

NAME OF PROJECT : CONSTRUCTION AND ALLIED WORKS FOR KAUSHALYA – THE SKILL UNIVERSITY (KSU)

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
CIVIL & PLUMBING WORK						
1	34500.00	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials (C) By mechanical means in area of light jungle	0.00	0	Smt	0.00
2	15525.00	Earthwork incutting including preparing the slope and camber and stacking or utilising the cuttings tuffinbank as directed upto 200Meters from the end of cutting with all lead and lift.(i) Hard murrum.	0.00	0	Cumt.	0.00
3	15992.00	Filling in plinth with murrum or selected soil in layers of 20 cm. thickness including watering, ramming and consolidating upto optimum moisture content level. etc. Complete.	0.00	0	Cumt.	0.00
4	19218.00	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff including shoring, strutting and dewatering of any kind of soil upto any lead and lift. (a) Hard Soil	0.00	0	Cumt.	0.00
5	15187.00	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff including shoring, strutting and dewatering of any kind of soil upto any lead and lift. (a) Hard Soil	0.00	0	Cumt.	0.00
6	7805.00	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff including shoring, strutting and dewatering of any kind of soil upto any lead and lift. (a) Hard Soil	0.00	0	Cumt.	0.00
7	42449.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each deposited layer by ramming and watering upto optimum moisture content level.	0.00	0	Cumt.	0.00
8	5096.00	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing etc. complete	0.00	0	Cumt.	0.00
9	1790.00	Provdg. & laying cement concrete 1:2:4 (1cement:2 corse sand :4 hand broken stone aggregate 20 mm nominal size) and curing complete excluding cost of form work in (A) Foundation and plinth	0.00	0	Cumt.	0.00
10	2283.00	Providing and laying cement concrete 1:3:6 (1- Cement : 3- Coarse sand : 6- Graded brick bat aggregate 40mm normal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	0.00	0	Cumt.	0.00
11	11487.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456): (A) Footing	0.00	0	Cumt.	0.00
12	946.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456): (A) Footing	0.00	0	Cumt.	0.00
13	591.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456): (C) Plinth Beam	0.00	0	Cumt.	0.00
14	795.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456): (C) Plinth Beam	0.00	0	Cumt.	0.00
15	1758.00	Providing and laying in position Ready Mixed concrete mix M-20 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456): Grade Slab	0.00	0	Cmt	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
16	280.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456: (B) Column (i) up to plinth level	0.00	0	Cumt.	0.00
17	694.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) Column (ii) up to Ground Floor slab level	0.00	0	Cumt.	0.00
18	499.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (B) Column (iii) First Floor	0.00	0	Cumt.	0.00
19	499.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (B) Column (iv) Second Floor	0.00	0	Cumt.	0.00
20	499.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (B) Column (v) Third Floor	0.00	0	Cumt.	0.00
21	499.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) Column (vi) Fourth Floor	0.00	0	Cumt.	0.00
22	499.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) Column (vii) Fifth Floor	0.00	0	Cumt.	0.00
23	429.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) Column (vii)Sixth Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
24	404.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) Column (vii)Seventh Floor	0.00	0	Cumt.	0.00
25	404.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) Column (vii)Eighth Floor	0.00	0	Cumt.	0.00
26	404.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) Column (vii)Ninth Floor	0.00	0	Cumt.	0.00
27	108.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) Column (vii)Tenth Floor	0.00	0	Cumt.	0.00
28	112.89	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456: (B) Column (i) up to plinth level	0.00	0	Cumt.	0.00
29	183.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) Column (ii) up to Ground Floor slab level	0.00	0	Cumt.	0.00
30	47.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (B) Column (iii) First Floor	0.00	0	Cumt.	0.00
31	45.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (D) Column (iv) Second Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
32	45.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (D) Column (v) Third Floor	0.00	0	Cumt.	0.00
33	45.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (D) Column (vi) Fourth Floor	0.00	0	Cumt.	0.00
34	45.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (D) Column (vii) Fifth Floor	0.00	0	Cumt.	0.00
35	45.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (D) Column (viii) Sixth Floor	0.00	0	Cumt.	0.00
36	45.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (D) Column (ix) Seventh Floor	0.00	0	Cumt.	0.00
37	45.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (D) Column (x)Eighth Floor	0.00	0	Cumt.	0.00
38	45.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (D) Column (xi)Ninth Floor	0.00	0	Cumt.	0.00
39	21.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (D) Column (xi) tenth floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
40	186.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (i) up to Ground Floor slab level	0.00	0	Cumt.	0.00
41	72.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (ii) First Floor	0.00	0	Cumt.	0.00
42	72.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (iii) Second Floor	0.00	0	Cumt.	0.00
43	72.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (iv) Third Floor	0.00	0	Cumt.	0.00
44	72.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (iv) Fourth Floor	0.00	0	Cumt.	0.00
45	74.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (iv) Fifth Floor	0.00	0	Cumt.	0.00
46	55.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (iv) Sixth Floor	0.00	0	Cumt.	0.00
47	43.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (iv) Seventh Floor	0.00	0	Cumt.	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
48	43.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (iv) Eighth Floor	0.00	0	Cumt.	0.00
49	43.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (iv) Ninth Floor	0.00	0	Cumt.	0.00
50	18.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (iv) Tenth Floor	0.00	0	Cumt.	0.00
51	318.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (D) RCC Wall (i) up to Ground Floor slab level	0.00	0	Cumt.	0.00
52	9.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) RCC Wall (ii) First Floor	0.00	0	Cumt.	0.00
53	9.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) RCC Wall (iii) Second Floor	0.00	0	Cumt.	0.00
54	9.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) RCC Wall (iv) Third Floor	0.00	0	Cumt.	0.00
55	9.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) RCC Wall (iv) Fourth Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
56	9.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) RCC Wall (v) Fifth Floor	0.00	0	Cumt.	0.00
57	9.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) RCC Wall (vi) Sixth Floor	0.00	0	Cumt.	0.00
58	9.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) RCC Wall (vii) Seventh Floor	0.00	0	Cumt.	0.00
59	9.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) RCC Wall (viii) Eighth Floor	0.00	0	Cumt.	0.00
60	9.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) RCC Wall (ix) Ninth Floor	0.00	0	Cumt.	0.00
61	18.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (B) RCC Wall (x) Tenth Floor	0.00	0	Cumt.	0.00
62	1777.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (E) Floor Beam (i) Ground Floor	0.00	0	Cumt.	0.00
63	1570.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Floor Beam (ii) First Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
64	1570.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) : (C) RCC Floor Beam (iii) Second Floor	0.00	0	Cumt.	0.00
65	1570.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Floor Beam (iv) Third Floor	0.00	0	Cumt.	0.00
66	1570.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) : (C) RCC Floor Beam (v) Fourth Floor	0.00	0	Cumt.	0.00
67	1570.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) : (C) RCC Floor Beam (v) Fifth Floor	0.00	0	Cumt.	0.00
68	1407.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) : (C) RCC Floor Beam (v) Sixth Floor	0.00	0	Cumt.	0.00
69	1393.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) : (C) RCC Floor Beam (v) Seventh Floor	0.00	0	Cumt.	0.00
70	1161.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) : (C) RCC Floor Beam (v) Eighth Floor	0.00	0	Cumt.	0.00
71	1161.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) : (C) RCC Floor Beam (v) Ninth Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
72	57.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Floor Beam (v) Tenth Floor	0.00	0	Cumt.	0.00
73	89.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (E) Floor Beam (i) Ground Floor	0.00	0	Cumt.	0.00
74	76.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) Floor Beam (ii) First Floor	0.00	0	Cumt.	0.00
75	66.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) Floor Beam (iii) Second Floor	0.00	0	Cumt.	0.00
76	66.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) Floor Beam (iv) Third Floor	0.00	0	Cumt.	0.00
77	66.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) Floor Beam (v) Fourth Floor	0.00	0	Cumt.	0.00
78	66.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) Floor Beam (vi) Fifth Floor	0.00	0	Cumt.	0.00
79	66.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) Floor Beam (vii) Sixth Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
80	66.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) Floor Beam (viii) Seventh Floor	0.00	0	Cumt.	0.00
81	66.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) Floor Beam (ix) Eighth Floor	0.00	0	Cumt.	0.00
82	66.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) Floor Beam (x) Ninth Floor	0.00	0	Cumt.	0.00
83	33.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) Floor Beam (xi) Tenth Floor	0.00	0	Cumt.	0.00
84	216.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Lintel (i) For Ground Floor	0.00	0	Cumt.	0.00
85	183.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Lintel (i) For First Floor	0.00	0	Cumt.	0.00
86	195.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Lintel (i) For Second Floor	0.00	0	Cumt.	0.00
87	166.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Lintel (i) For Third Floor	0.00	0	Cumt.	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
88	169.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Lintel (i) For Fourth Floor	0.00	0	Cumt.	0.00
89	161.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Lintel (i) For Fifth Floor	0.00	0	Cumt.	0.00
90	134.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Lintel (i) For Sixth Floor	0.00	0	Cumt.	0.00
91	117.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Lintel (i) For Seventh Floor	0.00	0	Cumt.	0.00
92	117.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Lintel (i) For Eighth Floor	0.00	0	Cumt.	0.00
93	117.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Lintel (i) For Ninth Floor	0.00	0	Cumt.	0.00
94	47.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Lintel (i) For Tenth Floor	0.00	0	Cumt.	0.00
95	84.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Weathershed (i) up to Ground Floor slab level	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
96	76.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Weathershed i) First Floor	0.00	0	Cumt.	0.00
97	76.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Weathershed i) Second Floor	0.00	0	Cumt.	0.00
98	76.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Weathershed i) Third Floor	0.00	0	Cumt.	0.00
99	76.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Weathershed i) fourth Floor	0.00	0	Cumt.	0.00
100	92.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Weathershed i) Fifth Floor	0.00	0	Cumt.	0.00
101	64.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Weathershed i) Sixth Floor	0.00	0	Cumt.	0.00
102	59.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Weathershed i) Seventh Floor	0.00	0	Cumt.	0.00
103	59.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Weathershed i) Eighth Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
104	59.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Weathershed i) Ninth Floor	0.00	0	Cumt.	0.00
105	12.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Weathershed i) Tenth Floor	0.00	0	Cumt.	0.00
106	761.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) Ground Floor slab level	0.00	0	Cumt.	0.00
107	681.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) First Floor	0.00	0	Cumt.	0.00
108	657.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) Second Floor	0.00	0	Cumt.	0.00
109	657.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Slab i) Third Floor	0.00	0	Cumt.	0.00
110	542.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) Fourth Floor	0.00	0	Cumt.	0.00
111	554.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) Fifth Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
112	688.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) Sixth Floor	0.00	0	Cumt.	0.00
113	504.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) Seventh Floor	0.00	0	Cumt.	0.00
114	491.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) Eighth Floor	0.00	0	Cumt.	0.00
115	491.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) Ninth Floor	0.00	0	Cumt.	0.00
116	21.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) Tenth Floor	0.00	0	Cumt.	0.00
117	143.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Slab i) Ground Floor slab level	0.00	0	Cumt.	0.00
118	84.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Slab (ii) First Floor	0.00	0	Cumt.	0.00
119	84.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Slab (iii) Second Floor	0.00	0	Cumt.	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
120	84.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Slab (iv) Third Floor	0.00	0	Cumt.	0.00
121	84.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Slab (v) Fourth Floor	0.00	0	Cumt.	0.00
122	84.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Slab (vi) Fifth Floor	0.00	0	Cumt.	0.00
123	84.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Slab (vii) Sixth Floor	0.00	0	Cumt.	0.00
124	84.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Slab (viii) Seventh Floor	0.00	0	Cumt.	0.00
125	84.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Slab (ix) Eighth Floor	0.00	0	Cumt.	0.00
126	84.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Slab (x) Ninth Floor	0.00	0	Cumt.	0.00
127	34.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (C) RCC Slab (xi) Tenth Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
128	79.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Stair Case i) up to Ground Floor slab level	0.00	0	Cumt.	0.00
129	79.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height)(C) RCC Stair Case i) First Floor	0.00	0	Cumt.	0.00
130	79.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement . (No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Stair Case i) Second Floor	0.00	0	Cumt.	0.00
131	79.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Stair Case i) Third Floor	0.00	0	Cumt.	0.00
132	79.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Stair Case i) Fourth Floor	0.00	0	Cumt.	0.00
133	79.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Stair Case i) Fifth Floor	0.00	0	Cumt.	0.00
134	45.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Stair Case i) Sixth Floor	0.00	0	Cumt.	0.00
135	45.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Stair Case i) Seventh Floor	0.00	0	Cumt.	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
136	45.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Stair Case i) Eighth Floor	0.00	0	Cumt.	0.00
137	45.00	Providing and laying in position Ready Mixed concrete mix M-35 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height) (C) RCC Stair Case i) Ninth Floor	0.00	0	Cumt.	0.00
138	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (i) Ground Floor	0.00	0	Cumt.	0.00
139	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (ii) First Floor	0.00	0	Cumt.	0.00
140	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (iii) Second Floor	0.00	0	Cumt.	0.00
141	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (iv) Third Floor	0.00	0	Cumt.	0.00
142	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (v) Fourth Floor	0.00	0	Cumt.	0.00
143	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (vi) Fifth Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
144	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (vii) Sixth Floor	0.00	0	Cumt.	0.00
145	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (viii) Seventh Floor	0.00	0	Cumt.	0.00
146	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (ix) Eighth Floor	0.00	0	Cumt.	0.00
147	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (x) Ninth Floor	0.00	0	Cumt.	0.00
148	4.00	Providing and laying in position Ready Mixed concrete mix M-25 grade for reinforced cement concrete work , using cement content as per approved design mix including pumping of concrete to site of kayaking, cost of Centering , shutterings, finishing, grouting if required , admixture in recommended proposition as per IS:9103 toaccelerated , retard, setting of concrete, improve workability as per direction of engineer in charge and approved , rates includes all levels , heights as specified , excluding reinforcement .(No extra will be paid in variation of cement level, minimum cement level will be as per IS 456 (rates for centering, shuttering, formwork staging scaffolding for considering upto 4.50 mt.height): (M) RCC Stair Case (xi) Tenth Floor	0.00	0	Cumt.	0.00
149	2181988.58	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete (a) up to Ground Floor	0.00	0	KG	0.00
150	606860.00	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete(b) First Floor level	0.00	0	KG	0.00
151	604131.00	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete (C) Second Floor level	0.00	0	KG	0.00
152	583656.00	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete (D) Third Floor	0.00	0	KG	0.00
153	585216.00	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto all Floor level (Fourth Floor)	0.00	0	KG	0.00
154	608811.00	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto all Floor level (Fifth Floor)	0.00	0	KG	0.00
155	516506.00	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto all Floor level (Sixth Floor)	0.00	0	KG	0.00
156	503221.00	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto all Floor level (Seventh Floor)	0.00	0	KG	0.00
157	461461.00	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto all Floor level (Eighth Floor)	0.00	0	KG	0.00
158	165241.00	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto all Floor level (Ninth Floor)	0.00	0	KG	0.00
159	66145.00	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto all Floor level (Tenth Floor)	0.00	0	KG	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
