Paise Only		2288.68
5.2	Additional Length copper wire 8 S.W.G. (4mm dia.) in 20mm dia. G.I. pipe (On Surface)	80.00 mtr.		325.95	Rupees Three Hundred Twenty Five And Ninety Five Paise Only		26076

Signature of Tenderer with seal

Page No. 118.114



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs.	P
				Figure	Words		
6	MCCB's (MOULDED CASE CIRCUIT BREAKER): Supply and erection of Moulded Case Circuit Breaker (Panel mounting Cubicle type) in the existing Cubical Panel (conforms to IEC-60947-II) having Ics=100% Icu, 100% neutral with spreader links and relevant PWD General Specifications (Electrical Works) complete with G.I. Bolts, Nuts & Connection on both sides of MCCB with suitable size of Thimbles etc.						
6.1	MCCB Four Pole 40amp., 415volts, ≥25kA Fixed Magnetic and Adjustable Thermal Setting	1.00	Each	7100.06	Rupees Seven Thousand One Hundred And Six Paise Only	7100.06	
7	MS SHEET ENCLOSURE FOR MCCB's: Supply & Erection of indoor type MCCB enclosure of suitable size having provision for MCCB with extended rotary handle. The Enclosure shall be made from 14/16 SWG CRCA sheet, conforming to IS 8623/1977-82. The door should be double folded without edge and the gasket should be 'S' type puffed neutral rubber gasket for long life. The hinges of the door should be bolted type with double hole arrangement. The Enclosure door lock should be quick openable type spring loaded. There should not be any special tool or key to open the lock. The Enclosure will be wall mounting type having provision for cable entry from bottom/top with cable glands etc. The sheet metal is sprayed with corrosion resistant etch primer. The finishing treatment shall be applicable with air drying paint (7/9 tank Powder coated process should present in company premises) after necessary putty work:-						
7.1	MS Sheet Enclosure having provision for MCCB 40-160Amp with extended rotary handle (Approx. Size 500mm x 300mm x 200mm)	1.00	Each	3342.12	Rupees Three Thousand Three Hundred Forty Two And Twelve Paise Only	3342.12	

Signature of Tenderer with seal

Page No. 118.115





Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMO UNT R s. p
				Figure	Words	
8	SHEET METAL DOUBLE DOOR DISTRIBUTION BOARD FOR MCB/ RCBO/ RCCB's: Supply and erection of sheet metal Double Door Distribution Boards IP 43- IK09 metal door (dust protected) as per IS 8623-1&3. IEC 61439-1&3 suitable for flush mounting with fully insulated copper busbars, shrouded neutral bars, earth bars, cement spill protector, color-coded interconnecting wire set, cable ties, blanking plates and circuit identifications label and of required no. of ways for mounting miniature circuit breakers/ RCBO's/ RCCB's in the distribution board (For SP&N distribution board with provision DP MCB's/ RCCB's/ RCBO's as incomer and SP MCB's as outgoing and for TP&N horizontal distribution board with provision TPN/ FP MCB's/ RCCB's/ RCBO's as incomer and SP MCB's as outgoing) as per PWD General specifications including connections with suitable size of thimbles and bonding to existing earth etc:-					
8.1	SP&N Double Door Distribution Board 8 way each	1.00	Each	1416.27	Rupees One Thousand Four Hundred Sixteen And Twenty Seven Paise Only	1416.27
9	Supply and erection of sheet metal Cable End Box (Make is same as MCB Distribution Board) mounting on the top or bottom of the MCB Distribution Board (Either Horizontal or Vertical) to keep loose wires & cables as per PWD General specifications including petty materials etc as required:-					
9.1	Cable End Box for SPN 8 Way	1.00	Each	679.30	Rupees Six Hundred Seventy Nine And Thirty Paise Only	679.3
10	MINIATURE CIRCUIT BREAKERS: Supply and erection of Miniature Circuit Breaker MCB's for circuit protection against overload and short circuit current fault suitable for 240/ 415 volts 50cycles AC supply with breaking capacity of 10kA, Curve-C and low watt losses as per IS/IEC 60898-1, energy limitation class-3, true contact indication, label holder facility in the existing MCB distribution board as per PWD General Specifications including connections with suitable size of thimbles/lugs:-					
10.1	MCB Single Pole 6-32amp. (10KA, Curve-C)	6.00	Each	211.75	Rupees Two Hundred Eleven And Seventy Five Paise Only	1270.5

Signature of Tenderer with seal

Page No. 118.116

XEN

Sl. No.	Description of work	No.or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs.	P
10.2	MCB Double Pole 6-32amp. (10kA, Curve-C)	1.00	Each	644.74	Rupees Six Hundred Forty Four And Seventy Four Paise Only	644.74	.74
	<b>Total D3:</b>					2435181	.97
D4	<b>Providing Networking System along with allied accessories:</b>						
1	Supply, Installation and Commissioning of 16 Port Non PoE, unmanaged switch Features 10/100/1000Mbps Ports 16, ENCLOSURE metal, Bandwidth 48 Gbps, Buffer Memory 512 kb, Jumbo Frames 9,216 bytes, Forwarding Rate (using 64-byte packets) 1,448,000 pps, Latency (using 64-byte packets) < 4.7 µsec, MAC Address Table Size 8K, FORM FACTOR Desktop Wall-Mountable Rack-Mountable, Energy Efficient Ethernet (EEE) IEEE 802.3az yes, Auto Power Down yes, Short Cable Detection yes, Power Supply Internal (AC: 110-240V, 50-60Hz, 1.0A max), Power Consumption (Max and Standby) 11.1W / 8.47W, Heat Dissipation (Max and Standby) 37.96 BTU / 28.97, PORT LEDS Power, Link/Activity, PHYSICAL SPECIFICATIONS Width x Depth x Height 252 x 180 x 44 mm, Operating Temperature 0° to 40°C, Storage Temperature -20° to 70°C, Operating Humidity 90% maximum relative humidity, non-condensing, Storage Humidity 5% to 95% relative humidity, 802.3ab 1000BASE-T Gigabit Ethernet 802.3u 100BASE-TX Fast Ethernet 802.3i 10BASE-T Ethernet, 802.3x Flow Control 802.1p Priority QoS (all models) 802.1p Priority QoS and 802.3x Flow Control 802.1p Priority QoS (all models) 802.3 CSMA/CD 802.3az Energy Efficient Ethernet, complete in all respect as per satisfaction of the Engineer in charge of the work.	9.00	Nos	14896.00	Rupees Fourteen Thousand Eight Hundred Ninety Six Only	134164	
2	Supply, Installation and Commissioning of Patch Panel should be made of cold rolled steel.Should conform to TIA / EIA 568-C.2 Component Compliant.Should terminate 24 UTP CAT 6 (4 pair) Cables.Should confirm to EIA/TIA 568A wiring Pattern.Each port Should be features the spring-loaded shutter.Should be prevents incomplete mating Should be protects from dust and contaminants.Should be Front and rear port labelling as well as panel identification label.Should be Integral cable management shelf ensures bend radius compliance.Operating Life should be minimum 750 insertion cycles.Should be RoHS compliant.complete in all respect as per satisfaction of the Engineer in charge of the work.	6.00	Nos	10516.00	Rupees Ten Thousand Five Hundred Sixteen Only	63096	