160	62000.00	<p>POST TENSIONING WORKS</p> <p>i) Design the PT member (slab or beam) and submitting the same with calculations for Structural Engineer / Engineer in charge approval and subsequently revising the same as per the instructions. ii) Submission of Shop Drawings along with Design report & calculations for Post Tensioned members to the Structural Engineer / Engineer in charge for approval. iii) Providing, laying and stressing of monostrand unbonded post tensioning steel tendons including providing in concrete steel tendons of class II (grade 1860) including wires, sheathing grease as per specifications, including laying the same at desired location and height, including providing anchor plates on both sides (end plate or stressing plate as per site requirement), tensioning the cables with hydraulic jack and pump to achieve the stresses in each cable as per design requirement, including designing the same by adapt software and supervising complete work during casting etc.complete. Recorded checking of layout, elongation and cutting of the cables to be properly provided by the PT operator. Rate shall be inclusive of 5 years of maintance.</p> <p>Specifications of various components are:</p> <p>(a) Cables: 12.7 mm nominal diameter low relaxation 7 wire strand of class II (grade 1860) to be used in unbonded mono strand post tensioning tendons conforming to IS-14268:1995 / ASTM A 416 having sectional area of 98.7 sq.mm. and unit weight of bare strand more than 0.775 kg/m. (b) Sheathing: Polyethylene or polypropylene with a minimum density of 0.941 gms/cm³ & thickness 1.25 mm to properly cover the tendons against concrete and cement paste. (c) Grease: Should provide protection against corrosion to the pre-stressing steel and should provide proper lubrication between strand and sheathing, chemically stable and should not react to either tendons or sheathing. (d) Anchor plate: 57x127 mm anchor plates made out of SG iron along with self locking locks for mono strand anchorage of unbonded tendons having enough strength to withstand corresponding design load. (e) Hydraulic jacks: Double acting mono strand stressing jack for 0.5 inch strands with a cylinder capacity of 20 tons,stroke 8.5" power wedge seater having internal pressure of 7575 psi. (f) Pump: 4 way reservoir valve type pump with remote motor control switch with motor of 1-1/8 HP</p>	0.00	0	Rmt	0.00
161	12432.00	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	0.00	0	Sqmt.	0.00
162	293.00	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/Sq. Cm. in foundation and plinth in cement mortar 1:6 (1 cement : 6 fine sand) Up to Plinth. (B) Conventional (more than 10 ton) up to plinth level	0.00	0	Cumt.	0.00
163	1477.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (A) Ground Floor	0.00	0	Cumt.	0.00
164	1140.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (B) FIRST FLOOR	0.00	0	Cumt.	0.00
165	1157.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (C)SECOND FLOOR	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
166	1007.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (D)THIRD FLOOR	0.00	0	Cumt.	0.00
167	1103.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (D)FOURTH FLOOR	0.00	0	Cumt.	0.00
168	1040.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (d) fifth Floor	0.00	0	Cumt.	0.00
169	1040.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (d) Sixth Floor	0.00	0	Cumt.	0.00
170	836.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (d) Seventh Floor	0.00	0	Cumt.	0.00
171	741.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (d) Eighth Floor	0.00	0	Cumt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
172	769.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (d) Ninth Floor	0.00	0	Cumt.	0.00
173	222.00	Providing and laying autoclave aerated concrete blocks as per drawing in single or multiple layers with Ready mix joining mortar. Crushing strength of aerated concrete block shall not be less than 40 KG/sqcm, minimum density in oven dry condition between 651 to 750 KG/CUM, thermal conductivity shall not exceed 0.30 w/mk, fire resistant 4 hours, in true line level and plumb and cleaning the surface with necessary tool tackles The drying shrinkage shall be not more than 0.05 percent for Grade 1 blocks and 0.10 percent for Grade 2 blocks when tested in accordance with IS : 6641 (Part-2)-1972 etc. at all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge for all civil, plumbing, electrical & infrastructure work (d) Tenth Floor	0.00	0	Cumt.	0.00
174	6214.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 4 coarse sand) including floating coat of neat cement including finishing etc complete. (A) Ground Floor	0.00	0	Sqmt.	0.00
175	5932.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 3 coarse sand) including floating coat of neat cement including finishing etc complete. (b) First Floor	0.00	0	Sqmt.	0.00
176	5742.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 3 coarse sand) including floating coat of neat cement including finishing etc complete. (c) Second Floor	0.00	0	Sqmt.	0.00
177	5742.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 3 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Third Floor	0.00	0	Sqmt.	0.00
178	4823.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 3 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Fourth Floor	0.00	0	Sqmt.	0.00
179	4917.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 3 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Fifth Floor	0.00	0	Sqmt.	0.00
180	5989.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 3 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Sixth Floor	0.00	0	Sqmt.	0.00
181	4519.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 3 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Seventh Floor	0.00	0	Sqmt.	0.00
182	4409.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 3 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Eighth Floor	0.00	0	Sqmt.	0.00
183	4409.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 3 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Ninth Floor	0.00	0	Sqmt.	0.00
184	656.00	10mm th cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto floor two level finished even and smooth in C M 1:3 (1 cement 3 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Tenth Floor	0.00	0	Sqmt.	0.00
185	9872.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including mala plaster of neat cement including finishing etc complete. (b) Ground Floor	0.00	0	Sqmt.	0.00
186	14514.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including mala plaster of neat cement including finishing etc complete. (b) First Floor	0.00	0	Sqmt.	0.00
187	14946.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including floating coat of neat cement including finishing etc complete. (c) Second Floor	0.00	0	Sqmt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
188	13371.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Third Floor	0.00	0	Sqmt.	0.00
189	14771.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Fourth Floor	0.00	0	Sqmt.	0.00
190	14050.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Fifth Floor	0.00	0	Sqmt.	0.00
191	12341.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Sixth Floor	0.00	0	Sqmt.	0.00
192	9808.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Seventh Floor	0.00	0	Sqmt.	0.00
193	9808.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Eighth Floor	0.00	0	Sqmt.	0.00
194	9808.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Ninth Floor	0.00	0	Sqmt.	0.00
195	2093.00	Providing & fixing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including floating coat of neat cement including finishing etc complete. (d) Tenth Floor	0.00	0	Sqmt.	0.00
196	12066.00	20 mm. thick sand face cement plaster Gutkha finish on walls up to any height and above ground level consisting of 12 mm. thick backing coating of C.M. 1:3 (1 cement : 3 sand) and 8 mm. thick finishing coat in C.M. 1:1 (1 cement :1 sand) etc. complete.	0.00	0	Sqmt.	0.00
197	18759.00	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete.	0.00	0	Sqmt.	0.00
198	22877.00	Providing and applying 2mm thick Texture Plaster Terre Palette (Spectrum , Coral or equivalent) incorporating fine filaments made of polymer and aggregating natural stone powder with making grooves on base coat of 20 mm thick smooth mala plaster (which paid separately) etc. complete. Colour and shade as approved by Architect/ Engineer in charge for at all floor ,all height..	0.00	0	Sqmt	0.00
199	6619.00	Providing and fixing Chicken mesh jali (22 gauge) at the junction of 2 different surfaces of different material component at the time of plastering to prevent cracking in plaster surface as and where directed at all floors with all leads and lifts etc. Complete.	0.00	0	Sqmt.	0.00
200	4565.00	Providing throting or plaster drip and moulding to rcc chhajja for all floor.	0.00	0	Rmt.	0.00
201	4196.00	Providing 20 mm thick water proof cement plaster using water proofing powder 1Kg/1bag of cement for all floors on brick / concrete wall work using water proofing materials in C M 1: 4 (1 cement 4 coarse sand) including finishing with a floating coat of neat cement slurry etc complete for all floor. And shall be guaranteed for minimum period of 10 years after handing over the completed building by the main contractor to be finished as directed. Stamp paper guarantee 10 years to be furnished before receiving any payment from the client.	0.00	0	Smt	0.00
202	164268.00	Providing and applying two coats of Birla or Asian acrylic lapy (putty) & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	0.00	0	Sqmt.	0.00
203	164268.00	Providing and applying Wall painting (three coats) with plastic emulsion paint of approved brand and manufacture on under coated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand paperd smooth on new work to give an even shade.for all height	0.00	0	Sqmt.	0.00
204	27211.00	Finishing wall with weather proof low velocity ultima exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete for all height	0.00	0	Sqmt.	0.00
205	4800.00	Scaffolding:- Providing, erecting and Dismantling safe H frame and/or Pipe scaffolding including working platform for external and internal area of building to facilitate all works etc. completed. Measurement for payment shall be considered as per Detail specification.	0.00	0	Smt	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
206	2090.00	Providing and fixing flush door both sides laminated and I.T.W. beading all around by using I.T.W. frame 120 m.m. x 80m.m.. shutter fabricated from 35 mm thick solid core melamine faced three layered pre laminated flat pressed wood based exterior grade bonded BWP/BWR synthetic resin having stamped IS 12823 grade I type II including three coats of lacquer polishing to exposed wooden surfaces and Stainless steel decorative type designs fixtures / fastening etc. Including I.T.W. triangular batten patti of size 30m.m.x30m.m.etc. as per architectural detailed drawing and as directed by engineer in charge.	0.00	0	Sqmt.	0.00
207	122.00	Providing & fixing in position Domal 40 MM JINDAL Operable Series Fully paneled or Partly glazed & partly paneled coloured anodized 15 micron aluminium single/Double leaf door standard section (Jindal or Equivalent) for frame Door outer frame X2771 CODE (48.3 MM X 40 MM X1.5 MM -756 KG /M) , mullion X2930(70.1MM X 40 MM X1.5 MM -95KG /M) , door shutter X2773 (93 MM X 50 MM X1.5 MM -1.133 KG /M) , bottom section -X2777(100.2 MM X 50 MM X1.5 MM -1.1375 KG /M) , bottom seal profile X2776(32.85 MM X 26.50 MM X1.25 MM -0.373 KG /M) , centre meeting profile X2775(60.75 MM X 40 MM X1.50 MM -0.901 KG /M) and clip X2932(25.30 MM X 19.25 MM X1.27 MM -0.368 KG /M) 5 mm thick laminated compact sheet , 5 mm thick glass (Modi float or saint gobain brand at Top& bottom panel fix by glazing clips including providing & fixing S.S. handle & stopper, aldrop & mortise lock, SS screw with fixture & fastening including cutting the flooring, making good etc. all required materials labours and equipments with fixing as per detailed drawing or as direct EIC.	0.00	0	Smt	0.00
208	4355.02	Providing and fixing Three Track Domal window having extruded aluminum Colour anodized 60 micron Sliding section outer frame size 80 mm x 45 mm weight 1.555 kg/m (Jindal Section code : 21376) and shutter frame 27 mm x 65 mm weight 0.851 kg/m (Jindal Section code : 21490) and Section inner patti size 38.70 mm x 28.50 mm weight 0.303 kg/m (Jindal Section code 19453) , mosquito jali channel - 9 mm x 15 mm x1.20 mmx1.20 mm weight .118 kg/m (Jindal section code 15784) with 5 mm clear Frosted Glass (Modi or Saint Gobain) including one additional shutter ss mosquito jali and including all accessible accessories complete etc. or as directed Engineer in charge.	0.00	0	Smt	0.00
209	266.00	Providing and fixing standard extruded of domal aluminium section of size 50 mm x 25 mm x 1.2mm (Jindal or equivalent) with colour anodized 60 micron aluminium frame for ventilation with 5 mm thick frosted glass as details etc. complete for Ventilation	0.00	0	Smt	0.00
210	133177.00	Providing and fixing M.S.plain grills of required pattern with M.S. flats at required spacing's & frame around, square or round bars with round headed bolts and nuts or by screws including applying a priming coat of red lead paint two coat of Oil paint .	0.00	0	KG	0.00
211	402.00	Providing and Fixing heavy duty S.S. Door Closer as directed by Engineer In charge.	0.00	0	Each	0.00
212	174.00	Restroom Cubical: providing and installing ZMS SS Series Restroom Cubicles with all necessary tools hardware, labour, as per the company specs. Providing & Fixing BESCO Cubicle partition system for toilet by using following Materials 12mm thick compact laminate with core of phenol resin treat papers with black color top layer treated with special melamine resin. Adjustable legs with bottom cap of SS 316, door lock with, gravity hinges with cover - combination of mild steel and Nylon PA6 And used following Accessories Accessories Include: 1. Aluminium Top Rail (Stainless Steel Grade 304 with Satin Finish) 2. SS Coat Hook with Door Stopper Option (Stainless Steel Grade 304 with Satin Finish) 3. SS Gravity Hinges (Stainless Steel Grade 304 with Satin Finish) 4. SS Latch cum Occupancy Indicator (Stainless Steel Grade 304 with Satin Finish) 5. SS "U" Channel (Stainless Steel Grade 304 with Satin Finish) 6. SS "F" Channel (Stainless Steel Grade 304 with Satin Finish) 7. SS Palm Design Adjustable Foot (Stainless Steel Grade 304 with Satin Finish) 8. SS Screws & Inserts (Stainless Steel Grade 304 with Satin Finish) 9. Rubber Lining for Door Stopper	0.00	0	Nos.	0.00
213	12.00	Providing and fixing of approved make Trap door with galvanized steel . Doors should be finished in Powder Coating with film thickness of 60 microns approx. in desired RAL Shades. The manufacturer company must be TUV Nord ISO 9001-2015 certified ACODOR (koleshvari Infra) trap door and must be made from galvanized steel sheet. door must be concealed type of hinges and appropriate provision for hanging from ceiling. appropriate locking must be provided. Frame and door must made from minimum 1 mm galvanized steel.	0.00	0	Smt	0.00
214	503.00	Providing and fixing in position collapsible steel shutters with vertical channels 20 mm x 10 mm x 2 mm braced with flat iron diagonals 20 mm x 5 mm size with top & bottom rails of T iron 40 mm x 40 mm x 6 mm with 38 mm diameter steel pulleys complete with bolts, nuts, locking arrangements, stopper handles including applying a priming coat of red lead paint.	0.00	0	Sqmt	0.00
215	5927.00	Providing and laying 18-20 mm thick polished granite stone machine cut in single piece (Max. available) in sill and jambs of door ,window,ventilation & lift wall cladding, staircase flooring landing, risers & treads, skirting laid over 10 mm thick cement mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with grey cement slurry with matching pigment incl. rubbing and polishing, half rounding edge and incl. fixing of hilty fastener at every 1/3 span of sill as required size etc. complete colour and shed as approved by architect engineer in charge.	0.00	0	Sqmt	0.00
216	6693.00	Additional Labour Charges half round edge moulding for Granite flooring.	0.00	0	Rmt	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
217	6340.00	Providing and laying Granite slab (18 mm thick) one side polished flooring over 20 mm (average) base of cement mortar 1:6 (1 cement : 6 coarse sand) or L.M 1:1.5 laid and jointed with grey cement slurry including rubbing and polishing complete.	0.00	0	Sqmt.	0.00
218	4943.00	Extra charge for Applying River washing of the Granite slab flooring surface as per instruction of engineer in charge.	0.00	0	Sqmt.	0.00
219	2031.00	Providing and laying mirror polished kotah stone(hand dressed chissel) slab flooring over 20 mm thick base of CM 1 : 6 laid over and jointed with grey colour cement slurry including rubbing and polishing with amery stone etc. complete. 25 mm thick	0.00	0	Sqmt.	0.00
220	341.00	Providing and laying mirror polished kotah stone slab average 25 mm thick in risers of steps, dedo and pillars laid on 10 mm thick cement mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing with amery stone etc. complete.	0.00	0	Sqmt.	0.00
221	13.00	Providing and laying jaisalmer (18-20 mm thick) one side polished flooring over 20 mm (average) base of cement mortar 1:6 (1 cement : 6 coarse sand) or L.M 1:1.5 laid and jointed with grey cement slurry including rubbing and polishing complete.	0.00	0	Sqmt.	0.00
222	4427.00	Providing and Laying 600mm x 1200 mm full body Double Charge Vitrified Glossy tiles 9 to 10 mm thick tiles for flooring including skirting over 20 mm (average) base of cement mortar 1:6 (1 cement : 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete. Pattern Colour and shade as approved by architect. etc completed as directed by E.T.C/PMC . approximately 20% area will be dark shade and dark shade shall be decided by EIC.providing Expansion joint @ every 5mt filled with epoxy sealant.	0.00	0	Sqmt.	0.00
223	36532.00	Providing and Laying 800mm x 800 mm full body Double Charge Vitrified Glossy tiles 9 to 10 mm thick tiles for flooring including skirting over 20 mm (average) base of cement mortar 1:6 (1 cement : 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete. Pattern Colour and shade as approved by architect. etc completed as directed by E.T.C/PMC . approximately 20% area will be dark shade and dark shade shall be decided by EIC.providing Expansion joint @ every 5mt filled with epoxy sealant	0.00	0	Sqmt.	0.00
224	1958.00	Providing and laying 24" x 24" Vitrified double charge 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1cement : 6 coarse sand) or L.M 1:1.5 laid on new surface or fixing on existing flooring by adhesive material including dismantalling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc.complete For Antiskid	0.00	0	Smt	0.00
225	1872.00	Providing and laying of 600mm x 600mm vitrified wall tile Glossy/Matt in dado, skirting, riser, of size as specified of 8/10 mm thk on 10-12 mm thk Cement mortar 1:3 (1-cement : 3-coarse sand) as per detail and drawings with/without 3-5 mm grove Make as approved by client/Consultant of Approved colour. Cleaning and complete. Rates are including of Filling Grove with Redy mix Polymer mix cementenious based Grout Or Pure Epoxy Based Grout Material. as directed by Consultant/Engineer -in-charge.	0.00	0	Smt	0.00
226	4217.00	Providing and laying 300mm x 600 mm full body Double Charge Vitrified Glossy tiles 8 to 10 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	0.00	0	Sqmt.	0.00