Signature of Tenderer with seal

Page No. 118.117





Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		A. MOUNT Rs. P
				Figure	Words	
3	Supply, Installation and Commissioning of Patch Cord 1 Mtr Patch cord Should be 4 Pairs 24 AWG copper cables. The Outer Jacket should be Low Smoke Zero Halogen. 24 AWG stranded bare copper. Operating temperature range should be -20°C to 60°C. Should minimum comply with proposed ANSI/TIA/EIA-568-C.2. Should be verified by ETL (ETL certificate to be enclosed with the Bid) UL listed (UL certificate to be provided along with the Bid) Should Have cross separator. Standard length should be available 0.5M to 10M. Should be RoHS compliant. complete in all respect as per satisfaction of the Engineer in charge of the work.	120.00	Nos	235.00	Rupees Two Hundred Thirty Five Only	28200
4	Supply, Installation and Commissioning of 2 Mtr. Patch cord Should be 4 Pairs 24 AWG copper cables. The Outer Jacket should be Low Smoke Zero Halogen. 24 AWG stranded bare copper. Operating temperature range should be -20°C to 60°C. Should minimum comply with proposed ANSI/TIA/EIA-568-C.2. Should be verified by ETL (ETL certificate to be enclosed with the Bid) UL listed (UL certificate to be provided along with the Bid) Should Have cross separator. Standard length should be available 0.5M to 10M. Should be RoHS compliant complete in all respect as per satisfaction of the Engineer in charge of the work.	98.00	Nos	268.00	Rupees Two Hundred Sixty Eight Only	26264
5	Supply erection, testing & commissioning of Wall Mount 3U Rack, Front Glass Door (tinted, Toughened) with Lock & Key, 2 pairs of 19" Mounting Rails with U-Marking, Welded Side Walls With Metal Logo, 1U Cable Manager (1), Hardware Packet (1 Pkt), 6 Socket 5 Amp. Power Distribution Unit (1 No), Roof Mounted Fan Unit / 90 CFM / 230V AC (1 No) complete in all respects as approved and desired by the Engineer in-charge at site.	4.00	Nos	10067.00	Rupees Ten Thousand Sixty Seven Only	40268
6	Supply erection, testing & commissioning of Wall Mount 15U x 600 W x 600 D, Front Glass Door (tinted, Toughened) with Lock & Key, 2 pairs of 19" Mounting Rails with U-Marking, Welded Side Walls, Min Accessories : 1U Cable Manager (1), Hardware Packet (1 Pkt), 6 Socket 5 Amp. Power Distribution Unit (1 No), Roof Mounted Fan Unit / 90 CFM / 230V AC, as per DIN 41494 Standards. complete in all respects as approved and desired by the Engineer in-charge at site.	1.00	Nos	15050.00	Rupees Fifteen Thousand Fifty Only	15050



Signature of Tenderer with seal

Page No. 118.118

Sl. No.	Description of work	No.or Qty.	Unit	Figure	Estimated Rate Words	AMO R=	UNT P
7	Supply, installation, Testing & Commissioning of 1000VA LIT UPS/ Power Plant with SMF batteries having 30 Minutes backup time, Cold Start, 3 No. plug Indian style, Automatic Voltage Controller, Overload protection, Over charging Protection, 2 No. 12v 7Ah Batteries, Wide Input Range, Fan Less Cooling system, Transfer time less than 8ms, Audible Alarm etc. complete in all respects as approved and desired by the Engineer in-charge at site.	9.00 Nos		9917.00	Rupees Nine Thousand Nine Hundred Seventeen Only	88253	
8	RECESSED TV, TELEPHONE & NETWORKING SOCKETS OUTLET POINTS (USED FOR HGW, PVC CONDUIT & HDPE PIPE WIRING SYSTEM WITH MODULAR ACCESSORIES): Supply and erection of TV socket, Telephone socket and Networking socket points in powder coated/ anodized concealed metal boxes recessed in wall required for suitable number of modules (Modular accessories) for having TV sockets, Telephone sockets RJ11 & Networking socket RJ45 (one module) covered with Frame Plate and other petty material etc., including the cost of above material, cutting and filling up of chases (with finishing the surface):-						
8.1	Wiring Networking socket point RJ45 (one module)	98.00	Each	461.43	Rupees Four Hundred Sixty One And Forty Three Paise Only	4	5220.14
9	COPPER CONDUCTOR CABLES FOR SPECIAL ELECTRICAL SERVICES: Supply and erection of CAT 6 with 23AWG solid bare copper conductor, special grade PE insulation with star separator, 4pair Unshielded Twisted Pair (UTP) industrial cable, FR PVC sheathed, Class-E, 250 MHz of bandwidth, supporting data transfer speeds of up to 10 Gbps (10GBASE-T) for distances up to approximately 180 feet, cables are manufactured and tested to meet the ANSI/TIA 568-C.2 and ISO/IEC 11801 Class E standards left bare in pipe or casing of suitable size complete in all respect as desired by the Engineer-in-charge:-						
9.1	CAT 6 LAN cable	2000.00	mtr.	45.30	Rupees Forty Five And Thirty Paise Only		90600

Signature of Tenderer with seal

Page No. 118.119



Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
10	PVC, HDPE PIPES & PVC FLEXIBLE PIPES: Supply & erection of PVC Conduit Pipes (ISI marked) as per IS9537:Part-III & HDPE pipes (ISI marked) as per IS-4984:1995 for wiring purposes including bends, junction boxes, Steel hooks, M.S. saddle clamps and other petty materials etc., as per PWD General Specifications.-					
10.1	Heavy gauge PVC conduit pipe 25mm dia. (ISI marked) Flushed	1600.00	mtlr.	70.80	Rupees Seventy And Eighty Paise Only	11 3280
	Total D4:					645295.14
D5	Providing, Installation & Commissioning of CCTV Surveillance:					

Signature of Tenderer with seal

Page No. 118.120

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate	AMOUNT Rs. P
1	Supply, erection, testing & commissioning of BMP IP Network TDN Low-Light IR Fixed Lens Dome Camera, 12.8" CMOS or better, 5MP (2592 x 1944) @ 25fps or better, triple stream at various resolution & Frame Rates, Min. Illumination required 0.007 lux (color), 0 Lux IR On, 2 IR LEDs, Smart IR with upto 40m IR distance, Auto ICR (Infrared Cut Filter) 120dB True WDR, SN Ratio 50db, IR Light Control- Smart IR (Auto/Manual)/OFF, R Light Number-2 or better, Day/Night- Auto (ICR) / Color / BW, Backlight Compensation WDR, BLC, HLC, Gain Control 0-100% or better, Lens 2.8 mm, Fixed Iris F2.0, Angle Of View- H 93° V 68° or better Shutter Speed 1/8 - 1/30,000, Advantace Video Compression technology such as H.265, H.264 & MJPEG, Fixed Lens 2.8mm, 30NIR, White Balance - Auto/Manual, Video Compression H.265 HEVC/H.264/MJPEG, Smart Codec or better, Resolution 1st: 2592 x 1944 / 2592 x 1520 / 1920 x 1080 / 1280 x 720 2nd: 704 x 576 (PAL) / 704 x 480 (NTSC) / 640 x 480 / 352 x 288 (PAL) / 352 x 240 (NTSC) 3rd: 1920 x 1080 (MAX 12fps) / 640 x 480 / 352 x 288 (PAL) / 352 x 240 (NTSC) / 320 x 240, Number of Video Streams 3 (2 for encryption), Frame Rate MAX 30 fps, Bit Rate 100K-12 Mbps G.711/A.G.711/J Audio compression, 2-Way, Full duplex Audio stream, Audio Interface Line In/Out, IPv4, IPv6, TCP / IP, HTTP, HTTPS, RTSP / RTP / RTCP, IGMP / Multicast, SMTP, DHCP, NTP, DNS, DoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS, User account and password protection, HTTPS, IP Filter, Digest authentication, TLS1.2 only, Stream encryption, AES128 / 256, SSH / Telnet closed, PCI-Data security standard compliance, Minimum Edge Intelligence Video Analytics : Video Motion Detection, Tampering, Loitering, Intrusion, & People Counting, 4 Privacy Mask, 8 Region Of Interest, Defog, HTTPS, IP Filter, TLS1.2, AES-128/256, SSH/Telnet closed, Stream Encryption, 2-Way Audio Full Duplex Line In/Out, 256GB SD card support, Pan Range 0°-330° or better, Tilt Range 0°-75° , Rotation Range 0°-337° Alarm: 1In/1Out, DC12V, PoE (IEEE 802.3af) (Class 0), Relative Humidity Less than 90 %, non-condensing, Max SW, IP 65/67 & IK10 with Die Cast Aluminium Housing, Maximum Users Access 10 or better, Having Operating temp range : -40°C to 60° C, Certifications: ONVIF Profile S, G, T, M   T profile must have secure streaming and can be verified from onvif website) and STOC Compliant UL, CE, FCC, EN, RoHS & NDA Section 869 compliant, The product warranty is five years against any manufacturing defect and submitted / certified on OEM letter head along with MAF complete in all respect as per satisfaction of the Engineer in charge of the work.	20.00	Nos	23635.00	Rupees Twenty Three Thousand Six Hundred Thirty Five Only	472700



Signature of Tenderer with seal

Page No. 118.121



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMO R s. P	UNT
2	Supply, erection, testing & commissioning of 32 Channel NVR/server (Network Video Recorder) Embedded Linux/windows based for recording upto 32CH with 04 nos. SATA HDDs minimum 40TB storage or more (recording requirement all cameras recording at D1, 25fps for 30 days), H.265 HEVC/H.264/MJPEG codec decoding, Front Panel with LEDs Indication for Power & HDDs Status, 3 nos. USB, ONVIF S, Time Sync with NTP, Encrypted Streaming & Control, 2-Way Audio Line & Out, PTZ Operation Pan, Tilt, Zoom, Support, Pre & Post Alarm Recording Support, Recording/Evidence Clip Export to USB, 16 Channel Synchronous Playback, Playback control i.e Play, Pause, Stop, Fast Forward, Backward, Speed Control, Timeline & Zoom; Snapshot, Web Client, Central Monitoring Software, iPhone, iPad, Android based Mobile clients, 02HDMI & 01VGA Output, 04 On Board HDDs each up to 10TB, Alarm input 16 nos. and Alarm Output 4 nos, 320 Mbps throughput, NDAA Section 889 Compliant, Operating Temperature -10°C to 55°C, Certification : Certifications: ONVIF compliant, UL, CE, FCC, EN, NDAA & RoHS compliant, Including fixing accessories and cable termination with required connectors/Jack, complete in all respect as per instruction of engineer in-charge. The product warranty is five years against any manufacturing defect and submitted / certified on OEM letter head along with MAF complete in all respects as approved and desired by the Engineer-in-charge at site.	1.00	Nos	72268.00	Rupees Seventy Two Thousand Two Hundred Sixty Eight Only	72268	



Signature of Tenderer with seal

Page No. 118.122

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	Amount Rs. P
3	Supply, erection, testing & commissioning of Switch 8 x 10/100/1000BASE-T PoE Ports, 2 x SFP ports & RJ-45 console port, 802.3at PoE+ & 802.3at PoE power 130W, IEEE 802.3i 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab, IEEE 802.3az, IEEE 802.3x, IEEE 802.3z, 20 Gbps Switching Capacity & Packet Forwarding Rate 14 Mpps, 8K MAC address, DRAM Size DDR3 128MB, Flash Memory Size 32MB, Fanless Design, CPU Speed 500MHz, Packet Buffer Size 4.1Mbits, Operating & Storage Temperature -5 to 50 °C & -40 to 70 °C, Operating & Storage Humidity 10% to 90% & 5% to 90%, Loopback detections, IGMP Snooping v1, v2 & MLD snooping v1/v2, IEEE 802.1AB LLDP & LLDP-MED, IEEE 802.3az (EEE), 4K VLAN ID's, Min 256 static VLAN, Multicast VLAN & Auto Voice & Video VLAN, Port Mirroring 1 x to one/Many to One, 802.1p Quality of Service (QoS), SPQ, WRR, Bandwidth Control, Static routing for inter-VLAN Communication, Access Control List (ACL), L2 & L3 ACL (IPv4 & IPv6), Broadcast/Multicast Storm Control, Traffic segmentation, TLS, DoS attack prevention, 802.1X Port-based Access Control, Port Security, ARP Spoofing Prevention, DHCP Server Screening, IP-MAC-Port Binding, ARP Inspection, DHCP Snooping, 802.1X Authentication local/RADIUS database (IPv4 & IPv6), port-based access control, EAP, OTP, TLS, TTLS, PEAP & Support MD5 authentication, features Cable diagnostics, IPv4 & IPv6 Inspection, SSH v2 feature, 802.3x Flow Control & HOL Blocking Prevention, Management thru Web-based & CLI, SNMP v1/v2/v3, NTP/NTTP, IPv4/v6 Dual Stack, Dual image, Dual configuration, Product Should Approved from TEC under Mandatory Testing & Certification of Telecom Equipment as notified vide Indian Telegraph (Amendment) Rules, 2017. CE, FCC, UL, IEC/EN 60950 & IPv6 Ready compliance, OEM Certification for ISO 45001, ISO 9001, ISO 14001, & ISO 14064-1, IEC 62443-4-1 complete in all respects as approved and desired by the Engineer-in-charge at site.	3.00 Nos		38729.00	Rupees Thirty Eight Thousand Seven Hundred Twenty Nine Only	116187
4	Supply, erection, testing & commissioning of HDD Formatted capacity 6 TB, Data transfer rate (max) Buffer to host Host to/from drive (sustained) 6 Gb/s 171 MB/s, Cache (MB) 64, Rotational speed (RPM) IntelliPower, Load/unload cycles 300,000, Non-recoverable read errors per bits read <1 in 1014, Operating (2 ms, read/write) 30, Operating (2 ms, read) 65, Non-operating (2 ms) 250, Average power requirements (W) Read/Write 5.90, Idle 4.90, Standby and Sleep 0.40 complete in all respects as approved and desired by the Engineer in-charge at site.	2.00 Nos		14366.00	Rupees Fourteen Thousand Three Hundred Sixty Six Only	28732



Signature of Tenderer with seal

Page No. 118.123



Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs.	P
5	Supply, erection, testing & commissioning of Smart 55" LED Commercial Panel /Regular with 2 HDMI Port, TV Input, 3 Years Warranty, 2 HDMI Port, TV Input, 3 Years Warranty, Resolution 4K, Brightness 300 cd/m2 Support 4K Ultra HD 20 Watt 2.0 Audio Output Web Browser Soft AP, WiFi (bandwidth) Screen Share (Miracast) Samsung TV Plus App USB Cloning, 2 No. Of HDMI Port, 2 no USB Port complete in all respects as approved and desired by the Engineer-in-charge at site.	1.00	Nos	58392.00	Rupees Fifty Eight Thousand Three Hundred Ninety Two Only	5	8392
6	Supply, Installation, Testing & Commissioning of 6 Mtr HDMI Cable for NVR, UL Listed complete in all respects as approved and desired by the Engineer in-charge at site.	1.00	Nos	2204.00	Rupees Two Thousand Two Hundred Four Only	2	2204
7	Supply, Installation, Testing and Commissioning of Wall Mount 9U Rack, Front Glass Door (tinted, Toughened) with Lock & Key, 2 pairs of 19" Mounting Rails with U-Marking, Welded Side Walls With Metal Logo, 1U Cable Manager (1), Hardware Packet (1 Pkt), 6 Socket 5 Amp. Power Distribution Unit (1 No), Roof Mounted Fan Unit / 90 CFM / 230V AC (1 No) complete in all respect as per satisfaction of the Engineer in charge of the work.	3.00	Nos	8805.00	Rupees Eight Thousand Eight Hundred Five Only	2	6415
8	Supply, Installation, Testing & Commissioning of 1000VA LIT UPS/ Power Plant with SMF batteries having 30 Minutes backup time, Cold Start, 3 No. plug Indian style, Automatic Voltage Controller, Overload protection Over charging Protection, 2 No. 12v 7Ah Batteries, Wide Input Range, Fan Less Cooling system, Transfer time less than 8ms, Audible Alarm etc. complete in all respects as approved and desired by the Engineer in-charge at site.	3.00	Nos	9917.00	Rupees Nine Thousand Nine Hundred Seventeen Only	2	9751
9	COPPER CONDUCTOR CABLES FOR SPECIAL ELECTRICAL SERVICES: Supply and erection of CAT 6 with 23AWG solid bare copper conductor, special grade PE insulation with star separator, 4pair Unshielded Twisted Pair (UTP) industrial cable, FR PVC sheathed, Class-E, 250 MHz of bandwidth, supporting data transfer speeds of up to 10 Gbps (10GBASE-T) for distances up to approximately 180 feet, cables are manufactured and tested to meet the ANSI/TIA 568-C.2 and ISO/IEC 11801 Class E standards left bare in pipe or casing of suitable size complete in all respect as desired by the Engineer-in-charge:-						