227	100.00	Providing and laying Ceramic tiles (600mm*600 mm) 8-10 mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	0.00	0	Sqmt.	0.00
228	253.00	Providing and laying coloured glazed tiles of the size 300 mm x 450 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	0.00	0	Sqmt.	0.00
229	1909.00	Providing and laying 19mm x 65mm round 'D' edge and polished granite pencil patti on top, with cement paste and including backing coat in C.M. 1:4. All joints filled with colour / epoxy grout and wiped to give sharp joints with flush pointing and washed clean with acid etc.	0.00	0	Rmt	0.00
230	335.00	Providing and fixing Sand which type Granite platform including supplying and fixing granite stone 18 mm thick mirror polished 1st quality Granite stones in top and side position and vertical strip at front over 25 mm thick polished kota stone platform fixing in top and sides and intermediates supports fixing with cement mortar and adhesive and finishing including cutting for fixing of sink any size (as directed by engineer in charge) at required position etc complete.	0.00	0	Sqmt.	0.00
231	26123.00	Compaction and finishing of cement concrete by trimix M.250 process providing extra Labour charges for the trimix vacume dewatering service process on cement concrete road surface by using vacuum dewatering pump floater surface vibrator including making groves and rough finish to surface including leveling etc complete.	0.00	0	Smt.	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
232	494.00	Providing and fixing Exterior grade paver tile pavement in approved pattern in approved colour and pattern as per architectural drawing. The tiles to be laid using 20 to 25mm thick CM 1:3. The bedding plaster may vary in thickness as per site condition. The paver tiles to be pasted on the bedding plaster using grey cement. The tiles to be pasted leaving grooves of 4 to 5mm in between each successive tiles or/and gap may be provided in between the paver tiles to have gross joints / pebble stone as per architectural scheme. No extra will be paid for leaving the joints. The joints to be pointed using ready-made polymer joint sealer like tile mate of Roff or laticrete or equivalent. The type of pointing shall be ruled and sunk. The rate to include cost of all labour and material, cleaning, curing, etc., complete all as directed by Engineer-in-Charge.	0.00	0	Sqmt.	0.00
233	472.00	Providing and laying machine cut free edges machine double polished Kota stone for shelves in cupboard and walls in single piece (Maximum 1.50 mt.) 25 mm including cutting grooves in walls and fixing the stone with neat cement slurry in true line and level etc completed as directed by E.T.C/PMC . for Shelves.	0.00	0	Sqmt.	0.00
234	4060.00	All the waterproofing activities shall be carried out by in-house application company of the principal material manufacturer and provide a written corporate Supply Apply Corporate Warranty from the principal manufacturer that all work executed will be free from defects in materials, workmanship and free of leaks for a period of 10 years from the date of Work Completion, unless resulting from structural defects or causes other than the work of this section. Said defects shall be remedied by the principal manufacturer for the period of the warranty without additional cost to the owner for waterproofing material only. Providing and applying hydrophilic crystalline based waterproofing system in two coat application. The application to be done from +ve(positive) side on a wet open pore green concrete surface at coverage of 0.8to1kg/sqm as per manufacturer specification.It should be hydrophilic in nature, should be able to grow crystals year after year to seal microcracks.The product should confirm to DIN1048 part5 and should provide in depth crystallization.The material and application warranty to be given by manufacturer's authorized distributor/applicator on prescribed format for10 years.Note:- Treated area should be screeded using hydrophilic crystalline admixture KIM(Krstol Internal Membrane) @ 2% for be stresults:-Application of crystalline coating to be done within 7days of casting of concrete	0.00	0	Sqmt.	0.00
235	15400.00	Water proofing system :- Surface Preparation : The substrate must be clean, dry and structurally sound. It must be free from laitance, oils and all other surface contaminants. Before the application of spray applied Waterproofing membrane substrate shall have the moisture level < 5%. Waterproofing System :-Providing and applying waterproofing membrane, solvent free, root resistant, two component, BBA (British Board of Agreement) approved for roofing & tanking, Polyurethane spray applied waterproofing system of blue pigmented of make TREMCO, on horizontal and vertical face at 2.0mm (2.1 Kg / m ²) average DFT thickness via spray application ensuring total consumption directly over prepared designated surfaces with vertical up to spring bottom at least 300 mm, including pedestals, upstands and all utilities available. Waterproofing membrane should be applied post application of PU Primer . Waterproofing spray application is applied using 2 component high pressure spray machine as per manufactures specifications. Technical properties : Cured waterproofing seamless membrane shall exhibits the following properties of Resistant To Root / Microbial Attack , Density of spray applied elastomer DIN 53479 mg/m ³ :- 0.85 - 0.95, Shore A Hardness BS903 Part A2 :- 80, Elongation At Break ASTM D638 :- >250%, Tensile Strength ASTM D638 :- 12.50 Mpa , Tear Strength BS903 Part A3 :- 28KN/m, Static and Dynamic Crack Bridging Test BRE tested method EN1062-7 maximized :-14mm, Pull Off/Adhesion to Concrete ASTM D4541 :- 2.5 Mpa, Pull Off/Adhesion to Steel ASTM D4541 :- 5.80 Mpa, Puncture Resistance ASTM test method E154 :- 1700 N	0.00	0	smt	0.00
236	10191.00	Providing and laying cement concrete flooring 1:2:4 (1 Cement:2 Coarse Sand : 4 Stone aggregate 20 mm nominal size) adding polypropylene nylon fibers in 6 mm length at the dosage of 125 gm/ bag of cement and laid in one layer making slops to drain out rain water. (Avg. bedding thickness 75 mm thick).	0.00	0	Sqmt.	0.00
237	10361.00	Providing and laying broken white glazed tiles chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall, clearing with water and oxalic acid etc.as directed.	0.00	0	Sqmt.	0.00
238	4488.00	Providing cement vata (10 cm x 10 cm size) quartar round in cement mortar 1:1 including neat cement finishing watering etc. complete. For all floor	0.00	0	Rmt.	0.00
239	149.00	Providing and fixing in position S.S. railing(considering 1mt. height)by providing vertical support of 38 mm dia. pipe on top 50 mm dia stain less steel pipe rail with starting and end point vertical post of 50 mm dia with round ball on top of post including bending welding and fixing in R.C.C./brick work as directed.(top 50 dia vertical 38mm dia at 1 mt. c/c & horizontal 3 nos 25mm dia.)(testing is required of s.s 304) for all floor.	0.00	0	Rmt.	0.00
240	885.00	Providing and fixing in position S.S. daso by providing top 50 mm dia stain less steel pipe rail with starting and end point vertical post of 50 mm dia with wall/column including bending welding and fixing for staircase and balcony as directed.(testing is required of s.s 304) for all floor	0.00	0	Rmt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
241	843.00	Providing and filling with good quality cinder (steam coal) as directed by engineer in charge in sunks in layers of 15 cm thk, including watering, placing, ramming well etc. as directed.	0.00	0	Cumt.	0.00
242	119392.00	Providing & fixing Steel work welded in built up sections, hollow section framed work including cutting hoisting fixing in position and with one coat primer & two coat oil paint as per detail drawings etc. complete. in columns beams and joists channels M.S. flat Angles Pipes tees flats with connecting plates or angle cleatsetc,etc complete all as directed by Engineer-in-Charge.	0.00	0	KG	0.00
243	350.00	Zinc Roofing : Supply and Installation of VMZINC - ZINC Titanium Alloy 25/430 STANDING SEAM ROOFING SYSTEM of approved color shade in 0.7mm thickness. Zinc Titanium Alloy comprIndian Standard Instituting of the layers. 1) Top layer - VMZINC - Zinc titanium alloy standing seam profiled panels 25 /430 (25mm seam height and 430mm panel width) manufactured from zinc titanium alloy in 0.7mm minimum thickness and pre weathered Quartz plus finish .The material properties shall be as follows: Ultimate tensile strength: minimum 150 N/mm2, 0.2 Percent Proof Stress: min 100 N/mm2, Modulus of elasticity: 90,000 N/mm2 Panels shall be fixed to the substructure using Stainless Steel clips fixing and sliding clips of suitable height with spacing as required for the wind loads. The zinc roof sheets shall have a protection on its underside consisting of a 60 micron thick composite acrylate-urethane protective coating. The roofing sheets shall be as per EN 988 standards .The roofing shall be installed with the help of all the required machines / tools and design assistance. 2) Second Layer - Anti Abrasive breathable membrane to be laid underneath the Zinc roofing sheets. 3) Third Layer - 1.0mm thick GI strips / Pieces to be placed at suitable distance for fixing of special SS clips 4) Fourth Layer - 0.47mm TCT Bare Galvalume Hi-Tensile steel sheets profile with nominal 3.5mm deep ribs at pitch of nominal 50mm centre to centre distance 550 MPa Yield Strength. The micro liner - decking sheet shall be fixed over the Mild Steel purlins provided by Main Contractor. MS Box Section / GI Z Purlins to be provided by Main Contractor at distance of 600mm Centre to centre maximum for fixing of above mentioned Specialize roofing built up layers.	0.00	0	Smt	0.00
244	210.00	Supply and Installation of VMZINC Quartz plus finish 0.7mm zinc flashing having girth up to 250mm for eaves, gables, ridges, fascia etc. as per required site detailing & roof finishing details.	0.00	0	Rmt	0.00
245	2160.00	Providing and fixing PUF insulated continuous sandwich panels for roofs of total thickness not less than 30 mm made out from continuous line method on automatic plant. Panel shall have 0.50 mm thick percolated G.I sheet on both side of Polyurethane Foam with external face being corrugated in shape for G.I and PU foam both material. The crest height of the panel shall be of 35 mm minimum with 250 mm center to center pitch. The percolated sheet shall be of minimum 240 mpa steel grade confirming to IS: 14246:1995 and shall have zinc coating of minimum120 gsm as per IS: 277:1992, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI sheet shall have plastic protective guard film of minimum 25 micron to avoid scratches during transportation. The roof panels are laid over a frame work of trusses, columns and purlins fixed using 90 mm self drilling bolts with rubber washer including all types of flashings. The PU Foam shall be self-extinguishing, fire retardant type having minimum density of 40 kg / cum (± 2 kgs) including 0.25 mm thick craft paper edging, self tapping screws of required length and nos etc. complete as per structural design and direction of Engineer in - charge.	0.00	0	Smt	0.00
246	562.00	Providing and Fixing 10 mm thick multiwall polycarbonate roofing sheet lexan /bayer UV resistant fixed with hilti screw and rubber silicon sealer and aluminium strip of size 50 mm x 3 mm etc complete as directed by Engineer in charge.	0.00	0	Smt	0.00
247	5498.00	Providing and Fixing aluminium louvers using aluminium box section of 200 mm x 50 mm as per design.	0.00	0	Sqmt.	0.00
248	8000.00	SIGNAGES HANGING FROM CEILING- Providing, Fabricating & Fixing signage's using 304 grade Stainless steel 1.5 mm thick brushed steel finish plate (2 nos) with 8mm thk. Acrylic sheet covered with vinyl of approved colour, sandwiched between two S.S plate and fixed with s.s struds . Sandwiched plates should be fixed in 12mm X 12mm S.S 1.5mm thk.304 grade frame and punched (laser cut) lettering carried out on both the s.s plates of required size and text as directed by Engineer and hanged to ceiling with the help of S.S 8mm thick chain at both ends with making all the fixing arrangement to the ceiling and to the plate complete. Size: 12" x 6" etc completed as directed by E.T.C/PMC .	0.00	0	Sq. Inch	0.00
249	610.00	Providing and fixing 3 mm thick PVC sheets as Signage and Display of health signs/information of required size having retro reflective letters/design as per requirement, fixing the same through approved adhesive etc. complete work shall e carried out as per instruction of Engineer-in-charge (45 x 15 cms.) (work for all the floors)	0.00	0	Each	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
250	125.00	<p>Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including</p> <p>a) Structural analysis & design and preparation of shop drawings for pressure equalization or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.</p> <p>b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.</p> <p>c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanized with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.</p>	0.00	0	Smt	0.00
251	200.00	<p>Providing and laying and fixing 50 mm thick expansion joint by hydro cell semi rigid UV resistance with high performance laminated closed cell polythene foam joint filler in sheet foam as directed, etc. complete.</p>	0.00	0	Smt	0.00
252	180.00	<p>Supply and installation of SJPF 200, this flush mounted metal floor cover is designed for interior or exterior applications & Self-centring aluminium centre plate remains flush during thermal movement, but temporarily displaces and slides over floor surface during seismic movement with the help of spring steel turn bar assembly. The standard loading is 500 lbs for this model and the product will be supplied in Mill finish. The vapour barrier shall be incorporated in case of water resistant treatment requirement</p> <ul style="list-style-type: none"> • Extrusion: SJPF model is extruded with 6063-T5, ASTM B221 <p>Systems:</p> <ol style="list-style-type: none"> 1. Model SJPF 200 2. Type: Cover plate. 3. Cover Plate Design: 3mm thk. plate. 4. Attachment Method: Mechanical anchors. 5. With 1 mm EPDM vapour barrier <p>Movement:</p> <p>Nominal Joint Width: 51mm Minimum Joint Width: 25mm Maximum Joint Width: 89mm</p>	0.00	0	Rmt	0.00
253	1800.00	<p>Supply & Apply of approved make surface-mounted metal wall /ceiling cover which is designed for interior applications where low maintenance or tamper-resistant applications are desired. The free-floating aluminum center plate spans the joint and slides over the surface of the wall or ceiling to allow movement when required. The cover plate engages a "J-Hook" and locking channel for attachment.</p> <ul style="list-style-type: none"> • Extrusion: SMC4NM1/M2 model is extruded with 6063-T5, ASTM B221 <ol style="list-style-type: none"> 1. Basis-of-Design Product: Construction Specialties, Inc. model ASM 200 2. Type: Snap-on cover. 3. Attachment Method: Mechanical anchors. 4. Movement Test : Tested with Architectural Testing, Inc., an Intertek company ("Intertek-ATI") as per ASTM E 1399-97, Report No: 84284.01-106-31 <p>Movement:</p> <p>Nominal Joint Width: 51mm Minimum Joint Width: 10mm Maximum Joint Width: 76mm</p>	0.00	0	Rmt	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
254	72.00	<p>Supply & Apply of approved make surface-mounted metal wall /ceiling cover which is designed for exterior applications where low maintenance or tamper-resistant applications are desired. The free-floating aluminum center plate spans the joint and slides over the surface of the wall to allow movement when required. The cover plate engages a "J-Hook" and locking channel for attachment. The external vapour barrier shall act to prevent the water penetration. The vapour barrier will be installed using L section on the open/ non anchored side of the EJC. The cover plate will be finished with Anodic Coating: Architectural Class II, clear coating 0.010 mm or thicker complying with AAMA 611.</p> <p>• Extrusion: SMC4NM1/M2 model is extruded with 6063-T5, ASTM B221</p> <p>1. Basis-of-Design Product: Construction Specialties, Inc. model ASM 200</p> <p>2. Type: Snap-on cover.</p> <p>3. Attachment Method: Mechanical anchors., Moisture Barrier: Epdm Sheet.</p> <p>4. Movement Test : Tested with Architectural Testing, Inc., an Intertek company ("Intertek-ATI") as per ASTM E 1399-97, Report No: 84284.01-106-31</p> <p>Movement: Nominal Joint Width: 51mm Minimum Joint Width: 10mm Maximum Joint Width: 76mm</p>	0.00	0	Rmt	0.00
255	180.00	<p>Supply and application of approved make external Roof cover model RJT 200 for 50 mm gap size, Aluminium roof cover comprised of extruded aluminium components, Injection molded turn bar, duroflex gaskets and EPDM vapor barrier. This profile is extruded aluminium with ASTM B 221, Alloy 6063-T5. This profile has been tested under Architectural Testing Agency (an Intertek Company) for the movement performance. The minimum opening of the profile is 3mm (-47mm) and the maximum opening of the profile is 92mm (+42mm) which is more than ±50% movement.</p>	0.00	0	Rmt	0.00
256	1356.00	<p>STRUCTURAL GLAZING SYSTEM:Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including: (A) Structural analysis and design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalization and drainage and protection against fire hazard including: (B) Fabricating and supplying serrated M.S hot dip galvanized / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers, (C) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment , including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass. (D) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight. (E) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, installation of glazed units, TandP, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified. The item includes the cost of getting all the structural and functional design including shop drawings checked by a structural designer, dully approved by Engineer-in-charge. The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing ,having all the performance characteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineering-Charge.</p>	0.00	0	Smt	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
257	1575.00	Supply and Installation of VMZINC Quartz finish- ZINC Titanium Alloy 25/430 STANDING SEAM FACADE CLADING SYSTEM in 0.8mm thickness. Zinc Titanium Alloy system shall be comprising of the following layers. 1) Top layer – VMZINC Quartz finish standing seam profiled facade panels having 25mm seam height and 430mm panel width to be manufactured from zinc titanium alloy in 0.8mm minimum thickness. The material properties shall be as follows:Ultimate tensile strength: minimum 150 N/ millimeter 2,0.2 Percent , Proof Stress: min 100 N/ millimeter 2, Modulus of elasticity: 90,000 N/mm2. Panels shall be fixed to the substructure using Stainless Steel clips fixing and sliding clips of suitable height with spacing as per required wind loads parameters. The zinc soffit cladding sheets shall have a proprietary transparent protection on its topside consisting of 15 microns thick Clear Polyurethane protective coating. The facade cladding sheets shall be as per EN 988 standards .The zinc manufacturer shall have all the required machines / tools and design assistance 2) Second Layer - Anti Abrasive breathable membrane / Synthetic Mesh to be laid underneath the roofing sheets. 3) Third Layer - 1.0mm thick galvanized iron strips / Pieces to placed at suitable distance for fixing of special stainless steel clips 4) Fourth Layer - 0.47mm TCT Bare Galvalume Hi-Tensile steel sheets profile with nominal 3.5mm deep ribs at pitch of nominal 50mm centre to centre distance 550 MPa Yield Strength. The micro liner - decking sheet shall be fixed over the secondary Aluminium framing 25mm x 50mm x 2mm thick with all required supporting accessories like MS brackets, anchor fasteners, SS screws, Aluminum rivets etc.	0.00	0	Smt	0.00