Signature of Tenderer with seal

Page No. 118.124

EXEN

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs.
				Figure	Words	
9.1	CAT 6 LAN cable	650.00 mtr.		45.30	Rupees Forty Five And Thirty Paise Only	29445
10	PVC, HDPE PIPES & PVC FLEXIBLE PIPES: Supply & erection of PVC Conduit Pipes (ISI marked) as per IS9537: Part-III & HDPE pipes (ISI marked) as per IS-4984: 1995 for wiring purposes including bands, junction boxes, Steel hooks, M.S. saddle clamps and other petty materials etc., as per PWD General Specifications:-					
10.1	Heavy gauge PVC conduit pipe 25mm dia. (ISI marked) Flushed	550.00 mtr.		70.80	Rupees Seventy And Eighty Paise Only	38940
	<b>Total D5:</b>					875034
D6	<b>Providing Manually operated Fire Alarm, Addressable Emergency Evacuation System including Exit Signage:</b>					
1	Supply, installation, testing & Commissioning of Conventional 2 Zone Fire Alarm Control Panel Fully confirms IS 2189 with 2 Nos. of 12V, 7Ah batteries and with built in charger, LCD display and LED indication for zone wise Fire, Open, Short, Zone Isolation Mains on Battery Low, Fuse blown, AC-Fail The enclosure of should be fire proof and constructed by CRCA sheet with powder coated finish. The 20mm knock out are given for cable entry at the top of the cabinet complete in all respects as approved and desired by the Engineer in-charge at site.	1.00 nos.		25680.00	Rupees Twenty Five Thousand Six Hundred Eighty Only	25680
2	Supply, installation, testing & Commissioning of Red Conventional Call Point with LED Resistor 470 OHM Flush Mounting Flexi Element complete in all respects as approved and desired by the Engineer in-charge at site, complete in all respects as approved and desired by the Engineer in-charge at site.	15.00 nos.		1966.00	Rupees One Thousand Nine Hundred Sixty Six Only	29490
3	Supply, installation, testing & Commissioning of High Intensity Hooter Red Mini Horn Red U/L certified India complete in all respects as approved and desired by the Engineer in-charge at site.	17.00 nos.		2085.00	Rupees Two Thousand Eighty Five Only	35445
4	Supply, installation, testing & Commissioning of Fire Exit Self Glow Radium Board 8"x4" complete in all respects as approved and desired by the Engineer in-charge at site.	18.00 nos.		2038.00	Rupees Two Thousand Thirty Eight Only	36684
5	PVC INSULATED SINGLE CORE FR COPPER CONDUCTOR CABLE: Supply and erection of PVC insulated FR single core Unsheathed copper conductor cable (ISI marked) suitable upto 1100 volts grade confirm to IS:694/1990 left bare in pipe or casing of suitable size complete in all respect as desired by the Engineer-in-charge:-					



Signature of Tenderer with seal

Page No. 118.125



Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
5.1	Overall size 1.5sq mm (Un-sheathed)	1200.00	mtr.	30.34	Rupees Thirty And Thirty Four Paise Only	36408
6	HEAVY GAUGE WELDED CONDUIT PIPES: Supply & erection of Heavy gauge welded conduit pipe (ISI marked) as per IS:9537:Part-II for wiring purposes including bends, junction boxes, Steel hooks, GI saddle clamps and other petty materials etc., where necessary including painting as per PWD General Specifications:-					
6.1	Heavy gauge welded conduit pipe 25mm dia. (ISI marked 1.60mm thick) Flushed	500.00	mtr.	140.91	Rupees One Hundred Forty And Ninety One Paise Only	70455
5	Providing PA System: Supply, installation, testing & Commissioning of Mic Single zone desktop paging microphone with a sturdy, aluminium die-cast top and special high reliability switches with integrated LED indicators. Fitted with a flexible 300mm (12") gooseneck and a high quality unidirectional dynamic cartridge. Supplied with 6 mtrs. twin core shielded low noise cable with 6.3mm (1/4") phone plug. Frequency response 50-10000 Hz. Sensitivity 2.0mV/Pa. Impedance 600 ohm complete in all respects as approved and desired by the Engineer in-charge at site.	2.00	Nos	6286.00	Rupees Six Thousand Two Hundred Eighty Six Only	12572
6	Supply, installation, testing & Commissioning of 500W Power mixer amplifier POWER OUTPUT 750W Max., 500W RMS at 10% THD. 450W RMS at 5% THD, 415W RMS at 2% THD, OUTPUT REGULATION $\leq 2$ dB, no load to full load at 1kHz, INPUT CHANNELS $7 \times \text{Mic } 0.8\text{mV}/4.7\text{k}\Omega$ , $2 \times \text{Aux } 100\text{mV}/470\text{k}\Omega$ , $1 \times \text{CD } 200\text{mV}/50\text{k}\Omega$ , $1 \times \text{Line } 1\text{V}/50\text{k}\Omega$ . FREQUENCY RESPONSE 50-15,000Hz $\pm 3\text{dB}$ . SIGNAL TO NOISE RATIO 60dB, TONE CONTROLS Bass: $\pm 10\text{dB}$ at 100Hz, Treble: $\pm 10\text{dB}$ at 10kHz. OUTPUT Preamp 200mV/600 $\Omega$ , Line 1V/1k $\Omega$ , SPEAKER OUTPUT 4 $\Omega$ , 8 $\Omega$ , 70V & 100V, DIGITAL PLAYER MP3 Player with USB, SD and MMC Card Reader, Bluetooth. POWER SUPPLY AC: 220-240V 50/60Hz, DC: 36V (3x12V Car Battery), POWER CONSUMPTION AC: 1000VA DC: 8A, complete in all respects as approved and desired by the Engineer in-charge at site.	2.00	Nos	68462.00	Rupees Sixty Eight Thousand Four Hundred Sixty Two Only	136924



Signature of Tenderer with seal

Page No. 118.126

Sl. No.	Description of work	No.or Qty.	Unit	Figure	Estimated Rate Words	AMOUNT Rs. P
7	Supply, installation, testing & Commissioning of 20 Watt Full range wall speakers radiate forward sound beam for wider audience coverage Mounting clamps & hardware supplied Slim, compact, aesthetically designed column speaker to integrate with most interiors. Aluminium extruded cabinet with moulded plastic covers, metal mesh grille. 100V line matching transformer with rotary switch for power tap selection. Input Power 20W RMS, 30W Max. Power Taps 20/15/10/5W Voltage 100V Frequency Response 150-15,000Hz SPL at 1kHz 93dB/1W/1m Speakers complete in all respects as approved and desired by the Engineer in-charge at site.	41.00	Nos	6786.00	Rupees Six Thousand Seven Hundred Eighty Six Only	278226
8	Supply, Installation, Testing & Commissioning of 2 core 1.5 sqmm shielded cable for speaker Project specific OEM authorization required for executing agency. complete in all respect as per satisfaction of the Engineer in charge of the work.	1250.00	mitr.	160.00	Rupees One Hundred Sixty Only	200000
9	Supply, Installation, Testing & Commissioning of 1000VA LIT UPS/ Power Plant with SMF batteries having 30 Minutes backup time, Cold Start, 3 No. plug Indian style, Automatic Voltage Controller, Overload protection, Over charging Protection, 2 No. 12v 7Ah Batteries, Wide Input Range, Fan Less Cooling system, Transfer time less than 8ms, Audible Alarm etc. complete in all respects as approved and desired by the Engineer in-charge at site.	2.00	Nos	9917.00	Rupees Nine Thousand Nine Hundred Seventeen Only	19834
10	PVC, HDPE PIPES & PVC FLEXIBLE PIPES: Supply & erection of PVC Conduit Pipes (ISI marked) as per IS9537:Part-III & HDPE pipes (ISI marked) as per IS:4984:1985 for wiring purposes including bends, junction boxes, Steel hooks, M.S. saddle clamps and other petty materials etc., as per PWD General Specifications:-					
10.1	Heavy gauge PVC conduit pipe 25mm dia. (ISI marked) Flushed	1150.00	mitr.	70.80	Rupees Seventy And Eighty Paise Only	81420
D7	Total D6:					963138
	Providing 1No. 82.5KVA Silent Diesel Generating Set:					

Signature of Tenderer with seal

Page No. 118.127

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT
				Figure	Words	
1	<p>Supply, Erection, Testing and Commissioning of Silent (Sound Proof) Diesel Generator Set 82.5 KVA /68KW with Manual Control Panel. It should be air cooled/water cooled naturally aspirated/ turbo charged/ turbo charged after cool (As per manufacturer standard).</p> <p>ENGINE: The Diesel engine developing 101.3 BHP (Approx.) for giving a power rating as per ISO 8528- Part-1 ( With C-PCB-IV Norms as amended upto date) in KVA at the load terminals of alternator at 1500 rpm at actual site conditions. The engine shall conform to IS 10000/ ISO 3046/ BS: 649/ BS 5514 amended up to date have dynamically balanced Fly wheel, air cleaner (dry/ oil bath type) as per manufacturer standard. A mechanical/ electronic governor of TYPE A1 AND A2 to maintain engine speed at all conditions of load, daily fuel service tank of minimum 8 hours running capacity as per manufacturer standard. Dry exhaust manifold with suitable exhaust residential grade silencer to reduce the noise level.suitable self-starter for 12 V/ 24 V DC. battery charging alternator unit and voltage regulator. Lubrication oil cooler.Lubrication oil filters with replaceable elements.</p> <p>ENGINE CONTROL PANEL: Engine control panel fitted and having digital display i.e Start/stop key switch/push button, Battery charging indication,Engine Hours indications, Over speed indication, High water temperature indication, Lubricant oil pressure indication, RPM indication and MCCB (Fixed Thermal and Adjustable Thermal protection) of suitable rating for outgoing supply.</p> <p>ALTERNATOR: The alternator should be designed as per (IS4722 and IEC-34 ) standard. Rated Power Factor : 0.8 (lag). Rated voltage : 230/415 volt, SPDP (Screen Protected Drip Proof), Degree of protection: IP-23, Ventilation : Self ventilated air cooled Alternator should have 40 degree maximum class H insulation.</p> <p>Automatic voltage regulator unit should be provided as per standard practice of manufacturer. Its voltage dip shall not exceed more than 20% of the rated voltage at any step load or transient load as per ISO 8528 (Part-1). Its efficiency at full load 0.8 power factor, 10% overload one hour in every 12 hrs of continuous use.</p>					



Signature of Tenderer with seal

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate Words	Amount Rs. P
	ACOUSTIC ENCLOSURE: The enclosure shall be fabricated out of the CRCA sheet of thickness not less than 1.6 mm on the outside cover with inside cover having not less than 0.6 mm thick perforated powder coated CRCA sheet. It should be IP54 Suitable for outdoor installation exposed to weather conditions, noise level up to 75 dB (A). All sheet metal parts should be processed through 7-lank pre treatment process and batteries accommodated in the battery rack. The acoustic lining should be made up of high quality insulation material i.e. Rockwool / glass/ mineral wool / PU foam of appropriate thickness & density for sound absorption. The inside of enclosure should be provided with at least one no. 28 W-15 fluorescent tube light/ LED 10Watt luminaries controlled by a 5A switch for adequate lighting during servicing etc. with 2 year warranty from the date of installation. complete in all respect as desired by engineer at site.-The Generator set should be installed at site on the suitable size existing plinth of RCC as per specification DG set as per satisfaction of the Engineer- in-Charge at site. The model of engine will be decided by the Engineer in Charge. MANUAL CONTROL PANEL: Manual control panel shall be fabricated out of 1.6 mm sheet steel, totally enclosed, dust, damp and vermin proof well mounted/ free standing floor mounted type with IP-53 degree of protection & front operated. composite meter for digital display, HRC fuses of suitable rating. MCCB (Fixed Thermal and Adjustable Thermal protection)/ ACB (Over current/ overload, shortcircuit, instantaneous, earth fault protection) should be used. Battery charger complete with voltage regulator, Voltmeter and Ammeter for charging the battery from external mains. This will be in addition to the battery charging alternator or dynamo fitted on the engine. All the components in the control panel shall be properly mounted, duly wired and labeled. Suitable terminals are to be provided for panel incoming and outgoing connections. System operation facility provided shall afford the following operational requirements. Necessary instruments and accessories such as voltmeter, power factor meter, KW meter, KWH meter, Ammeter, Frequency meter, battery charger complete in all respect as desired by engineer at site:-	1.00	No.	1306383.00	Rupees Thirteen Lakh Six Thousand Three Hundred Eighty Three Only	1306383
	INDOOR LT CABLES, CABLE TRAY & DMC PIPE:					





Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs.	P
				Figure	Words		
2	XLPE INSULATED UN-ARMoured CABLES (LOOSE):- Supply, laying and erection of aluminium conductor XLPE insulated PVC sheathed Un-armoured and served cable 1100 volts grade as per IS 7098 (Part-1)1988 to be laid loose in the existing trench or pipe as per PWD General Specifications:-						
2.1	Overall size 95sq. mm (3½ Core) Un-armoured (Loose)	150.00	mtr.	706.69	Rupees Seven Hundred Six And Sixty Nine Paise Only	10800	3.5
3	DOUBLE WALLED CORRUGATED (DWC) HDPE PIPES: Supply and erection of Double Walled Corrugated (DWC) HDPE pipe to be laid 1mtr. below ground level including excavation placing the pipe in position and back filling with excavated soil etc. of the required size:-						
3.1	Double Walled Corrugated HDPE Pipe 90/76mm (Outer/ Inner dia.)	130.00	mtr.	199.11	Rupees One Hundred Ninety Nine And Eleven Paise Only	2588	1.3
4	CABLE TRAY: Supply and erection of MS perforated cable tray (MS Sheet thickness 2mm) with DA gray paint on the existing surface with the help of MS angle iron support (to be painted with approved paint) of size 50mm x 50mm x 6mm thick to be fixed with fasteners/ nut & bolts etc., complete in all respect as desired by the Engineer-in-charge and as per PWD General Specifications:-						
4.1	Cable Tray Size 300mm x 50mm x 50mm (2mm thick)	10.00	mtr.	1455.73	Rupees One Thousand Four Hundred Fifty Five And Seventy Three Paise Only	1455	7.3
5	Supply and erection of heavy duty brass single compression gland for cable end termination duly complete with checknuts etc. including making necessary connections:-						
5.1	Brass Gland for Aluminium cable 3/3½/4 Core size 95-120sq. mm	4.00	Each	251.58	Rupees Two Hundred Fifty One And Fifty Eight Paise Only	1006	32
6	Supply and erection of heavy duty aluminium thimbles/lugs for cable end termination duly crimped including making necessary connections completely:-						