258	476.00	Supply and Installation of VMZINC Quartz finish flashing with 0.8mm thickness having girth up to 166mm for top, bottom, side closures as per site conditions & façade details.	0.00	0	Rmt	0.00
259	4.00	Supply and installation of tested fully glazed fire rated double leaf sliding door size-1800 mm x 2400 mm with 120 minutes of integrity and radiation control (EW 120) and insulation for 20 minutes (EI 20) with symmetrical (Bi-Directional) fire protection. The frames shall be imported cold rolled Forster profiles from Switzerland using DX52D+Z275-M-A-O steel sheets (As per EN standard EN 10327). The door frames are cold rolled from 1.5 mm steel sheet to form a profile of 50 mm x 50 mm on all sides. The door shutter would have the top rail, side rail and bottom rail dimensions of 50 mm x 50 mm. The overall door opening shall be as per tested evidence and tested as per EN 1634-1 in an accredited international laboratory. The glass should be clear 120 min fire rated for Integrity, Radiation control (EW 120) and partially insulation (EI 20) Non Wired Toughened Interlayered glass with a light transmission of 86% and a sound reduction of 38 dB and manufactured in UL & TUV audited Facility and including UL-EU Certification and compliant to class 1(B)1 category of Impact Resistance as per EN 12600. The glass shall provide bi-directional (Symmetrical) fire protection. The glass shall also be tested for 5000 hours of UV resistance. The door has to be connected to the surrounding construction by means of interlocking labyrinths lined with Kerafix Flex pan intumescent tapes as per the test evidence and connected to the sliding mechanism at the top. The sliding mechanism shall be as mentioned in the tested evidence or Assessment. The glass should be held in its place with the help of 1.5 mm cold rolled steel beading and Kerafix 2000 ceramic tape with cross section of 4 x 15 mm as per the test evidence. Beading shall be clipped on using Stainless Steel self-tapping screws fixed at a distance of 70 mm from the edges and 150 mm c/c henceforth. The glass panes are to be supported on non-combustible 6 mm Calcium Silicate setting blocks. The sliding mechanism shall be fixed to adequate supporting construction (MS channel / Reinforced concrete) to ensure proper support for the door.	0.00	0	Each	0.00
260	2943.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete.[A] 15 mm.	0.00	0	Rmt.	0.00
261	1872.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm.	0.00	0	Rmt.	0.00
262	2673.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [E] 40mm.	0.00	0	Rmt.	0.00
263	3683.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [F] 50mm.	0.00	0	Rmt.	0.00
264	240.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [G] 65 mm.	0.00	0	Rmt.	0.00
265	300.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [H] 80 mm.	0.00	0	Rmt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
266	75.00	Supplying & installing Brass Ball Valve conforming to IS 778, of RB, Italy or equivalent. Ball valve must be having screwed ends. The ball valve should be with stand with maximum pressure up to 16 Kg/cm2. Complete job as specified & directed. c) 50 mm	0.00	0	Each	0.00
267	25.00	...do... d) 65 mm	0.00	0	Each	0.00
268	25.00	...do... e) 80 mm	0.00	0	Each	0.00
269	700.00	Providing, laying and jointing in true line and level 50 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	0.00	0	Rmt.	0.00
270	475.00	Providing, laying and jointing in true line and level 75 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	0.00	0	Rmt.	0.00
271	844.00	Providing, laying and jointing in true line and level 110 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	0.00	0	Rmt.	0.00
272	280.00	Providing, laying and jointing in true line and level 160 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	0.00	0	Rmt.	0.00
273	210.00	Providing, fixing, testing and commissioning uPVC Floor trap for 125mm dia including 125x125mm S S grating with frame complete in all respects with necessary arrangements with proper care at all levels, protecting fittings and floor trap till the final handing over etc as per technical specifications, drawings and directed E.I.C. 110 X 75 mm	0.00	0	EACH	0.00
274	105.00	Providing, Installing, testing and commissioning UPVC Multi trap of self cleansing design with or without vent arm with provision for connecting upvc inlet fittings complete including cost of cutting and making good the walls and floors where ever required complete in all respects with necessary arrangements with proper care at all levels, protecting fittings and floor trap till the final handing over etc as per technical specifications, drawings and directed E.I.C. For 110 mm inlet and 110 mm outlet	0.00	0	EACH	0.00
275	490.00	Providing and fixing ECO Drain Pipes in including supporting the ECO Drain pipe on the bricks at each joint including leakproof joints ECO Drain Pipe etc., complete 200mm dia.	0.00	0	Rmt.	0.00
276	1820.00	Providing and fixing ECO Drain Pipes in including supporting the ECO Drain pipe on the bricks at each joint including leakproof joints ECO Drain Pipe etc., complete 300 mm dia.pipe	0.00	0	Rmt.	0.00
277	869.00	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	0.00	0	Each	0.00
278	335.00	Providing and fixing 600mm x 450mm Bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden pluge with C.P. brass screws and washers.	0.00	0	Each	0.00
279	317.00	Providing and fixing wash down wall hung water closet(European type) of approved make with integral 'P' trap jointed within C.I pipe in C:M 1:1 including matching seat cover, chair braket, Conceled metropole of jaquar or equivalent, 2 way bibcock of jaquar or equivalent, health foucet of jaquar or equivalent with 1 m extension pipe, toilet paper holder with all accessories etc. complete.	0.00	0	Each	0.00
280	195.00	Providing and fixing urinals of jaquar or equivalent with integral drain pipe jointed within C.I pipe in C:M 1:1, Concealed cock, all accessories etc. complete.	0.00	0	Each	0.00
281	195.00	Providing and Fixing auto closing concealed urinal flush valve with wall flange complete. As directed by EIC.	0.00	0	Each	0.00
282	286.00	Providing & Fixing C.P Brass waste for washbasin or sink (a) 32 mm Dia	0.00	0	Each	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
283	335.00	Providing and fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws.(B) 600mm x 20mm size.	0.00	0	Each	0.00
284	286.00	Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (j) 15mm dia.	0.00	0	Each	0.00
285	568.00	Providing and fixing screw down bib taps of following size : (B) Brass chromium plated screw down bib tap (l) 15 mm dia.	0.00	0	Each	0.00
286	362.00	Providing & Fixing C.P.Brass angle valve 15mm etc. complete.	0.00	0	Nos.	0.00
287	365.00	Providing and fixing table top wash basin on 18mm thick black shade polished granite for top with 2 Nos. of C.I. Heavy bracket with 1 Nos. of wash basin Jaquar brand or equivalent, C.P. brass Jaquar pillar cock or equivalent, angle valve or equivalent, C.P. brass extension nipple 62mm long, S.S. flange water super connection pipe 60cm. long and full thread waste coupling including, bottle trap making hole in granite for wash basin etc. complete. (For all floor)	0.00	0	Each	0.00
288	286.00	Providing & Fixing soap dish of approved make or as directed and complete.	0.00	0	Each	0.00
289	242.00	Providing & fixing CP brass double coat hook etc. complete.	0.00	0	Each	0.00
290	24.00	Providing and fixing 2 Nos. support arms and backrest to mount at fixed height for Divyang toilet complete as recommended by the etc completed as directed by E.T.C/PMC .	0.00	0	Each	0.00
291	24.00	Providing and fixing raised toilet seat with cover for handicap toilet as recommended by the etc completed as directed by E.T.C/PMC .	0.00	0	Each	0.00
292	24.00	Providing and fixing brackets, tracks with flexible feed & waste pipes for adjustable type wash basin complete as recommended, for handicap toilet (approved make)etc. completed as directed by E.T.C/PMC .	0.00	0	Each	0.00
293	76.00	Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet.(A) 100mm dia. Each	0.00	0	Each	0.00
294	1624.00	Providing and fixing to wall, ceiling, floor 10.0 Kgf/Sqcm working pressure polythelene pipes of 110mm dia. For rain water , low density, complete with special flange compression type fittings, wall clips etc. making good wall ceiling and floor.	0.00	0	Rmt.	0.00
295	24.00	Providing and fixing in position UPVC/SWR cowel vent to pipe 110mm dia as directed.	0.00	0	Each	0.00
296	74.00	Constructing brick masonry road gully chamber 500 mmx450mmx600mm incl.500 mmx450mm C.I.horizontal grating with frame complet	0.00	0	Each	0.00
297	82.00	Providing & fixing S.W. Gully trap with C.I.grating brick masonary chamber & water tight C.I. Cover with frame of 300x300 mm size (inside)with standard weight. Square mouth trap 100mm x 100mm size P- type	0.00	0	Each	0.00
298	127.00	Providing and fixing Gun metal check or non-return fullway wheel valve.(C) 25mm dia.	0.00	0	Each	0.00
299	106.00	Providing and fixing Gun metal check or non-return fullway wheel valve.(E) 40mm dia.	0.00	0	Each	0.00
300	46.00	Constructing Manhole with R.C.C. top slab in 1 : 2 : 4 mix (1-cement : 2-coarsesand : 4-graded stone aggregate 20 mm nominal size) foundation concrete 1 : 3 : 6 mix (1-cement : 3-coarse sand : 6 Brickbats 40 + 50 mm size) inside plastering 15 mm thick with Cement Mortar 1 : 3 (1-Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1 : 2 : 4 mix (1-Cement : 2-Coarse sand : 4-stone aggregate 20 mm nominal size) finished smooth complete including curing and festing (i) Inside size 900 mm x 1200 mm and 1.5 M. deep including C.I. cover with frame size 560 mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.) (A) With 230 mm thick walls of brick msonry using brick having crushing strength not less than 35 Kg./Sq.cm. in Cement Mortar 1 : 5 (1-Cement:5-Coarse sand) (1)A type depth 0.90 Metre for 150 mm diameter sewer.	0.00	0	Each	0.00
301	39.00	Extra rate for constructing B.B masonry for every additional depth 0.10 meter or part thereof over item 24.27 (I) for depth from 0.90 meter to 1.50 meter.	0.00	0	Each	0.00
302	39.00	Constructing Manhole with R.C.C. top slab in 1 : 2 : 4 mix (1-cement : 2-coarsesand : 4-graded stone aggregate 20 mm nominal size) foundation concrete 1 : 3 : 6 mix (1-cement : 3-coarse sand : 6 Brickbats 40 + 50 mm size) inside plastering 15 mm thick with Cement Mortar 1 : 3 (1-Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1 : 2 : 4 mix (1-Cement : 2-Coarse sand : 4-stone aggregate 20 mm nominal size) finished smooth complete including curing and festing (i) Inside size 900 mm x 1200 mm and 1.5 M. deep including C.I. cover with frame size 560 mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.) (A) With 230 mm thick walls of brick msonry using brick having crushing strength not less than 35 Kg./Sq.cm. in Cement Mortar 1 : 5 (1-Cement:5-Coarse sand) 2) B type depth 1.50 meter for 150mm diameter sewer	0.00	0	Each	0.00
303	39.00	Extra rate for constructing B.B masonry for every additional depth 0.10 meter or part thereof over item 24.27 (II) for depth from 1.50 meter to 2.25 meter	0.00	0	Each	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
304	39.00	Constructing Manhole with R.C.C. top slab in 1 : 2 : 4 mix (1-cement : 2-coarsesand : 4-graded stone aggregate 20 mm nominal size) foundation concrete 1 : 3 : 6 mix (1-cement : 3-coarse sand : 6 Brickbats 40 + 50 mm size) inside plastering 15 mm thick with Cement Mortar 1 : 3 (1-Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1 : 2 : 4 mix (1-Cement : 2-Coarse sand : 4-stone aggregate 20 mm nominal size) finished smooth complete including curing and festing (i) Inside size 900 mm x 1200 mm and 1.5 M. deep including C.I. cover with frame size 560 mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.) (A) With 230 mm thick walls of brick msonry using brick having crushing strength not less than 35 Kg./Sq.cm. in Cement Mortar 1 : 5 (1-Cement:5-Coarse sand 3) C type depth 2.25 meter for 150mm diameter sewer	0.00	0	Each	0.00
305	39.00	Extra rate for constructing B.B masonry for every additional depth 0.10 meter or part thereof over item 24.27 (III) for depth from 2.25 meter to 3.15 meter.	0.00	0	Each	0.00
306	9.00	Constructing Manhole with R.C.C. top slab in 1 : 2 : 4 mix (1-cement : 2-coarsesand : 4-graded stone aggregate 20 mm nominal size) foundation concrete 1 : 3 : 6 mix (1-cement : 3-coarse sand : 6 Brickbats 40 + 50 mm size) inside plastering 15 mm thick with Cement Mortar 1 : 3 (1-Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1 : 2 : 4 mix (1-Cement : 2-Coarse sand : 4-stone aggregate 20 mm nominal size) finished smooth complete including curing and festing (i) Inside size 900 mm x 1200 mm and 1.5 M. deep including C.I. cover with frame size 560 mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.) (A) With 230 mm thick walls of brick msonry using brick having crushing strength not less than 35 Kg./Sq.cm. in Cement Mortar 1 : 5 (1-Cement:5-Coarse sand 4) D type depth 3.15 meter for 150mm diameter sewer	0.00	0	Each	0.00
307	15.00	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line	0.00	0	Each	0.00
308	15.00	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets. (upto 10 ton)	0.00	0	Each	0.00
309	33.00	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(iii) Inside dimensions 600mm x mm and 450mm deep for pipe lines with three or more inlets. (upto 10 ton)	0.00	0	Each	0.00
310	25.00	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(i) for 455mm x 610mm size.	0.00	0	Each	0.00
311	9.00	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(ii) for 500mm x 700mm size.	0.00	0	Each	0.00
312	9.00	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(iii) for 600mm x 850mm size.	0.00	0	Each	0.00
313	50.00	Providing M.S. foot rests including fixing in manholes with 20 x20 x 10 cm cement concrete blocks 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size) as per standard design with 20x20 mm square bar	0.00	0	Each	0.00
314	100000.00	Supplying and Installing 3 layer PVC water tank (ISI) of required capacity each with all necessary fittings and connection etc. complete on terrace.	0.00	0	Liter.	0.00
315	30.00	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS : 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink without drain board 610x510 mm bowl depth 200 mm, Kohler or Nirali Make Kitchen Sink 610 x 510mm with Sink spout of wall mounting type of approved make.	0.00	0	Each	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
316	158.00	Providing and fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete. (ii) 25 mm dia	0.00	0	Each	0.00
317	3.00	Providing and constructing SOAK WELL of 2.50m internal dia and 5.00 depth depth internal clear dimension including the cost of excavation,PCC 1:4:8 foundation for honey combed masonry in C.M. 1:4 (1cement : 4 sand) , casting R.C.C. 1:2:4 (1cement : 2 sand : 4 graded stone aggregate 20mm nominal size) top slab 12 thick with C.I. manhole cover 600mm x 450mm size of 35 kg. weight and 75mm dia C.I. pipe 1800mm long with 75mm dia cowel vent and filling the wall 1000mm in depth with dry brick bats including providing vata in C.M. 1:3 (1cement : 3 sand), curing including cost of reinforcement etc. complete as per detailed drawing and directed by E.I.C.	0.00	0	Each	0.00
318	3.00	Construction Septic tank inside dimention of 4.00 m in length & 2.50 m in width & 2.00 m depth including excavating any type of soil as shown and mentioned in the drawing,providing and laying 0.10 m thick plain cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone agg.) 40 mm thick IPS flooring at bottom with brick masonry 0.23 m thick walls CM 1:5 (1 cement : 5 coarse sand) and intermediate partition CM 1:4 & RCC Top slabs12 cms thick in 1:2:4 (1 cement : 2 coarse sand : 4 graded stone agg) including reinforcement as per design and 15 mm thick cement plaster in CM 1:4 with floating coat of neat cement slurry inside, top and around tank below 15 cm on ground level, Also provide Two nos CI Manhole frame and cover of size 60 cm x 45 cm & 75 mm dia. PVC 10 kgf / Sq cm pressure air vent pipe in 3.00 length with cowl etc complete as per direction of Engineer in charge.	0.00	0	Each	0.00
319	770.00	Making holes upto 16mm dia. in masonry by hammer drilling machine including disposing the debries.	0.00	0	No.	0.00
320	770.00	Making holes upto 40mm dia. in masonry by hammer drilling machine including disposing the debries.	0.00	0	No.	0.00
321	770.00	Making holes upto 75mm dia. in any RCC members by diamond Core Cutting machine including disposing the debries.	0.00	0	No.	0.00
322	770.00	Making holes upto 125mm dia. in any RCC members by diamond Core Cutting machine including disposing the debries.	0.00	0	No.	0.00
323	770.00	Making holes upto 200mm dia. in any RCC members by diamond Core Cutting machine including disposing the debries.	0.00	0	No.	0.00
324	770.00	Making holes upto 250mm dia. in any RCC members by diamond Core Cutting machine including disposing the debries.	0.00	0	No.	0.00
325	770.00	Making holes upto 300mm dia. in any RCC members by diamond Core Cutting machine including disposing the debries.	0.00	0	No.	0.00
326	500.00	Providing and position PVC Sleeves in RCC elements like walls slabs beams etc. of 6 Kg/cm2 UPVC Pipes and diameter of taking out service pipelines cables road infrastructure work etc. upto 0.5 mtr. length for all floors/ all levels / all heights. a) 50mm dia.	0.00	0	Each	0.00
327	500.00	...do... b) 75mm dia.	0.00	0	Each	0.00
328	500.00	...do... c) 110mm dia.	0.00	0	Each	0.00
329	1530.00	Providing and fixing pre-cast Rubber Dye inter locking concrete block 60mm thick with grade of concrete M250 pneumatic compressed by mechanically pressed and as per approved design including 75 mm sand layer for levelling and filling the joint with sand in proper line and level etc. completed.	0.00	0	Sqmt.	0.00
330	2515.00	Providing and fixing pre-cast Rubber moulded inter locking concrete block 80mm thick with grade of concrete M400 pneumatic compressed by mechanically pressed and as per approved design including 75mm sand layer for leveling and filling the joint with sand in proper line and level etc. complete and including cost of carting of debries in outside of premises with all lead & lift as directed by engineer in charge	0.00	0	Sqmt.	0.00
331	2000.00	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	0.00	0	Rmt.	0.00
332	3400.00	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	0.00	0	Rmt.	0.00
333	2.00	Providing and fixing Steel Fiber Reinforced Concrete (SFRC) Manhole Cover EHD 35 ton capacity, Clear opening 600mm dia. Having weight 235 Kg. etc. complete as directed by EIC.	0.00	0	Each	0.00