Signature of Tenderer with seal

Page No. 118.130

XEN

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
6.1	Aluminium thimble cable Core size 50sq. mm	6.00	Each	28.44	Rupees Twenty Eight And Forty Four Paise Only	170.64
6.2	Aluminium thimble cable Core size 95sq. mm	10.00	Each	36.87	Rupees Thirty Six And Eighty Seven Paise Only	368.7
7	COPPER EARTHING COPPER EARTHING (Upto 14 metre in Length):- iii- Earthing with electrolytic Copper Tape rivetted (with 5Nos. copper rivets)/Steel Nut & bolts (with 4Nos. 32mm long, 8mm thick with washer and double nut) to 30cm x 120cm x 2mm thick copper plate (made cylindrical) buried 10.50 metre (34.44 feet) below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the Copper Tape recessed in wall and in floor etc., up to 14metre in Length (including bore Length). G.I. pipe 20mm dia. (A-class), 9metre long should be laid in the hole of excavation 1 feet below ground level and having GI Reducer 50mm x 20mm with PVC Cap (For pouring water) fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of First class bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm (Heavy) around the hole of excavation:- (Body earthing & Neutral Earthing)					
7.1	Earthing with 20mm x 3mm Copper Tape (upto 14Metre in Length)	4.00	Each	22662.68	Rupees Twenty Two Thousand Six Hundred Sixty Two And Sixty Eight Paise Only	90650.72
7.2	Additional Length 20mm x 3mm thick Copper Tape	60.00	mtr	628.62	Rupees Six Hundred Twenty Eight And Sixty Two Paise Only	37717.2
	<b>Total D7:</b>					<b>1582741.68</b>
D8	<b>Providing Flood Lighting:</b>					
1	PVC INSULATED SINGLE CORE FR COPPER CONDUCTOR CABLE: Supply and erection of PVC-insulated FR-single core Unsheathed copper conductor cable (ISI marked) suitable upto 1100 volts grade conform to IS-694/1990 left bare in pipe or casing of suitable size complete in all respect as desired by the Engineer-in-charge:- Overall size 1.5sq mm (Un-sheathed)					
1.1		80.00	mtr	30.34	Rupees Thirty And Thirty Four Paise Only	2427.2
2	XLPE INSULATED UN-ARMoured CABLES (ON SURFACE): Supply, laying and erection of aluminium conductor XLPE insulated PVC sheathed Un-armoured and served cable 1100 volts grade as per IS 7098 (Part-1)1988 to be laid (On Surface) as per PWD General Specifications.- (For Flood Lights)					

Signature of Tenderer with seal

Page No. 118.131

XEN



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
6	GALVANIZED IRON PIPES AND G.I. EARTHING: Earthing with G.I. wire/ rope in G.I. pipe partly recessed and partly on surface complete with 150cm long 50mm dia. G.I. earth pipe (Cutting threads and 36 Nos. holes, 1cm dia. to make a mesh around the GI Pipe) with G.I. reducing socket including erection of the same, 4.50 metre (14.76 feet) below ground level with 20Kg. charcoal & salt mixture etc., up to 8 metre in length (including boring & refilling). (For Cubical Pedestal)					
6.1	Earthing with 8 S.W.G. (4mm dia.) G.I. wire in 15mm dia G.I. pipe with G.I. reducing socket 50mm x 15mm (upto 8Metre in length)	2.00	nos	3315.89	Rupees Three Thousand Three Hundred Fifteen And Eighty Nine Paise Only	6 631.78
6.2	Additional length G.I. wire 8 S.W.G. (4mm dia.) in 15mm dia. G.I. pipe (On Surface)	10.00	mtr.	184.36	Rupees One Hundred Eighty Four And Thirty Six Paise Only	1 843.6
7	Supply and erection of heavy duty brass single compression gland for cable end termination duly complete with checknuts etc. including making necessary connections:-					
7.1	Brass Gland for Aluminium cable 2/3/4 Core size 10sq.mm	24.00	Each	104.93	Rupees One Hundred Four And Ninety Three Paise Only	2 518.32
8	Supply and erection of heavy duty aluminium thimbles/lugs for cable end termination duly crimped including making necessary connections completely:-					
8.1	Aluminium thimble cable Core size 10 - 16sq.mm	60.00	Each	14.75	Rupees Fourteen And Seventy Five Paise Only	8 85.00

Signature of Tenderer with seal

Page No. 118.133

XEN  
2

Sl. No.	Description of work	No. or Qty.	Unit	Figure	Estimated Rate		Amount Rs.
					Words		
9	SHEET METAL CUBICAL PEDESTAL, TOWER STRUCTURES, HT & LT LINE ITEMS, MS CHANNELS, BRASS GLANDS, ALUMINIUM & COPPER THIMBLES: CUBICAL PEDESTAL: Supply and erection of Sheet metal cubical pedestal made from 50mmx50mmx6mm thick MS angle iron frame with 5 sides welded & covered with MS sheet 2mm thick & front side hinged with 4" hinges & locking system with single/ double door openable placed on MS strip of size 12.5mm x 2.5mm thick welded with MS sheet, 4Nos. legs of 50mmx50mmx6mm thick MS angle iron each of 600mm long with MS sheet 100mmx100mmx6mm thick at the bottom end of the legs. Front door welded x-sectionally with MS flat 25mmx5mm. The front side with MS sheet each 75mm wide & a bend of 75mm width outwards & inwards on all sides with tapered top 200mm high and pedestal with 4 Nos. supporting members each of MS flat 50mmx6mm thick according to cubical size duly welded & complete pedestal to be painted with 1 coat of red oxide & 2 coats of paint & bordering to the existing earth. The Pedestal platform should be filled with 1:2:4 cement concrete mixture. The Pedestal platform should be from the top of the cement concrete platform. The job is to be completed as approved by Engineer-in-charge:-	1.00	No	17953.96	Rupees Seventeen Thousand Nine Hundred Fifty Three And Ninety Six Paise Only		17953.96
9.1	Cubical Size 1200mm high, 900mm wide and 350mm deep with platform dimensions 1000mm x 450mm x 450mm						
10	MS SHEET ENCLOSURE FOR MCCB's: Supply & Erection of indoor type MCCB enclosure of suitable size having provision for MCCB with extended rotary handle. The Enclosure shall be made from 14/16 SWG CRCA sheet, conforming to IS 8623/1977-82. The door should be double folded without edge and the gasket should be 'S' type puffed neutral rubber gasket for long life. The hinges of the door should be bolted type with double hole arrangement. The Enclosure door lock should be quick operable type spring loaded. There should not be any special tool or key to open the lock. The Enclosure will be wall mounting type having provision for cable entry from bottom/top with cable glands etc. The sheet metal is sprayed with corrosion resistant etch primer. The finishing treatment shall be applicable with air drying paint (7/9 tank Powder coated process should present in company pemiss) after necessary putty work:-						