334	48.00	Providing, laying and fixing 200 mm vide PVC water stop of approved make and grade thickness in concrete work for water tight structures like retaining walls of pound water body and underground water tank including cleaning and placing in line level etc. complete, as directed.	0.00	0	Rmt	0.00
335	24.00	Providing & Fixing iron steps of size 500mm x 150mm x 22.5 mm and painting with two coats of anticorrosive paint etc. complete.	0.00	0	Nos.	0.00
336	15.00	Providing and fixing in position cattle trap fabricating with 50 mm G.I. pipe, M.S. Channel, Patti etc. complete as per design supplied by department	0.00	0	Smt	0.00
337	9000.00	Providing & Filling farm clay or selected soil (Outside earth) in layers of 20 cm thickness including watering ramming , rolling with 8 to 10 Tone Roller, compacting and consolidating with any lead & lift as directed by EIC etc. complete.	0.00	0	Cmt	0.00
338	9000.00	Providing pure doob (dharo)grass including watering and maintenance of the lawn for 1 year or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying farm clay up 300 mm thick, sludge, manure, pesticides , extra earth, disposal of rubbish, trench excavation and all labour with lead and lift etc. complete as directed by EIC.	0.00	0	Smt	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
339	600.00	Providing Trees required Digging of pits 0.6mt. x 0.6mt x 0.6mt, filling with goodearth with mixing of cow dong and pesticide.planting the following plant of 4' to 6' height stack it well, maintain it for 1 year name of plants Neem, Nagor, Avonla, Aritha, Garmala, Neem, Nagor, Avonla, Aritha, Garmala, Neem, Nagor, Avonla, Aritha, Garmala, etc.	0.00	0	Each	0.00
340	600.00	Planting of exotic palm trees Digging of pits 0.6mt. x 0.6mt x 0.6mt, filling with good earth with mixing of cow dong and pesticide. Planting the following plant of 8' to 10' height stack it well, maintain it for 3 month Bottle palm, Coconut, Sopari, Fish tail, Fox tail, Phonix, Date palm, Bismarkia, Shampagon, Latania, etc.	0.00	0	Each	0.00
341	180.00	Providing and fixing PVC tree guard 60 cm dia and 2 m height, above ground consisting ,One name plate of 1 mm thick M.S. sheet of size 250x100 mm shall be welded to the tree guard near the middle height and lettered PIU/ any other approved name. The tree guard shall be suitably fixed to the ground by embedding four legs of tree guard in pits of suitable dia and to depth of 25 cm, refilling the pits with soil and ramming, complete in all respect as per satisfaction and direction of Officer-in-charge.	0.00	0	No.	0.00
342	180.00	Providing and fixing bright finish 2 mm thick Stainless steel (Grade 304) letters size up to 350 cm height in English language fixed in wall with screws and nails and any height including scaffolding etc complete as per instruction of Engineer-in-charge.	0.00	0	No.	0.00
343	790.00	Providing and Fixing concerting coil fencing with 600 mm dia. Up to 3.00 meter height of wall with exiting iron Y shaped placed 2.40 mt or 3.00 mtr apart and with 9 horizontal R.B.T stud tied with G.I staples and G.I Clips to retain horizontal including necessary bouts or G.I barbed wire tied to angle iron all complete as per direction of engineer in charge with reinforced barbed tape (R.B.T.) / spring core (2.50 mm thick) wire of high tensile of 165 kg/sqm with tape (0.52 mm thick) of supreme make or equivalent and weight 43.47 gm/mtr [cost is included of M.S angle 40mmx40mmx6mm, c.c.blocks size 230mmx230mmx150mm(1:2:4)	0.00	0	Rmt	0.00
344	1.00	STP on MBBR Technology(200_KLD) PART -A, MEP WORK Planning, Designing, Detailing, Manufacturing, Supplying,Erection, Testing and Commissioning of Sewage Treatment Plant (STP) of 200 cu mt per day , including all electrical ,mechanical equipment, interconnected piping, valves,pumps,instruments. Design and construction of RCC tanks i.e. oil & grease chamber , collection tank, bio reactor tank , tube settler , chlorine contact tank and final treated water tank with manhole cover & all other civil structure of the pump room of the plant to complete the job. Connection of the underground sewage line to STP as well as connection of treated water of STP to nearest drain and Bypass connection of STP to the drain point with required civil, piping work & accessories all included in the scope of work. Suitable size of Shade to be provided to cover up the entire STP plant. Aeration should be provided in both Collection as well as Bio-Reactor Tank. All wetted parts should be in SS304. STP should be based on MBBR Technology including primary treatment secondary treatment and tertiary treatment of having Multi Grade Filter, Activated Carbon Filter with necessary chlorine contact system , Poly Electrolyte Dosing system complete to treat raw sewage from Domestic liquid waste with output characteristics as follows : Parameter pH : 7 to 7.5 B.O.D. (mg / Lit) : < 5 to 20 mg/Lit C.O.D. (mg / Lit) : < 10 to 30 mg/Lit Suspended Solids : < 25 mg/Lit Oil & Grease (mg / Lit) : < 5 mg/Lit. It also includes operation and maintenance cost of STP for 3 years form the actual date of completion without any extra cost	0.00	0	Each	0.00
345	1.00	EQUIPMENTS SITC of Surface Hydro-Pneumatic System for Domestic Water supply : Compact self contained Hydro-booster system comprising of following : Vertical In-line/Horizontal multi-stage, centrifugal clear water pumps with AISI304 Impeller and AISI316 Shaft, Cast Iron (FG260) Suction and Discharge with CED coating, TEFGIP55 motor (with Mechanical seal)Vendor to submit performance curves and technical catalogue of the proposed model for review and information Controller with colour touch screen display and Variable Frequency Drive(VFD) integrated in a single body with pressure sensor transmitter, programming to indicate pump ready, pump running and fault in display and capable to communicate with other controllers following MODBUS-RTU or BACNET Class-2 protocol through RS485 port. System should be capable to compensate for frictional losses at lower flows. All alarms should be displayed in the controller. System should be equipped with dry running protection. Indication of all type of faults / on-off status / electrical parameters shall be available on display and central BMS monitors. Also able to work with pressure switch in manual mode operation. Source from same manufacturer of pump. Pre-charged diaphragm pressure vessel with interchangeable membrane, charging connection, connected to outlet header with necessary flanges, gaskets, isolating valves, nuts/bolts etc. complete (size of pressure vessel as per manufacturer recommendation) Set of accessories such as G.I headers (with zinc coating) for suction and discharge, control valves, non return valves, pressure switches, pressure transducers, pressure gauge, common skid, inter connecting power and control cabling etc. Complete. Set of Solenoid valve (IP68), control panel and y-strainer to maintain water level in OHT with float switch should be provided Purpose of system - Domestic water supply system to each utility Nos of system - 1set =2 working + 1 stand by Flow rate of system (working pumps) - 650 LPM Total Head of each pump - 60m	0.00	0	set	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
346	1.00	...do... Purpose of system - Flushing water supply system to each utility Nos of system - 1set =1 working + 1 stand by Flow rate of system (working pumps) - 450 LPM Total Head of each pump - 60m	0.00	0	set	0.00
347	2805.00	Box cutting the road surface to proper slope and camber for making a base for road work includ in gremoving the excavated stuffand depositing on the road side slope as directed upto 50Mt.lead.	0.00	0	Cumt.	0.00
348	765.00	Construction of granular sub-base 150 mm thick by providing coarse graded machine crushed B.T. material satisfying MOST specification of grading I (B.T. stone aggregate 53 mm to 26.5 mm 35 %, 26.5 to 4.75 mm - 45 % and 2.36 mm below - 20 %)including spreading in uniform layer with motor grader on prepared surface, mixing by mix in place method with rotator at OMC and compacting with vibratory roller to achieve the desired density etc. complete.	0.00	0	Cmt.	0.00
349	1275.00	Providing and laying wet mix macadam base course 250 mm thick using machine crushed B.T. chips as per required gradation mixing with required optimum quantity of water, conveying the mix to site of work, spreading in to grade and camber with mechanical paver and consolidation each layer with vibratory roller including cost of material labour plant and equipment etc. complete.	0.00	0	Cmt	0.00
350	1131.00	Providing and laying controlled cement concrete M.150 and curing complete including the cost of formwork and excluding reinforcement for reinforced concrete work in (A) Foundations and plinth pcc	0.00	0	Cumt.	0.00
351	1020.00	Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concere work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 20 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and reinforcement excluding cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) For Raft & Foundation footing	0.00	0	Cmt	0.00
352	190.00	Providing laying (two level or slopes) and jointing reinforced concrete light duty, non-pressure pipes I.S. class NP-2 of the followings internal diameter with collars and butt ends prepared for collar joints including testing of joints complete. 450 mm dia	0.00	0	Rmt.	0.00
353	180.00	Providing laying (two level or slopes) and jointing reinforced concrete light duty, non-pressure pipes I.S. class NP-2 of the followings internal diameter with collars and butt ends prepared for collar joints including testing of joints complete. 600 mm dia	0.00	0	Rmt.	0.00
354	60.00	Providing and Fixing ABS Plastic SPEED BUMP of Size :- 750 MM x 250MM x75 MM, Per Mtr # 4 Nos (2 black, 2 yellow),TOP DESIGN - LINE DESIGN ANTI SKID PATTERN FOR GRIP filling CEMENT INSIDE etc. complete as directed by Engineer-in-charge.	0.00	0	Rmt.	0.00
355	383.00	Road Marking Providing and laying of Hot applied Thermoplastic compound 2.5 mm thick including Reflectorisng Glass Beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC : 35 & finished surface to be level, uniform and free from streaks and holes.zebrapatta /bumpattalane/centerline /edgeline/cutpatta.The whitecolor marking should provide liminancecoefficientoncemendroad shallbe min130mcd/m2/lux and Asphalt road shall be min100mcd/m2/lux during the service life during the day time.The marking should meet the performance criteria for night time reflectivity,wetreflectivity and skid resistanceas mentioned in the section-15ofIRC35-2015.Warrantyfor the Retro reflectivity should be two years.	0.00	0	Smt	0.00
356	383.00	Providing & laying cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm. nominal size) laid in one layer finished with a floating coat of neat cement. [B] 50 mm. thick.	0.00	0	Smt	0.00
357	5100.00	Rolling and consolidation of soling including filling indepression which occurduring the process, with powerroler 8 tonne to 12 tonne.	0.00	0	Smt	0.00
358	7500.00	Providing and fixing 3 mm thick ACP sheets as signage and display of health signs/information of required size having retro reflective letters/design as per requirement, fixing the same through approved adhesive etc. complete work shall e carried out as per instruction of Engineer-in-charge (Approved make PVC foamed sheet only) (45 x 15 cms.)	0.00	0	per letter per SQ Inch	0.00
359	600.00	Extra over Item Writing letters or figures on any surface for using thick white paint instead black Japan paint (stops, comas, hyphens, and the like not to be measured and paid for separately (ii) Indian letters / figures	0.00	0	per letter per SQ Inch	0.00
360	7500.00	Providing & Fixing letters made from Modular Signage plate in front & top, 35mm thickness of letter will be made from 16 gauge sheet & it should be shoulders with nickel. Letters will be fix on any surface, wall and at any height. Letters will be fix with Brass Pins and nuts in proper line & level. (stops, comas, hyphens and the like not to be measured and not paid for separately (ii) Indian letters	0.00	0	per letter per SQ Inch	0.00
361	2.00	Providing & Fixing LED Sign board AS PER INSTRUCTION BY ENGINEER IN CHARGE	0.00	0	SQ FT	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
362	18.00	Road marking with hot applied thermoplastic paints with reflectorizing glass beads on bitumen surface providing and laying a hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250gms per sqm area, thickness of 2.5mm is excluding of surface applied glass beds as per IRC:35. The finished surface to be level, uniform and free from streaks and holes. Zebra patta /bump patta lane/center line/ edge line/cut patta	0.00	0	Sq.m.	0.00
363	90.00	Road marking with hot applied thermoplastic paints with reflectorizing glass beads on bitumen surface providing and laying a hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250gms per sqm area, thickness of 2.5mm is excluding of surface applied glass beds as per IRC:35. The finished surface to be level, uniform and free from streaks and holes.) Directional Arrow, Lettering	0.00	0	Sq.m.	0.00
364	90.00	CAT EYE/Pavement Marker(MNC two nail) made out of acrylic StreneAcrylonitrile or hi-impact poly Steren fitted with moulded of methacrylate (MNC) reflector cube corner reflector design, filled with tightly adhering pooting compound as per ASTM D-788 size 11.5x7x1.60 cms or 10x10x1.75 cms provided with bituminous adhesive in sufficient quantity with each unit fixing with two shrank .Reflector on both side.Co efficient of lumnination as per specification and compressive strength 13 tones at 23 degree centigrade etc.B) Double side lenses.	0.00	0	No.	0.00
365	10.00	Providing and fixing Swiss type bollard made out of 1.5mm CRC sheet ,height 140cms,bottom dia 23cm,top dia 12cm with direction plate of 30 cm dia fabricated necessary anchors as directed and also provide throughout length pipe of 25 NB for the strengthen of bollard and reflectorized Micro Prismatic Grade Sheet (Type XI)and three yellow strip 6 Inches wide of Type XI Retro reflective Sheeting, fixing with P.C.C M25 grade concrete(Foundation size 30cmx30cmx35cm).	0.00	0	each	0.00
366	5.00	RETRO -REFLECTORISEED TRAFFIC SIGN Mandatory Signage 60cm circular plus 60 cm x 20cm rectangular additional plate. Providing and fixing of reflectorized cautionary, mandatory and Informative sign as per IRC-67-2012 made of micro prismatic grade sheeting as per ASTM 4956-09 Type -XI fixed over 4 mm thick Aluminum Composite Material supported With frame fabricated from suitable size MS angle 40mm x 40mm x 5mm square box or circular as required on a mild steel angle iron post 65mm NB MS MW pipe or equivalent MS Pipe section firmly fixed to the ground. The total height of pole/Stand post is 3.3 mt and clear height is 2.1 from the footpath top or ground level by means of properly designed foundation with M25 grade cement concrete 45cmx45cmx60cm below footpath/ ground level as per approved drawing including excavation, curing etc. complete under the supervision of engineer In Charge. The pole shall be Painted with best Quality epoxy coating in Black and white Bends. The details of symbol for each board shall be as per the instruction of engineer in charge.	0.00	0	each	0.00
367	2.00	RETRO -REFLECTORISEED TRAFFIC SIGN Cautionary signage 60cm equilateral triangle plus 60 cm x 20cm rectangular additional plate. Providing and fixing of reflectorized cautionary, mandatory and Informative sign as per IRC-67-2012 made of micro prismatic grade sheeting as per ASTM 4956-09 Type -XI fixed over 4 mm thick Aluminum Composite Material supported With frame fabricated from suitable size MS angle 40mm x 40mm x 5mm square box or equilateral triangle as required on a mild steel angle iron post 65mm NB MS MW pipe or equivalent MS Pipe section firmly fixed to the ground. The total height of pole/Stand post is 3.3 mt and clear height is 2.1 from the footpath top or ground level by means of properly designed foundation with M25 grade cement concrete 45cmx45cmx60cm below footpath/ ground level as per approved drawing including excavation, curing etc. complete under the supervision of engineer In Charge. The pole shall be Painted with best Quality epoxy coating in Black and white Bends. The details of symbol for each board shall be as per the instruction of engineer in charge.	0.00	0	each	0.00
368	2.00	RETRO-REFLECTORISEED TRAFFIC SIGN Informatory signage 60cmx45cm rectangular plus 45 cm x 20cm rectangular additional plate. Providing and fixing of reflectorized cautionary, mandatory and Informative sign as per IRC-67-2012 made of micro prismatic grade sheeting as per ASTM 4956-09 Type -XI fixed over 4 mm thick Aluminum Composite Material supported With frame fabricated from suitable size MS angle 40mm x 40mm x 5mm rectangular box as required on a mild steel angle iron post 65mm NB MS MW pipe or equivalent MS Pipe section firmly fixed to the ground. The total height of pole/Stand post is 3.3 mt and clear height is 2.1 from the footpath top or ground level by means of properly designed foundation with M25 grade cement concrete 45cmx45cmx60cm below footpath/ ground level as per approved drawing including excavation, curing etc. complete under the supervision of engineer In Charge. The pole shall be Painted with best Quality epoxy coating in Black and white Bends. The details of symbol for each board shall be as per the instruction of engineer in charge.	0.00	0	each	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
369	2.00	Directional board : Providing and fixing Directional sign boards made out of 4mm. Aluminum composite Panel (ACP) in cubical shape of dimensions 153 cm x 122 cm x 17cms (avg.) Framed on 25 x 25 x 5 Equal angle sections as per drawing including sufficient horizontal support and diagonal bracing to withstand static as well as dynamic (WIND LOAD) after mounting it on 100x100x3.6 mm. M.S. Square Hollow Section(CHS) with 6 mm. M.S. Plates and stiffeners in such a manner that they are not visible from outside. The composite panel face is covered with micro prismatic grade sheeting confirming to type XI as per ASTM-D 4956 -09. It should bear minimum 10 Yrs. outdoor exposed performance supported by the Reflective - Sheeting manufacture is having legal jurisdiction in India. The letters (dual languages), symbols, borders shall be made of same material either by screen printing or by cut sheet lettering as recommended by the sheeting manufacture. The board sides (Top, Bottom, Sides and back side) are covered with round 4 MM Aluminium composite Panel(ACP) Blue Color sheet. The board sides are fabricated with 25x 6mm ms flat in round shape . The sign shall be installed at site on MB110 MS CHS. at 2.10 mt. clear bottom height from the pavement in M25 grade cement concrete block of 0.45 m x 0.45 m x 0.90 m dimensions as directed by the Engineer in charge. Total length of pole will be of 4.53 m height. Back side of directional board shall be made of Flex board maintaining with Ahmedabad Municipal Corporation letters and its logo according to instruction of Engineer -In charge. Nothing shall be paid for carting from factory to the fixing site within AMC limit.	0.00	0	each	0.00
370	25.00	Providing and fixing 3M or Avery Dennison brand Median Marker or equivalent made of tough impact resistant injection moulded thermoplastic body confirming to ASTM D256 Standards having fluorescent micro prismatic sheeting of 100 mm dia conforming to type-XI as per ASTM D4956 Standards on both side the Median Marker. The Slope of reflective surface shall be 15 degrees to base. The Median Markers shall be fixed to the concrete surface using the adhesive and screws as per procedure recommended by the manufacture and as per direction of Engineer in charge.	0.00	0	each	0.00
371	10.00	Supplying and fixing Delineator Made out of 62.5 mm dia/25 mm dia circular hollow section closed from top end and height 18 cms fabricated as per drawing painted with epoxy coating colour black with protective grill reflectorized with retro reflective sheeting specified with MORTH & H latest specification(B) High Intensity Grade	0.00	0	each	0.00
372	510.00	Painting Two Coats on divider and footpath curb surface / New Concrete Surface (Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces)	0.00	0	Sq.m.	0.00
373	120.00	C.R. Base Road Marking Painting lines, dashes, arrow, letters etc. on Road, Air fields and like in two coats with road road marking paint , brushing including cleaning the surface of all dirt, dust and other foreign matter. A) Over 10 cm in width	0.00	0	Rmt.	0.00
374	60.00	C.R. Base Road Marking Painting lines, dashes, arrow, letters etc. on Road, Air fields and like in two coats with road road marking paint , brushing including cleaning the surface of all dirt, dust and other foreign matter. (ii) Up to 10 cm in width	0.00	0	Rmt.	0.00
375	240.00	Tree Guard sign Providing and fixing sign boards Made out of 2 MM alluminiumn Sheet size 30 cms diameter circle. Pre treated with phospheting process and acid etching, painted with one coat of epoxy primer and two coats of best quality epoxy paint reflectorized with retro reflective sheeting as per latest M.O.S.T. Specifications (B) High Intensity Grade sheet	0.00	0	each	0.00
376	25.00	Supply and Installation of SPEED BREAKER PLASTIC (250mm x 50mm x 350mm with 16holes/mtrs. Line Design AntiSkid pattern for Grip with the reflectors on the both sides. Per mtr (2 black and 2 yellow).Fitting with concrete mixture & bolting.	0.00	0	Rmt.	0.00
377	3.00	Supply and Installation of SPEED BREAKER PLASTIC END CAP (250mm x 50mm x 350mm). Fitting with concrete mixture & bolting.	0.00	0	Nos.	0.00
378	3.00	Supply and Installation of CONVEX MIRROR (ABS Plastic and mirror made of back frame made of unbreakable polycarbonate) - 32" Inch (800mm) Fitting with wall mount kit, Per Kit 4 Holes Bolt Size - 6 x 50 Jarsi Bolt	0.00	0	Nos.	0.00
379	120.00	Supply and Installation of 3M ROAD STUD/CAT EYE REFLECTOR. Fitting with chemical & bolting, Per Pic 1 Holes & 6mm x 50mm bolt.	0.00	0	Nos.	0.00
380	450.00	Supply and Installation of RUBBER CORNER GUARD(90 x 90 x 6 mm) 800 MM height with yellow reflective strips with rubber materials. Fitting with size 45 x 10 screw with size 35 x 10 Roll Plug, Per Pic 3 Holes.	0.00	0	Nos.	0.00
381	1500.00	Supply and Installation of YELLOW PAINT Demarcating Patta for Vehicle Parking (Oil Paint with primer) with materials & Labour Cost. Good Company Colour Paint & Primer should be used. Approval for Client is Required on colour paint & primer Make. Width 150mm Standard size, Car Size 15 x 7.5ft, Two wheeler Size 7 x 2.5/3ft. 1Coat Primer , 2 Coat Paint)	0.00	0	Rmt.	0.00
382	20.00	Supply and Installation of YELLOW PAINT Demarcating Patta for Vehicle Parking without Material only Labour Cost. Width 150mm Standard size, Car Size 15 x 7.5ft, Two wheeler Size 7 x 2.5/3ft. 1Coat Primer , 2 Coat Paint)	0.00	0	Rmt.	0.00
383	25.00	Supply and Installation of TRAFFIC CONE (700mm x 365mm x 50mm) with reflective strips & Rubber Base and chain attaching facility on the traffic cone	0.00	0	Nos.	0.00
384	10.00	Supply and Installation of TRAFFIC CONE CHAIN 'S' Shape Chain - PVC Materials	0.00	0	Rmt.	0.00
385	10.00	Supply and Installation of SPRING POST(Base 75mm x L 750MM) with centre three reflective band(Yellow/ White) Fitting with Epoxy, Size 12mm x 150L MS bolt with chrome, Per Pic 3 Holes.	0.00	0	No.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
386	2.00	Supply and Installation of Boom Barrier -Up To 6 Mtr Including High Range Receiver,High Range Remote Control,A Pair Of Photocell Eyes, Push Button, Loop detector	0.00	0	No	0.00
387	45.00	Providing and placing in position Stainless steel (304 grade) Q -Manager four way tape head connectivity (3 receiving and 1 extension) with pole of 63 mm external dia, thickness 1.2 mm and height 950 mm including polyester tape 48 mm width, 2.75mtrs length with logo and message as per instruction and approval by architect/EIC.pole to be fixed to circular MS base (300mm dia & 19 mm thick) with SS cover of thickness 0.60 mm and bottom with rubberized cover etc complete as per design, drawing and directions of Engineer-in-charge	0.00	0	No	0.00
388	850.00	Providing and erecting 2.00 meter high temporary barricading at site as per drawing/ direction of Engineer-in-Charge which includes writing and painting, arrangement for traffic diversion such as traffic signals during construction at site for day and night, glow lamps, reflective signs, marking, flags, caution tape as directed by the Engineer-in-Charge. The barricading provided shall be retained in position at site continuously i/c shifting of barricading from one location to another location as many times as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job. The barricading shall not be removed without prior approval of Engineer-in-Charge. (Note :- One time payment shall be made for providing barricading from start of work till completion of work i/c shifting. The barricading provided shall remain to be the property of the contractor on completion of the work).	0.00	0	Rmt.	0.00
389	900.00	Providing and fixing on Z clamp and floor 10.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clips etc. including making good the wall ceiling and floor.(G)160 mm	0.00	0	Rmt	0.00
390	60.00	Providing junction for rain water junction chamber of size 0.60x0.60x0.75m with excavation of size 1.96x1.96 m & 0.15m thick c.c.1:2:4 bed concrete including brick masonry wall in CM 1:6 of 0.75m height & 0.23m thick with 15mm thick cement plaster inside & outside & 1.06x1.06 RCC (1:2:4) slab of thickness 0.15m with CRS steel and 0.60mx0.45m cast iron manhole cover with frame weight not less than 35 kg as per directed by Engineer-in-charge	0.00	0	Nos.	0.00
391	3.00	Providing Filter chamber of Brick work in C:M 1:6 of size 2.06mx1.20m x1.20m & excavation dimension of 2.66mx 1.81x1.35m including C.C 1:2:4 bed concrete of 0.15m thick including brick work in c.m 1:6 for 23cm thick wall including 15mm thick cement plaster inside & outside with cement slurry & 10cm thick RCC 1:2:4 top cover with frame of minimum weight of 35 kg & filling filter material kapchi in layers (25-40mm & 10-20mm) & BT metal 40mm & sand as per directed by Engineer-in-charge.	0.00	0	Nos.	0.00
392	3.00	Providing and installation Recharge pit of approved Make 3 layer RCC Precast Injection well system of size 1.5 meter Dia. X 3.4 Meter Height rein forced concrete precast three layer module with 6" dia x 12" dia. V wire screen of 0.75mm x 1.0 mm Slot size in SS 304 material and 1.0 meter height with MS Top cover and required Air vent including all necessary excavation and transportation at site including required filter media for the recharge system as per site requirement.	0.00	0	Nos.	0.00
393	150.00	Drilling of min. 250 mm dia. bore hole in all strata including dual over burden strata by combination DR/DTH rig including lowering 200 mm dia MS ERW pipes in bore hole and testing etc. All work as per directed engineer in charge.	0.00	0	Rmt	0.00
394	180.13	Supplying slotted PVC pipes of approved quality at site of work conforming to IS. 1239/1974 180mm dia.	0.00	0	Rmt	0.00
395	3.00	Cleaning & maintenance of system Including all Labour and replacing of Filter Media as Required for one year	0.00	0	Nos.	0.00
BOREWELL						
396	250.00	Drilling 300 mm dia bore in over burden strata including lowering and fixing of 200 mm nominal dia UPVC Pipes up to required depth and further drilling of 190 mm dia bore hole in rocky strata by DTH Rig including fitting of bore plug.	0.00	0	Rmt	0.00
397	120.00	Providing / supplying of 200 mm nominal dia Plain casing UPVC Pipe "CS-Type" at store of site of standard length with necessary couplers, cement solvent, joint along with required cement solvent including freight/Insurance/Octroi/ Taxes etc. complete detailed specifications and tests shall be conforming to IS 12818 / 1992 with latest amendment.	0.00	0	Rmt	0.00
398	1.00	Lowering of Submersible pump set complete with required nos and size of Column pipe (GI / HDPE pipe) erected by means of proper chain pulley block & pipe wrenches after checking of threads of each pipe with coupling to take the load of the pump set and pipe assembly filled up with water with trail testing, wiring GEB test report.	0.00	0	Job	0.00
399	550.00	Providing and erecting ISI marked PVC insulated PVC sheathed Flat flexible submersible copper cable approved make of 3 Core x 4 Sq.mm. size.	0.00	0	Rmt	0.00
400	500.00	Providing, lying & jointing HDPE pipe (50 mm dia.) line including fittings of standard make as approved by Engineer In Charge.	0.00	0	Rmt	0.00
INTERIOR WORK						

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
401	11256.00	Gypsum Plain False ceiling work Pro. And fixing single layer water proof gypsum board 12.5 mm thick sections using water proof board of size 1220 mm x 1830 mm x 8.0 mm suspended by GI suspender channel of size 25 mm x 3 mm with intermediate channel og size 18 mm x 40 mm x 0.8 mm at 1220 mm center to center ceiling section of size 40 mm x 35 mm x 0.55 mm at 457 mm c/c and perimeter channel A of size 20 mm x 27 mm x 30 mm x 0.5 mm at edges & drops incl.paper tap sand soft cleat, anchor fastener, scotch bolt connecting cleat,joining compound top coat on ceiling incl.making necy.opening for light fitting,diffuser, edge drops/patta etc. comp. as per detail drawing as directed	0.00	0	Sqm	0.00
402	4683.00	Grid False ceiling Providing and fixing eco-friendly light weight calcium silicate false ceiling tiles having Tegular edge & 15 mm Thick Densified edges on the Tile Periphery for Extra Strength The Light weight calcium silicate ceiling tiles shall have , light reflection 85% non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity0.043° w/m KC.for the best thermal Insulation . The Light weight calcium Silicate tile shall be of approved texture Fine fissured/ Spintone/Cosmos having NRC value of 0.5& Globe having NRC value of 0.75 NRC or equivalent of size 595 X 595 mm to be laid on true horizontal level suspended inter locking metal grid of hot dipped galvanized steel sections (galvanizing @120 grams per sqm including both side) consisting of main "T" runner suitably spaced at joints to get required length and size of 24X38mm made from 0.30 mm thick (minimum) sheet, 1200mm center to center, and cross "T" of size 24X28mm made out of 0.33mm (Minimum) sheet spaced 1200mm along spaced between main "T" at 600mm center to center to form agrid of 1200X600mm and secondary cross "T" of length 600mm and size 24x28mm made of 0.30 mm thick (Minimum) sheet to be interlocked at middle of the 1200X600mm panel to form grid of size 600X600mm resting on periphery walls/partitions on a perimeter wall angle pre-coated steel of size (24X24X3000mm made of 0.40mm thick (minimum) sheet with the help of rawl plugs at 450mm centre to centre with 25mm long dry wall screws @ 230mm interval and laying 15mm thick Densified edges light weight calcium silicate ceiling tiles of approved texture (Fine Fissured/ Cosmos/Spintone) in the grid including, cutting /making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required, Main "T" runners to be suspended from ceiling using G.I. slotted cleats of size 25X35X1.6mm fixed to ceiling with 12.5mm dia and 50mm long dash fasteners, 4mm G.I. adjustable rods with galvanized steel level clips of size 85X30X0.8mm, spaced at 1200mm centre to centre long main "T" bottom exposed with 24mm of all T-sections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by engineer-in charge.Note:- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/ opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tiles shall have NRC. Value of0.50 (Minimum) for Fine fissured/ Spintone/ Cosmos and 0.75 NRC for Globe, light reflection 85% non combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity. 0.043° w/m KC.for the best thermal Insulation	0.00	0	Sqm	0.00
403	365.00	U Shaped Screen Metal False Ceiling System: square edge P-50 series panels, 50mm wide x 50mm / 75mm / 100mm deep & 0.50mm TCT Galvanized Steel as per IS- 513. Panel length is up to approx. 3 mtr. Panel shall be plain powder coated on external surface only. When two panels are to be joined, they shall be joined together by means of panel coupler suitable for U Shaped Screen Panel. Coil coated panel shall be chromatized for maximum bond between metal and paint, enamelled twice under high temperature, one side with full primer and finish coat, the other side (Inner side) with a primer coating and skin coat on continuous paint line or Powder coated panel shall be 50 microns thick on exposed surface. Carrier shall be 20mm wide at bottom and 39mm deep with cut-outs to hold the panel in a module of 100mm, carrier shall be roll formed out of 0.60mm Galvanized steel and cut to a standard length of 2.4 mtr. When two or more carriers are to be joined, they shall be joined together by means of carrier coupler which will clip on to the holes in the sides of the cut carrier and hold them firmly in place while maintaining the module of 100mm centre to centre. The carrier shall be suspended from slab / truss by 4mm dia galvanized rod & height adjustment powder coated spring steel clips at maximum 1.2 to 1.5 meter centre to centre. The 4mm dia galvanized rod shall be fixed to slab by forming one end "J" shape with roll inserts. Edge profile shall be L- shaped, roll formed out of 0.5mm Galvanized steel strips with plain powder Coating in standard colours.	0.00	0	Sqm	0.00
404	990.00	Wooden False Ceiling: Providing and Fixing Channelled Woodworks perforated panels thickness of 15mm or as required by the Architect/approving Engineer, made of a Moisture Resistant fibre board with minimum 595 Kg/M3 density substrate with a laminated facing as per the approved shade & finish and a melamine balancing layer on the reverse side. The boards shall have a special perforation pattern where the visible surface has a "Helmholtz" fluted perforation of 3mm width and 13mm of visible panel each. The edges of the panels shall be "tongue-and-grooved" to receive special clips for installation.The back of the perforated panel shall have sound absorbing non-woven acoustical fleece having NRC of 0.60.	0.00	0	Sqm	0.00
405	1947.00	10 mm Thk Shera board : Providing & fixing flexy board of Shera 10mm thick including cutting for Ceiling/cladding including providing & fixing on required Framing, Accessories for fixing of shera board including two coat of oil paint with necessary fixture & fastening etc. complete as directed by architect & engineer in charge.	0.00	0	Sqm	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
406	519.00	Full ht. Partly glazed partition Providing and fixing full height partly glazed partition with 8mm glass installation upto ceiling or beam bottom as per drawing and the structural framing of Aluminium square pipe size of 50mm x 25mm and 1.6mm thick all vertical and horizontal member 600mm c/c both direction fixed by aluminium angle size of 25mm x 25mm x 25mm for proper finishing with both side cover with 8mm plywood with grooving detail as per design. All exposed edges shall be covered with necessary sizes wooden patti finish with melamine polish in approved shade. The plywood fixing properly without any air gap and finishing with selected laminate finish as per design. The glass shall be finished with vinyl film as per design. Before installation, make hole/face plate for conduit pipes of electrical / networking cables with openable stud from partition. Rate shall include necessary itching film, Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge and consultant. (Mode of measurement shall be till false ceiling lvl.) (Basic Cost of laminate Rs. 475/- per Smt.)	0.00	0	Sqm	0.00
407	498.00	Full height solid partition - Providing and fixing Full height wooden partition installation upto 3200mm and supports extended upto ceiling or beam bottom as per drawing and the structural framing of Aluminium square pipe size of 50mm x 25mm and 1.6mm thick all vertical and horizontal member 600mm c/c both direction fixed by aluminium angle size of 25mm x 25mm x 25mm for proper finishing with both side cover with 6mm plywood with grooving detail and 12mm glass fixed with wooden beading as per design. All exposed edges shall be covered with necessary sizes wooden Patti finish with melamine polish in approved shade. The partition fixing properly without any air gap and finishing with selected outside 1.0mm and inside 0.8mm thk. Laminate finish as per approved shade. The glass shall be finished with vinyl film as per design. Before installation, make hole/face plate for conduit pipes of electrical / networking cables with openable stud from partition. Rate shall include necessary itching film, Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge and consultant.	0.00	0	Sqm	0.00
408	1385.00	PROVIDING & FIXING DRY WALL PANELLING (75/100 MM THK) : Providing & fixing Dry wall panelling at specified locations, Framing shall consist of Heavy duty Aluminium Box Sections 50mmx25mm @ 600mm c/c Both ways horizontally and vertically inside dry wall. This framing would be covered with 8 mm thick and moisture resistant Cement board by approved make on both sides of the studs. The cement board joints to be taped and filled with joint filling compound. The entire cement board surface to be finished with approved make cement wall putty or equivalent to match the finish on adjoining walls. Provide sealant at the joint between structures and cement board. The rate to include all accessories like angles, clips, screws etc. to secure the studs with tracks and attach cement board to steel studs. Length X Height upto false ceiling will be measured for payment as directed by EIC/architect shall be provided wherever required. Also all exposed surfaces are to be painted with Emulsion Paint:- Supply and application of emulsion painting to all internal walls with two coats of plastic emulsion paint of approved make & shade and colour over coats of wall putty of Asian Paints or equivalent make and two coats of wall primer of approved make. The rate shall include the coats of all materials, labour, scaffolding, cleaning the glass planes, floor for paint drops after completion of painting works etc., complete.	0.00	0	Sqm	0.00