Signature of Tenderer with seal

Page No. 118, 134

XEN



Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
10.1	MS Sheet Enclosure having provision for MCCB 40-160Amp. with extended rotary handle (Approx. Size 500mm x 300mm x 200mm)	1.00	Each	3342.12	Rupees Three Thousand Three Hundred Forty Two And Twelve Paise Only	3342.12
11	MCCB's (MOULDED CASE CIRCUIT BREAKER): Supply and erection of Moulded Case Circuit Breaker (Panel mounting Cubical type) in the existing Cubical Panel (confirm to IEC:60947-2) having Ics=100% Icu, 100% neutral with spreader links and relevant PWD general specifications complete with G.I. Bolts, Nuts & Connection on both sides of MCCB with suitable size of thimbles etc:- MCCB Four Pole 40amp., 415volts, ≥25kA Fixed Magnetic and Adjustable Thermal Setting					
11.1	TIMER:- Supply and erection of Switch S/E of Microprocessor Based Street Light Controller with digital time switch daily programmed with stand by lithium battery with back up of 6 years with min. time between 2 switching operations is 1 minute, three pole power contactors 40A, with coil voltage 220-230V AC with 1 no. aux. contact NO, MCB 2 pole 40amp. (C-Curve, 10kA) & power wiring with single core PVC insulated FR cable 10 sq. mm and control wiring with PVC insulated FR cable 1 sq. mm, 1 no. two position selector switch to bypass timer and other accessories & petty material (din rail, 4 pole bakelite terminal strip 63A/ 440V AC, required nut bolts) should be fixed on bakelite sheet 6mm thick to be mounted in a IP54 surface/ flush mounting powder coated sheet metal (1.60mm thick) cabinet having size 450mm x 600mm x 150mm to switch 'ON' all the 3 phases & switch 'OFF' 3 phases pre-fixed timings complete in all respect as per satisfaction of Engineer-in-charge:-	1.00	Each	7100.06	Rupees Seven Thousand One Hundred And Six Paise Only	7100.06
12.1	Street Light Controller (For Three Single Phase Circuits) with 3 Nos. Three Pole Power Contactors 40A, 1 no. aux. contactor 6 amp. (2NO+2NC) with coil voltage 220V AC, 3 Nos. MCB 2 Pole 40amp. (C-Curve, 10kA) & petty material (Din rail, 2 Nos. 4 pole bakelite terminal strip 63A/ 440V AC, required nut bolts)	1.00	No	15361.08	Rupees Fifteen Thousand Three Hundred Sixty One And Eight Paise Only	15361.08



Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
13	Supply and erection of LED Flood Light 120 watt, AC supply voltage 140-270 volts, 50Hz $\pm$ 3% (including BIS Certified potted single driver with screen or laser printing logo LED driver) with pressure die cast or extruded aluminium housing with control gear (IP 66 protection), THD<10%, CRI minimum 70, High power LED (with wattage 1 to 5 watt) with mandatory secondary lenses, toughened glass fitting, 4 KV SPD within driver and 10KV external SPD, Min IK07, efficacy of LED fixture minimum 120 lumens per watt, 5 year warranty including their drivers complete in all respects as approved and desired by the Engineer in-charge at site. LED Fittings as per specifications approved by Hon'ble Technical Advisor to Punjab Govt. vide Letter ION No: AT/2021/GL/1410-1422 Dated: 06.05.2021. Besides this the lighting fixtures manufacturers should have in house NABL accredited lab.	11.00	Nos	5058.00	Rupees Five Thousand Fifty Eight Only	55638.00
<b>Total D8:</b>						218965.09



Signature of Tenderer with seal







## SECTION 10

### SECURITIES AND OTHER FORMS

[The Forms given here are of Specimens. These shall be devised judiciously keeping in view the nature of work and type of Contract]





[Page left blank intentionally]

**BID SECURITY (BANK GUARANTEE)**

WHEREAS \_\_\_\_\_ [name of Bidder] (hereinafter called "the Bidder") has submitted his Bid dated \_\_\_\_\_ [date] for the construction of \_\_\_\_\_ [name of Contract] hereinafter called "the Bid";

KNOW ALL PEOPLE by these presents that We \_\_\_\_\_ [name of Bank] of \_\_\_\_\_ [name of country] having our registered office at \_\_\_\_\_ (hereinafter called "the Bank") are bound unto \_\_\_\_\_ [name of Employer] (hereinafter called "the Employer") in the sum of \_\_\_\_\_ \* for which payment well and truly to be made to the said Employer the Bank itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

THE CONDITIONS of this obligation are:

- (1) If after Bid opening the Bidder withdraws his bid during the period of Bid validity specified in the Form of Bid;
- OR
- (2) If the Bidder having been notified to the acceptance of his bid by the Employer during the period of Bid validity:
- (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or
  - (b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Bidders; or
  - (c) does not accept the correction of the Bid Price pursuant to Clause 26.

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will not that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred condition or conditions.

The Guarantee will remain in force upto and including the date \_\_\_\_\_ \*\* day after the deadline for submission of Bids as such dead line is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extensions(s) to the Bank is hereby waived. Any demand in respect of this guarantee should reach the Bank not later than the above date.

Date \_\_\_\_\_ Signature \_\_\_\_\_

Witness \_\_\_\_\_ Seal \_\_\_\_\_

\_\_\_\_\_  
(Signature, name and address).

\* The Bidder should insert the amount of the guarantee in words and figures denominated in Indian Rupees. This figure should be the same as shown in Clause 16.1 of the Instructions to Bidders.

\*\* 45 days after the end of the validity period of the Bid. Date should be inserted by the Employer before the Bidding documents are issued.





## PERFORMANCE BANK GUARANTEE

To,

\_\_\_\_\_  
-(Name of the Employer)  
(address of the employer)

WHEREAS \_\_\_\_\_ (name and address of Contractor) (hereinafter called "The Contractor") has undertaken an pursuance of Contract No \_\_\_\_\_ dated \_\_\_\_\_ to execute \_\_\_\_\_ (name of Contract and brief description of works) (hereinafter called "the Contract")

AND WHEREAS it has been stipulated by you in the said contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the obligation in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee. NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, up to a total of \_\_\_\_\_ (amount of guarantee) \_\_\_\_\_ (in words) such sum being payable in the types and proportions of currencies in which the Contract Price is payable. And we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of \_\_\_\_\_ (amounts of guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the works to be performed there under or of any of the contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

That guarantee shall be valid until 28 days from the date of expiry of the Defect Liability period.

Signature and seal of the Guarantor \_\_\_\_\_

Name of Bank \_\_\_\_\_

Address \_\_\_\_\_

Dated \_\_\_\_\_

**INDENTURE FOR SECURED ADVANCES****FORM 31**

(For use in cases in which the contract is for finished work and the Contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time)

This indenture made the \_\_\_\_ day of \_\_\_\_, 20\_\_ BETWEEN \_\_\_\_ (hereinafter called the Contractor which expression shall where the context so admits or implies be deemed to include his executors, administrators and assigns) or the one part and Employer of the other part.

Whereas by an agreement dated \_\_\_\_ (hereinafter called the said agreement) the Contractor has agreed.

AND WHEREAS the Contractor has applied to the Employer that he may be allowed advanced on the security of materials absolutely belonging to him and brought by him to the site of the works the subject of the said agreement for use in the construction of such of the works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charges).

AND WHEREAS the Employer has agreed to advance to the Contractor the sum of Rupees on the security of materials the quantities and other particulars of which are detailed in Accounts of Secured Advances attached to the Running Account bill for the said works signed by the Contractor on and the Employer has reserved to himself the option of making any further advance or advances on the security of other materials brought by the Contractor to the site of the said work.

NOW THIS INDENTURE WITNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees \_\_\_\_ on or before the execution of these presents paid to the Contractor by the Employer (the receipt where of the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as a for said the Contractor doth hereby covenant and agree with the President and declare as follows:

- (1) That the said sum of Rupees \_\_\_\_ so advanced by the Employer to the Contractor as aforesaid and all or any further sum of sums advanced as aforesaid shall be employed by the Contractor in or towards expending the execution of the said works and for no other purpose whatsoever.
- (2) That the materials details in the said Account of Secured Advances which have been offered to and accepted by the Employer as security are absolutely the Contractor's own propriety and free from encumbrances of any kind and the Contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the Contractor indemnified the Employer against all claims to any materials in respect of which an advances has be made to him as aforesaid.
- (3) That the materials detailed in the said account of Secured Advances and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereafter called the said materials) shall be used by the Contractor solely in the execution of the said work in accordance with the directions of the Engineer.
- (4) That the Contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protection against all risks of the said materials and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and on his own responsibility and shall at all times be open to inspection by the Engineer or any officer authorized by him.  
In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use



and wear thereof the Contractor will forthwith replace the same with other materials of like quality or repair and make good the same required by the Engineer.