409	286.00	Acoustical panelling (Fabric Finish) Providing and supplying Armstrong 'Optra Acoustical Wall Panelling' with hardened square edges made of fibre glass substrate 25mm thick and wrapped on the front side with an acoustically transparent and fire-resistant fabric with an option of colours as per the choice of the Architect/Person in-charge of size 1200x600 mm Providing a minimum sound absorption level of 0.90 NRC to be affixed to wall using Wall panel impellers supplied by approved make as per the instructions laid down by the manufacturer. INSTALLATION: Armstrong wall panel impellers of adequate quantity as specified by the manufacturer shall be fixed to the wall surface using self-tapping screws. Armstrong Optra wall panels shall be pierced through the spikes of the impellers ensuring the line and level of the panels are maintained. Including cost of required Cut-Outs, finishing items/Scaffolding, and for all heights as per complete as per instruction of engineer-in-charge and consultant.	0.00	0	Sqm	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
410	381.00	Acoustical Wooden Panelling (MDF Finish) Providing and fixing wall acoustical panelling Fixing with Sound Strut screw fixed horizontal/vertical to wall at every 600mm c/c. Metal cleat can be fixed on top edges of Sound Strut Ceiling Section 55 fixed directly by stamping to the CS55 and Intermediate Channel-91 which is screw fixed directly to the wall where ever required and using approved make synco PF between framing and panel with technical specification of 1000GSM and 50MM thick and above CS55 fixing aluminium channel with clip and fixing approved make Acoustic Panel Slats L-16 of size 192mmx2430mmx16mm thick up to 2400mm high as per the following specification :-Slats L-16- 2mm @16mm, 32 x 192 x 2430 mm high density moisture resistant wood base Medium Density Fibre acoustic boards with Tongue & Groove Edge,2mm slot perforation @ 16mm centre, slates perforations, The acoustic should be furnished with a Black absorbent felt backing with an airflow resistance of 330-460 Ns/m ³ (DIN 53887),wood practical core,NRC : should be Up to 0.75,should meet the safety requirements of EN 14190. The colour of panel as approved by Architect and as specified including all accessories, material & labour complete as directed by Architect / Engineer - in - charge.	0.00	0	Sqm	0.00
411	1782.00	Providing and Fixing Acoustics Wooden Acoustics Panels with 3.4 mm Waterproof Grade Matt Finish Prelaminated MDF with 32 mm Open Cell FR PU foam with Square Edge. Size : 600 x 600 x 35 mm, Fixed with strong Heatx Adhesive, All block Should be Matching to the Corners, Final edge Should be Cover with Plastic/Wooden Border plate, Choice of Pre laminated MDF Sheet in 8 Prefixed design& Colour/ Polished in Matte finish, Density : 32 Kg / M3 , Resistance to fire : HF - 1 class as per UL 94 clause 12.1.6.NRC = 0.71 as per ASTM C423.	0.00	0	Sqm	0.00
412	226.00	Wall panelling/patta laminate finished Providing & fixing Wall panelling made of 50mm x 25mm aluminium square pipe C/C - 600mm horizontal & vertical member structure. The structure covered with 12mm plywood finished with 1mm thk. Laminate finished and electrical conducting and net wiring etc. All exposed edge wooden beading finished with melamine polish on surfaces openable facility with necessary hardware as per design and instruction as directed by site in-charge or architect. Complete as per detail drawing. The rate shall including all materials like Plywood, teak wood, 1mm thick Laminate, Nail, Screw, Abro tape and labour etc. complete as per detail drawing and instruction of engineer-in charge. Including cost of required Cut-Outs, decorative mouldings /finishing items/Scaffolding, and for all heights as per complete as per instruction of engineer-in charge and consultant.	0.00	0	Sqm	0.00
413	226.00	Wall panelling/patta Veneer finished Providing & fixing Wall panelling made of 50mm x 25mm aluminium square pipe C/C - 600mm horizontal & vertical member structure. The structure covered with 12mm plywood finished with 4 mm thk. Veneer finished and electrical conducting and net wiring etc. All exposed edge wooden beading finished with melamine polish on surfaces openable facility with necessary hardware as per design and instruction as directed by site in-charge or architect. Complete as per detail drawing. The rate shall including all materials like Plywood, teak wood, 4 mm thick Veneer, Nail, Screw, Abro tape and labour etc. complete as per detail drawing and instruction of engineer-in charge. Including cost of required Cut-Outs, decorative mouldings /finishing items/Scaffolding, and for all heights as per complete as per instruction of engineer-in charge and consultant.	0.00	0	Sqm	0.00
414	2168.00	Roller Blind work (Black out) Providing and fixing Roller Blind fixed on wall for window cover as per instruction by architect - in - charge. The Roller blind tapestry colour & design as per instruction by architect - in - Charge with necessary hardware fitting, material and labour etc. complete.	0.00	0	Sqm	0.00
415	387.00	Roller Blind work Providing and fixing Roller Blind fixed on wall for window cover as per instruction by architect - in - charge. The Roller blind tapestry colour & design as per instruction by architect - in - Charge with necessary hardware fitting, material and labour etc. complete.	0.00	0	Sqm	0.00
416	588.00	Texture paint Providing and applying texture finish for the internal wall surface, as per approved design and pattern and as per manufacture specification, over a base coat of thickness not less than 2 mm. The quoted rate shall inclusive of final finishing coat over 2 coats of acrylic emulsion paint. The rate shall also to inclusive of all the above and including wall putty, labour, tools & tackles at all heights and levels etc. complete.	0.00	0	Sqm	0.00
417	105.00	Providing material and labour for fixing of 12 mm thick approved quality soft board of approved make with cotton cloth/fabric of approved make and shade on 12mm thick BWR 300 grade ply with 1st class teak wood beading all around including lacquer polish, as approved sample and as directed by Architect. Elevation area of the soft board including lipping shall be measured and paid. The rates shall be inclusive of all wastages, lacquer polishing, fabric, labour for applying fabric, for all level, all heights etc. complete as directed by Engineer-in-charge. Wastage shall not be considered. Contractor shall get the sample and approved by Architect/ Engineer-in-charges.	0.00	0	Sqm	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
418	1028.00	Carpet Floor work providing & fixing machine made Loop Pile Carpets of 100% polypropylene with Total Pile wt. ± 5% 600 gsm and Gauge 1/10". The carpet effective pile height ± 5% 5.5 mm and Total Carpet wt. ± 5% 1600 gsm. This item to the satisfaction of the engineer-in charge and consultant. The rate shall have including stair nose profile (Radium type), Glue and all hardware, labour etc. complete as per detail drawing and instruction of engineer-in charge and consultant.	0.00	0	Sqm	0.00
419	387.00	Wooden Box panelling work (Paint finish) providing & fixing wooden box type panelling on wall and ceiling made of 50mm x 25mm aluminium square pipe or 18mm thick plywood skeleton C/C - 600mm horizontal & vertical member structure. The structure covered with 12mm thick plywood finished with 6mm MDF with approved paint finished with surfaces openable facility with necessary hardware as per design for electrical conduiting and net wiring etc. All exposed edge wooden bidding finished with melamine polish and instruction as directed by site in-charge or architect. Complete as per detail drawing. Including cost of required Cut-Outs, decorative mouldings/ finishing items/Scaffolding, and for all heights as per complete as per instruction of engineer-in charge and consultant.	0.00	0	Sqm	0.00
FURNITURE WORK						
420	522.00	Wooden Stage Seminal Hall Providing & fitting wooden stage made from 18mm thick plywood skeleton structure of MR grade. The Top & vertical surface shall be covered with 18mm thick plywood. The Apron shall be finish with 1.0mm thick laminate in approved shade. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.	0.00	0	Sqm	0.00
421	160.00	Wooden Flooring work (Solid wood plank) :Providing and fixing of Engineered Wood Flooring of 14 mm thickness with a top layer of 3.0 mm veneer of approved species of wood and approved finish ,including pine wood backing ,Tongue and groove locking system , Fixed on a zero level floor of concrete or tile etc ,on a completely dry and cleaned floor , as per the direction of the engineer or supervisor or architect. The Joint "mechanism between the planks shall be geometrically shaped tongue and groove construction. Floor plank shall be laid on polymer laminated backing paper and joints shall be fixed and filled with specified first quality adhesive including providing final finishing. Installation charges shall include film, foam, glue, labour and shall incorporate all accessories such as skirting, bedding, reducer, 't' profile, end moulding, stair nose profile etc, as may be required to complete the flooring--complete as per detail drawing and/or instructions given by the consultants/EIC.	0.00	0	Sqm	0.00
422	9.00	Cabin Table-1 (Size: 2700mmx1200mmx750mm) Providing and fixing 38mm thick plywood top with laminate finish with in approved shade with telescopic suspended metal keyboard with mouse tray with 57mm vertical legs made by plywood with laminate finish with. The Apron should be made from plywood with laminate finish with as per detail drawing, Drawer unit box (410MMx430MMx650MM) with wooden bidding patti on nylon castor with lock and telescopic channel should be made from 18mm plywood with laminate outside 1.0mm and 0.8mm inside laminate finish. The shutter outside shall be laminate finish and 0.8mm inside laminate finish with Auto hinges and drawer should made from 18mm plywood with laminate finish in approved shade and CPU Trolley should be supplied of metal powder coated, Footrest (100x75 mm) should be from teakwood with melamine polish finish in approved shade. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.	0.00	0	Nos.	0.00
423	9.00	Cabin Table-2 (Size: 2400mmx1000mmx750mm) Providing and fixing 38mm thick plywood top with laminate finish with in approved shade with telescopic suspended metal keyboard with mouse tray with 57mm vertical legs made by plywood with laminate finish with. The Apron should be made from plywood with laminate finish with as per detail drawing, Drawer unit box (410MMx430MMx650MM) with wooden bidding patti on nylon castor with lock and telescopic channel should be made from 18mm plywood with laminate outside 1.0mm and 0.8mm inside laminate finish. The shutter outside shall be laminate finish and 0.8mm inside laminate finish with Auto hinges and drawer should made from 18mm plywood with laminate finish in approved shade and CPU Trolley should be supplied of metal powder coated, Footrest (100x75 mm) should be from teakwood with melamine polish finish in approved shade. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
424	2.00	<p>Cabin Table-3 (Size: 2100mmx900mmx750mm) Providing and fixing 38mm thick plywood top with laminate finish with in approved shade with telescopic suspended metal keyboard with mouse tray with 57mm vertical legs made by plywood with laminate finish with. The Apron should be made from plywood with laminate finish with as per detail drawing, Drawer unit box (410MMx430MMx650MM) with wooden bidding patti on nylon castor with lock and telescopic channel should be made from 18mm plywood with laminate outside 1.0mm and 0.8mm inside laminate finish. The shutter outside shall be laminate finish and 0.8mm inside laminate finish with Auto hinges and drawer should made from 18mm plywood with laminate finish in approved shade and CPU Trolley should be supplied of metal powder coated, Footrest (100x75 mm) should be from teakwood with melamine polish finish in approved shade. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.</p>	0.00	0	Nos.	0.00
425	143.00	<p>Cabin Table-4 (Size: 1800mmx750mmx750mm) Providing and fixing 38mm thick plywood top with laminate finish with in approved shade with telescopic suspended metal keyboard with mouse tray with 57mm vertical legs made by plywood with laminate finish with. The Apron should be made from plywood with laminate finish with as per detail drawing, Drawer unit box with wooden bidding patti on nylon castor with lock and telescopic channel should be made from 18mm plywood with laminate outside 1.0mm and 0.8mm inside laminate finish. The shutter outside shall be laminate finish and 0.8mm inside laminate finish with Auto hinges and drawer should made from 18mm plywood with laminate finish in approved shade and CPU Trolley should be supplied of metal powder coated, Footrest (100x75mm) should be from teakwood with melamine polish finish in approved shade. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.</p>	0.00	0	Nos.	0.00
426	20.00	<p>Cabin Table-5 (Size: 1500mmx750mmx750mm) Providing and fixing 38mm thick plywood top with laminate finish with in approved shade with telescopic suspended metal keyboard with mouse tray with 57mm vertical legs made by plywood with laminate finish with. The Apron should be made from plywood with laminate finish with as per detail drawing, Drawer unit box with wooden bidding patti on nylon castor with lock and telescopic channel should be made from 18mm plywood with laminate outside 1.0mm and 0.8mm inside laminate finish. The shutter outside shall be laminate finish and 0.8mm inside laminate finish with Auto hinges and drawer should made from 18mm plywood with laminate finish in approved shade and CPU Trolley should be supplied of metal powder coated, Footrest (100x75mm) should be from teakwood with melamine polish finish in approved shade. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.</p>	0.00	0	Nos.	0.00
427	3.00	<p>Reception Table (Size: 3600mmx600mmx750mm) Providing and fixing 38mm thick plywood top with laminate finish with in approved shade with telescopic suspended metal keyboard with mouse tray with 57mm vertical legs made by plywood with laminate finish with. The Apron should be made from plywood with laminate finish with as per detail drawing, Drawer unit box with wooden bidding patti on nylon castor with lock and telescopic channel should be made from 18mm plywood with laminate outside 1.0mm and 0.8mm inside laminate finish. The shutter outside shall be laminate finish and 0.8mm inside laminate finish with Auto hinges and drawer should made from 18mm plywood with laminate finish in approved shade and CPU Trolley should be supplied of metal powder coated, Footrest (100x75mm) should be from teakwood with melamine polish finish in approved shade. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.</p>	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
428	51.00	Working Table (Size: 1200mm x 600mm x 750mm) Providing and fixing 38mm thick plywood top with laminate finish with in approved shade with telescopic suspended metal keyboard with mouse tray with 57mm vertical legs made by plywood with laminate finish with. The Apron should be made from plywood with laminate finish with as per detail drawing, Drawer unit box with wooden bidding patti on nylon castor with lock and telescopic channel should be made from 18mm plywood with laminate outside 1.0mm and 0.8mm inside laminate finish. The shutter outside shall be laminate finish and 0.8mm inside laminate finish with Auto hinges and drawer should made from 18mm plywood with laminate finish in approved shade and CPU Trolley should be supplied of metal powder coated, Footrest (100x75 mm) should be from teakwood with melamine polish finish in approved shade. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.	0.00	0	Nos.	0.00
429	99.00	Working Table (Size: 900mm x 450mm x 750mm) Providing and fixing 38mm thick plywood top with laminate finish with in approved shade with telescopic suspended metal keyboard with mouse tray with 57mm vertical legs made by plywood with laminate finish with. The Apron should be made from plywood with laminate finish with as per detail drawing, Drawer unit box with wooden bidding patti on nylon castor with lock and telescopic channel should be made from 18mm plywood with laminate outside 1.0mm and 0.8mm inside laminate finish. The shutter outside shall be laminate finish and 0.8mm inside laminate finish with Auto hinges and drawer should made from 18mm plywood with laminate finish in approved shade and CPU Trolley should be supplied of metal powder coated, Footrest (100x75 mm) should be from teakwood with melamine polish finish in approved shade. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.	0.00	0	Nos.	0.00
430	150.00	Library Reading Table (Size: length:-900mmx Depth 600mm x Height 750mm)-Sharing Providing and fixing Reading table unit top finish with 25mm post laminated particle board with vertical legs made by MS frame with powder Coated and Screen- 450mm ht. Softboard screen (Fabric finish) as a Divider as per drawing finish with Approved shade by EIC. The rate Including all materials, Taxes, transportation and labour etc. complete as per instruction of engineer-in charge and consultant.	0.00	0	Seat.	0.00
431	54.00	Library Reading Table with raceway (Size: length:-900mmx Depth 600mm x Height 750mm)-Sharing Providing and fixing Reading table unit top finish with 25mm post laminated particle board with vertical legs made by MS frame with powder Coated and Screen- 450mm ht. Softboard screen (Fabric finish) as a Divider, Raceway - Under table Metal race way for Switch boards make hole/face plate for conduit pipes/raceway of electrical/networking cables with openable stud from horizontal partition. as per drawing finish with Approved shade by EIC	0.00	0	Seat.	0.00
432	80.00	Providing & Fixing Double side book rack main 1. Product Size: Width 900mm, Height: 1850mm, Depth: 600mm 2. Construction: Rigid Knockdown construction. 3. Material: CRCA 0.8mm Thickness 4. Finish: Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). 5. Stack ability: The add-on units can be stacked width wise to form a bank of racks having common side panel. 6. Number of Adjustable shelf: Five adjustable shelves on one side (Total 12 Loading levels). Uniformly Distributed Load Capacity per each shelf is 80 Kg maximum. 7. Shelf back stiffener At the rear side of the shelves back stiffeners are provided. These act as separators between front & rear books. 8. Label holder & range indicator Label Holder & Range indicator on each main unit for inserting labels. The rate shall include all materials, hardware and labour etc. complete as per instruction of engineer-in charge and consultant	0.00	0	Nos	0.00
433	10.00	Book Case Providing & Fixing book case Size : 916mm(W) x 480mm(D) x 1980mm(H) for 4 Door Construction & Material: Rigid Knockdown Construction. Top Panel, Back Panel and side panel are made from 0.7mm high yield strength CRCA, rest in 0.8mm CRCA. Doors Features / Locking: Each Door has 6 lever Cam lock with common key. Each Door has 3 mm thk transparent glass for clear inside vision secured in a metal frame through rubber gasket. Each Door has as scissor mechanism for receding inside the top of respective compartment & ensures parallel and smooth movement. Each door has plastic side end caps as handle which is easy to grip. Behind Storage Shelving: Each compartment has storage shelf. Uniformly Distributed Load capacity per each shelf is 80 kg maximum. Finish : Epoxy polyester powder coated to the thickness of 50.	0.00	0	Nos	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