- (5) That the said materials shall not be any account be removed from the site of the said works except with the written permission of the Engineer or an officer authorized by him on that behalf.
- (6) That the advances shall be repayable in full when or before the Contractor receives payment from the Employer of the price payable to him for the said works under the terms and provisions of the said agreement. Provided that if any intermediate payments are made to the Contractor on account of work done than on the occasion of each such payment the Employer will be a liberty to make a recovery from the Contractor's bill for such payment by deducting there from the value of the said materials than actually used in the construction and in respect of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.
- (7) That if the Contractor shall at any time make any default in the performance or observance in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing of the Employer shall immediately on the happening of such default be repayable by the Contractor to be the Employer together with interest thereon at twelve per cent per annum from the date or respective dates of such advance or advances to the date of repayment and with all costs, charges, damages and expenses incurred by the Employer in or for the recovery thereof or the enforcement of this security or otherwise by reason of the default of the Contractor and the Contractor hereby covenants and agrees with the Employer to reply and pay the same respectively to him accordingly.
- (8) That the Contractor hereby charges all the said materials with the repayment to the Employer of the said sum of Rupees \_\_\_\_\_ and any further sum of sums advanced as aforesaid and all costs, charges, damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the power contained therein if and whenever the covenant for payment and repayment here-in- before contained shall become enforceable and the money owing shall not be paid in accordance there with the Employer may at any time thereafter adopt all or any of the following courses as he may deem best:
  - a. Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion and the amount due to the Contractor with the value of work done as if he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor, he is to pay same to the Employer on demand.
  - b. Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable or payable to the Employer under these presents and pay over the surplus (if any) to the Contractor.
  - c. Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.
- (9) That except in the event of such default on the part of the Contractor as aforesaid interest on the said advance shall not be payable.



- (10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been here-in-before expressly provided for the same shall be referred to the Employer whose decision shall be final and the provision of the Indian Arbitration Act for the time being in force shall apply to any such reference.





LETTER OF ACCEPTANCE

\_\_\_\_ (Date)

To,

\_\_\_\_ (name and address of the Contractor)

Dear Sirs,

This is to notify that your bid dated ..... for execution of the ..... Name of the contract and identification number as given in the instructions to the bidders) for the contract price of Rupees ..... (.....) (amount in words and figures) as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our agency.

You are hereby requested to furnish performance security, in the form detailed in Para 30.1 of ITB for an amount equivalent to Rs. .... within 21 days of this letter of acceptance valid upto 28 days from the date of expiry of the defect liability period i.e. upto and sign the contract failing which action as stated in Para 30.3 of ITB will be taken.

Yours Faithfully,

Authorized Signature  
Name & title of Signatory  
Name of agency

Delete "corrected and or" and modified "if only one of these actions applies". Delete as corrected and modified in accordance with the Instructions to Bidders. If corrections or modifications have not been affected.

**AGREEMENT FORM****AGREEMENT**

This agreement made the \_\_\_\_\_ day of \_\_\_\_\_ between \_\_\_\_\_ (name and address of Employer) (hereinafter called "the Employer") and (Name and address of Contractor) hereinafter called "the Contractor" or the other part.

Whereas, the Employer is desirous that the Contractor execute \_\_\_\_\_ (hereinafter called "the works") and the Employer has accepted the bid by the Contractor for the execution and completion of such works and the remedying of any defects therein, at a cost of Rs .....

**NOW THIS AGREEMENT WITHES SETH as follows:**

1. In this agreement, works and expression shall have the same meanings as are respectively assigned to them in the conditions of contract (hereinafter referred to and they shall be deemed to form and be read and construed as part of this agreement.
2. In consideration of the payments to be made by the employer to the contractor as hereinafter mentioned, the Contractor hereby covenants with the employer to execute and complete the works and remedy and defects therein in conformity in all aspects with the provisions of the contract.
3. The employer hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying the defects wherein contract price or such other sum as may become payable under the provisos of the contract at the times and in the manner prescribed by the contract.
4. The following documents shall be deemed to form and be ready and construed as part of this agreement Viz.
  - a) Letter of acceptance
  - b) Notice to proceed with the works.
  - c) Condition of contract: General and Conditions of Particular Applications
  - d) Contract Data
  - e) Additional Conditions
  - f) Drawings
  - g) Bill of quantities
  - h) Contractor's bid and
  - i) Any other documents listed in the contract data as forming part of the contract:

In witnessed whereof the parties there to have caused this agreement to be executed the day and year first before written.

The common seal of \_\_\_\_\_ was hereunto affixed in the presence of:

Signed, sealed and delivered by the said \_\_\_\_\_

in the presence of:

Binding signature of the authorized representative Employer \_\_\_\_\_

Binding Signature of Contractor \_\_\_\_\_

Government of Punjab, Public Works Department, Buildings & Roads Branch.





**UNDERTAKING**

I, the undersigned do hereby undertake that our firm M/S .....  
..... agree to abide by  
this bid for a period.....days for the date fixed for receiving the same and it shall be  
binding on us and may be accepted at any time before the expiration of that period.

(Signed by the Authorized Person of the Firm)

(Title of the Person)



## **SECTION 11**

### **DRAWINGS, SITE INVESTIGATION DATA & OTHER TECHNICAL PLANS**





[Page left blank intentionally]



## SECTION 12

### DOCUMENTS TO BE FURNISHED BY BIDDER





[Page left blank intentionally]

GOVERNMENT OF PUNJAB  
DEPARTMENT OF PUBLIC WORKS  
(B&R-3 BRANCH)



To

1. Engineer-in-Chief, Punjab PWD (B&R) Branch, Patiala/Chandigarh.
2. All Chief Engineers, Public Works (B&R) Branch, Patiala/Chandigarh.

No. E-967555/508-509.

Date: 12/12/2025.

**Subject:** Amendment of Clause 25 – Dispute Resolution Mechanism in the General Conditions of the Contract of SBD – Abolition of Arbitration as a Dispute Resolution Mechanism


**Reference:** E-Office File No. E-324408 PRBD-W045/4/2025-Admin

In reference to the proposal received through the Minutes of Meeting dated 22.08.2025 and with the concurrence of all Chief Engineers of PWD (B&R), Punjab, Advisor (Tech) to the Government of Punjab, Legal Remembrancer and Legal Retainer, approval is hereby accorded to amend the General Conditions of the Contract, Clause 25 – Dispute Resolution Mechanism (GCC of SBD). The existing Clause 25 - Dispute Resolution Mechanism in the SBD shall be replaced by:

*Clause 25 – Any disputes arising between the parties to this agreement/contract shall fall under the exclusive jurisdiction of the courts at the place where the agreement is executed.*

Accordingly, all references to arbitration as a mode of dispute resolution in the SBD shall be replaced with Civil Court jurisdiction.

This letter is issued with the approval of the Competent Authority.

  
Ravi Bhagat, IAS

Secretary to Govt. of Punjab

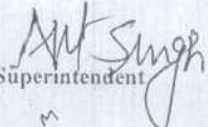
Department of Public Works (B&R)

Endst. No. E-967555/510-513.

Dated 12/12/2025

A Copy of the above is forwarded to the following for information and further necessary action:

1. OSD to Chief Secretary for kind information of Chief Secretary to Govt. of Punjab please.
2. All Superintending Engineers, Punjab PWD (B&R) Branch.
3. All Executive Engineers, Punjab PWD (B&R) Branch.
4. Deputy Director (IT), PRBDB for updation on related websites.

  
Superintendent