434	6.00	4 Seater Cubicle Workstation (Size: 1500mm x 550mm x 750mm) Providing and fixing 38mm thick plywood top with 1.0mm thick laminate finish in approved shade with telescopic suspended metal keyboard with mouse tray with 38mm vertical legs made by 18mm thick plywood with inside 0.8mm and 1.0mm outside laminate finish. The Apron should be made from 18mm thick plywood with 1.0mm thick laminate finish as per detail drawing, Footrest (100mmx75 mm) should be from teakwood with melamine polish finish in approved shade. The Table top shall have cable manager. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.	0.00	0	Nos.	0.00
435	1.00	Table (Size: 900mm Dia) Providing and fixing 38mm thick plywood top with 1.0mm thick laminate finish in approved shade with telescopic suspended metal keyboard with mouse tray with 38mm vertical legs made by 18mm thick plywood with inside 0.8mm and 1.0mm outside laminate finish. The Apron should be made from 18mm thick plywood with 1.0mm thick laminate finish as per detail drawing, Footrest (100mmx75 mm) should be from teakwood with melamine polish finish in approved shade. The Table top shall have cable manager. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.	0.00	0	Nos.	0.00
436	51.00	Podium (Size: 600mm x 600mm x 1200mm) Providing and fixing 38mm Thick laminated top made of 18mm thick plywood with expose edge having wooden beading with melamine polish in approved shade. The Podium Side made out of 18mm thick plywood with exterior and interior sides 1.0mm thick laminate finish in approved shade. The Podium shall have provide of cable manager for mike and other electrical connection, Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in-charge and consultant.	0.00	0	Nos.	0.00
437	5.00	Conference Table-1 (Size: 4000mmx1200mmx750mm) Providing and fixing 38mm thick plywood top with 1.0mm thick laminate finish in approved shade with 38mm vertical gables made by 18mm thick plywood with 1.0mm thick laminate finish in approved shade as per detail drawing. All exposed edges covered with wooden beading with melamine polish in approved shade. The Table shall have concealed type electrical box for power & data with telephone connection on box type apron. The Table top shall have cable manager. Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in-charge.	0.00	0	Nos.	0.00
438	1.00	Conference Table-2 (Size: 3000mmx1200mmx750mm) Providing and fixing 38mm thick plywood top with 1.0mm thick laminate finish in approved shade with 38mm vertical gables made by 18mm thick plywood with 1.0mm thick laminate finish in approved shade as per detail drawing. All exposed edges covered with wooden beading with melamine polish in approved shade. The Table shall have concealed type electrical box for power & data with telephone connection on box type apron. The Table top shall have cable manager. Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in-charge.	0.00	0	Nos.	0.00
439	30.00	Conference Table-3 (Size: 600mm(w) x 750mm(h)) Providing and fixing 38mm thick plywood top with 1.0mm thick laminate finish in approved shade with 38mm vertical gables made by 18mm thick plywood with 1.0mm thick laminate finish in approved shade as per detail drawing. All exposed edges covered with wooden beading with melamine polish in approved shade. The Table shall have concealed type electrical box for power & data with telephone connection on box type apron. The Table top shall have cable manager. Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in-charge.	0.00	0	Rmt	0.00
440	141.00	Side credenza (Size: 900mm x 400mm x 750mm) Providing and fixing Side Credenza with 18mm thick plywood box frame work. The shutters shall be 18mm thick plywood with outside 1.0mm thick and inside 0.8mm thick laminate finished with expose edge having wooden bidding in approved shade melamine polish in approved shade. The vertical and horizontal exterior surface of plywood shall be laminate finish outside 1.0mm inside 0.8mm thk. laminate finish in approved shade. The shutter shall have Auto hinges for Left or Right side opening. The plywood used shall be of MR grade. All edge beading should be in wood and matching to the selected laminates with magnet, lock, Auto hinges. Including all materials and labour etc. complete as per instruction of engineer-in-charge and consultant.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
441	9.00	Side credenza (Size: 1200mm x 450mm x 750mm) Providing and fixing Side Credenza with 18mm thick plywood box frame work. The shutters shall be 18mm thick plywood with outside 1.0mm thick and inside 0.8mm thick laminate finished with expose edge having wooden bidding in approved shade melamine polish in approved shade. The vertical and horizontal exterior surface of plywood shall be laminate finish outside 1.0mm inside 0.8mm thk. laminate finish in approved shade. The shutter shall have Auto hinges for Left or Right side opening. The plywood used shall be of MR grade. All edge beading should be in wood and matching to the selected laminates with magnet, lock, Auto hinges. Including all materials and labour etc. complete as per instruction of engineer-in-charge and consultant.	0.00	0	Nos.	0.00
442	7.00	Side credenza (Size: 1000mm x 400mm x 750mm) Providing and fixing Side Credenza with 18mm thick plywood box frame work. The shutters shall be 18mm thick plywood with outside 1.0mm thick and inside 0.8mm thick laminate finished with expose edge having wooden bidding in approved shade melamine polish in approved shade. The vertical and horizontal exterior surface of plywood shall be laminate finish outside 1.0mm inside 0.8mm thk. laminate finish in approved shade. The shutter shall have Auto hinges for Left or Right side opening. The plywood used shall be of MR grade. All edge beading should be in wood and matching to the selected laminates with magnet, lock, Auto hinges. Including all materials and labour etc. complete as per instruction of engineer-in-charge and consultant.	0.00	0	Nos.	0.00
443	103.00	Linear Workstation/counter (Size: 600mm Wide x 750 Height) Providing and fixing Cluster (Linear Workstation) as per drawing, Framing the skeleton with 18mm+18mm = 36mm thick vertical and horizontal plywood patti both side cover with 6mm for grooving design and finishing with selected laminate. Before installation, make hole/face plate for conduit pipes of electrical/networking cables with openable stud from horizontal partition. The Vertical support of 18mm+18mm thick double plywood cover with 1mm laminate finish including teakwood bidding on exposed edges with melamine polish. The 38mm thick plywood with laminate finish top, fixed with necessary hardware, including suspended metal keyboard-mouse tray fixed with telescoping channel, cable manager and separate drawer with lock, telescoping channel and box, made from 18mm plywood with 1mm outside and 0.8mm inside laminate as well as 18mm post forming Outside of shutter with Auto hinges of standard make for Left or Right side.	0.00	0	Rmt.	0.00
444	552.00	Laboratory Furniture Wall face (750mm wide x 750 Height) with Storage Work top in 18 ± 1 mm thick Black Granite. 2) storage module with shutter. 3) Worktop mounted electrical raceway in GI material with powder coated. 4) Electrical sockets and switch / Tiny Trip (5 amp. plug switch and 15 amp. plug and switch). 5) Filler Panel in G.I.	0.00	0	Rmt	0.00
445	32.00	Lab Table - Corner Type (1000mm wide x 750 Height) 1) Work top in 18 ± 1 mm thick Black Granite construction - 0.1.06 Sqmt. 2) C-Frame Structure in 60 x 30 x 2 mm thk hollow pipe construction 3) Corner storage module with shutter. 4) Single piece moulded PP sink (L 560 x W 355 x D 230). 5) Worktop mounted one way water tap with swan neck spout. 6) Filler Panel in G.I.	0.00	0	Nos	0.00
446	184.00	Lab Stool (Approx Size - 600 mm X 600 mm X 950 mm) Providing & supplying Lab Stool as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	0.00	0	Nos	0.00
447	10.00	Center Table (Size: 1200mm x750mm x 375mm) Providing and fixing 12mm thick designer glass top supported with SS stud with 18mm thick plywood frame structure (shown in detail drawing) with 1.0mm thick approved laminate finish with nylon buffers and including all materials and labour etc. complete as per detail drawing and instruction of engineer-in-charge and consultant.	0.00	0	Nos.	0.00
448	23.00	Corner table (Size: 600mm x 600mm x 375 mm) Providing and fixing 12mm thick designer glass top supported with SS stud with 18mm thick plywood frame (shown in detail drawing) with 4mm thick approved veneer finish with melamine polish. The Table shall have nylon buffers for bottom for smooth movement and including all materials and labour etc. complete as per detail drawing and instruction of engineer-in-charge and consultant.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
449	10.00	Sofa 1 seater (Size: 900mm x 900mm x 750mm) Providing and fixing Sofa structure made from 18mm hard ply wood supported with maranti Solid wood, back side and curved part Covered with 3mm flexi ply , sofa arm made from 12mm thick hard plywood supported with maranti solid wood . 75mm board & 2.25 mm thick elastic webbing stapling in seat frame at 100mm centre to centre distance, belt fasten in x & y axis of seat, elastic belt elongation 45% tensile strength 350 kg.100mm x 40 density polyurethane block foam covered with 25mm x 32 density super soft polyurethane Foam for soft touch filling in seat.50 mm x 32 density polyurethane block foam covered with 25mm x 32 density super soft polyurethane foam for soft touch filling in backstitching work done with well known German brand (Aman / Gurtamen) Thread. Nylon & polyester thread used as per application.SS 202 Grade used in sofa leg & leg sofa frame with mirror finish look.Aluminum pressure die casted leg with mirror finish. Wooden leg and frame made from Ghana special teak wood with melamine finish. ALL SOFAS HAVE STANDERD SIZE CUSTMIZATION NOT AVAILABLE. This item to the satisfaction of the engineer-in charge and consultant. Complete as per instruction as directed by site in-charge or architect.	0.00	0	No	0.00
450	22.00	Two seater Sofa (Size: 1500mm x 900mm x 750mm) Providing and supplying the sofa will be total prepared in 18mm plywood. Then Z-Section spring use and on top 4"0' rubber cushion and top 25mm thick and 32 density U-Foam finished with leather rexin as per selected sample. The back support fitted with 2"0' rubber cushion with 25mm U-Foam with 32 density appropriate 3"angle support. All finished with cloth fabric of basic cost Rs. 500 per sqmt. as selected by the architect or engineer-in-charge. Handle and footing support shall be finished in Teak wood with melamine finished as shown in drawing. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.	0.00	0	No	0.00
451	20.00	Three seater Sofa (Size: 2100mm x 900mm x750mm) Providing and supplying the sofa will be total prepared in 18mm plywood. Then Z-Section spring use and on top 4"0' rubber cushion and top 25mm thick and 32 density U-Foam finished with leather rexine as per selected sample. The back support fitted with 2"0' rubber cushion with 25mm U-Foam with 32 density appropriate 3"angle support. All finished with cloth fabric of basic cost Rs. 500 per sqmt. as selected by the architect or Engineer-in-charge. Handle and footing support shall be finished in Teak wood with melamine finished as shown in drawing. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.	0.00	0	No	0.00
452	13.00	High back chair (Approx Size - 530 mm X 570 mm X 1200 mm) Providing & supplying High back chair as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	0.00	0	No	0.00
453	445.00	Medium back chair Providing & supplying Medium back chair as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	0.00	0	No	0.00
454	593.00	Low back chair Providing & supplying Low back chair as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	0.00	0	No	0.00
455	10.00	WAITING CHAIR(Approx Size - 1750 mm X 650 mm X 800 mm) Providing & supplying chair as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	0.00	0	No	0.00
456	385.00	Seminar Hall chair - Fix medium back(Approx Size - 480 mm X 480 mm X 1200 mm) Providing & supplying chair as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	0.00	0	No	0.00
457	912.00	Bench for Class room Three Seater (Size: 1800mm x 940mm x 775mm) Providing & Supplying Table structure made from 25mmx25mm MS tube finish with powder coated. The Bench seating & writing wooden desk finish with lacquer polish. The desk shall be fitted on MS structure with necessary hardware. The wood to be used 38mm thick and good quality complete as per detail drawing. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge.	0.00	0	Nos	0.00
458	204.00	Library Seating: Providing reading hall seating (Fixed chair) made of 19 mm dia or higher MS pipe structure finish with 15 micron powder coated in approved shade. Made of 12mm moulded ply with laminate in seat & back the seat shall be fixed with MS bracket for moulded system type as per design drawing. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge.	0.00	0	Nos	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
459	609.00	Auditorium chairs (Approx Size - 550 mm X 680 mm X 950 mm) Supplying and placing of auditorium chairs having, Centre to centre distance-560/585MM, Back Height-950 ± 10 MM from floor, Seat Height-475 ± 10 MM from floor. Seat Depth-750 ± 10 MM. Seat and Back Description:- i. Push back reclined chair. Back should recline for better comfort for the user. ii. Auto Tip-up cushion.iii. Sliding mechanism with metal ball and roller cage. iv. Arm-rest to Armrest (centre dist.): 22 (inches). v. PPCP-injection moulded/Thermoform plastic. Housing for Cushion & Backrest. vi. All sheet metal parts with powder coated vii. Arm-rest with cup-holder of PPCP injection moulded with skin integral pad/or skin integral Armrest. viii. Seat numbering on tip-up portion. ix. Row numbering for seats along the aisles. x. Provision for lights on sides for seats along the aisles. The power points to be provided by the customer. Frame - Back and cushion frame of ERW Tube/IS :307 1976 GRADE, Polyurethane Foams - Made out of High resilience foam with the following properties. (IFD) Indentation: Force Deflection 25% 21.5 Kg/cm. Tensile strength 2.0 Kg/cm. Tear strength 1.0 Kg/cm. Resilience 60%. i. Density: 50 + 5 Kg/M3/JIS K 6401. ii. Constant Compression Set: (Max. 13%) JIS K 6401. Spring-i. For Auto Tip-up - Torsion Spring/ Spring Steel IS : 4454 1981 GRADE 3 (Part i) ii. For Push Back mechanism-Coil Spring/Spring Steel IS : 4454 1981 GRADE 2 WING COMPONENTS-HRCA/CRCA Sheet Metal/IS : 1079 1994 Type O. a)Wing frame 'C' Channel or Rectangular Frame. b) Side wing frame with plywood. with upholstery. c) Slider-Proprietary item. 55m travels. with metal ball and roller cage. Back & Cushion Housing-PPCP IS: 10915 1994./Injection Moulded/Thermoform Plastic. The chair at end of the rows shall have low intensity LED foot light with raw and seating indicator. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in-charge.	0.00	0	Nos	0.00
460	52.00	Tablet Chair (Approx Size - 460 mm X 460 mm X 750 mm) Providing & supplying Tablet chair PU ARM rest, P.U. MOULD CUSHION in seat & Foam back. 16 GAUGE CRC with insert support powder coated pipe frame structure (with writing pad). The Chair shall have Pad Size of 370mmx270mm. This item to the satisfaction of the engineer-in-charge and consultant. complete as per instruction as directed by site in-charge or architect.	0.00	0	Nos	0.00
461	288.00	Full ht. storage (Size: 400mm Depth) Providing and fixing full ht. storage with 18mm thick plywood box frame work. The shutters shall be laminate finished with expose edge having wood beading in approved shade melamine polish. The vertical and horizontal exterior surface of plywood shall be laminate finish outside 1.0mm inside 0.8mm thk. laminate finish. The shutter shall have Auto hinges for Left or Right side opening. The plywood used shall be of MR grade. All edge beading should be in wood and matching to the selected laminates with magnet, lock, Auto hinges. Including all materials and labour etc. complete as per instruction of Engineer-in charge and consultant.	0.00	0	Sq.m	0.00
462	341.00	Half ht. storage (Size: 400mm Depth) Providing and fixing half ht. storage with 18mm thick plywood box frame work. The shutters shall be laminate finished with expose edge having wood beading in approved shade melamine polish. The vertical and horizontal exterior surface of plywood shall be laminate finish outside 1.0mm inside 0.8mm thk. laminate finish. The shutter shall have Auto hinges for Left or Right side opening. The plywood used shall be of MR grade. All edge beading should be in wood and matching to the selected laminates with magnet, lock, Auto hinges. Including all materials and labour etc. complete as per instruction of Engineer-in charge and consultant.	0.00	0	Sq.m	0.00
463	87.00	Glass shutter storage (Size: 400mm Depth) Providing and fixing full ht. Glass storage with 18mm thick plywood box frame work & 8mm thick Glass. The shutters shall be laminate finished with expose edge having wood beading in approved shade melamine polish. The vertical and horizontal exterior surface of plywood shall be laminate finish outside 1.0mm inside 0.8mm thk. laminate finish. The shutter shall have Auto hinges for Left or Right side opening. The plywood used shall be of MR grade. All edge beading should be in wood and matching to the selected laminates with magnet, lock, Auto hinges. Including all materials and labour etc. complete as per instruction of Engineer-in charge and consultant.	0.00	0	Sqm	0.00
464	50.00	Metal shelving rack(size : 900mm x 450mm x 2100 mm) Providing & supplying Metal shelving rack as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	0.00	0	No	0.00
465	58.00	Pantry / kitchen Below Platform Storage 600mm wide Providing and fixing Pantry below storage with 18mm thick plywood box frame work. The shutters shall be laminate finished with expose edge having wood beading in approved shade melamine polish. The vertical and horizontal exterior surface of plywood shall be laminate finish outside 1.0mm inside 0.8mm thk. laminate finish. The shutter shall have Auto hinges for Left or Right side opening. The plywood used shall be of MR grade. All edge beading should be in wood and matching to the selected laminates with Nail, Sqrew, Abrotap, Multipurpose lock, Telescopic channel, Auto hinges, Stopper, Magnet . Including all materials and labour etc. complete as per instruction of Engineer-in charge and consultant.	0.00	0	Sq.m	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
466	38.00	Canteen Table (Size: 1800mm x 900mm x 750mm) Providing & supplying Canteen Table as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	0.00	0	Nos.	0.00
467	152.00	Canteen Chairs (Inside) Providing & supplying Canteen Chair as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	0.00	0	Nos.	0.00
468	228.00	Single Bed : Size of entire structure (6'-10" X 3'-2" X 2'-9" (L x W x H) Vertical & Horizontal Structure Wall thickness 1.2mm CRC Square Tube Size: 2" X 1", Other Structure Support Wall thickness 1.2mm CRC Square Tube Size: 1" X 1", Wooden Back Support 6" x 0.75" Teak Wood Section , Wooden Leg Side members 3.5" x 0.75" Teak Wood Section Wooden Legs Dia. 1.5" Teak Wood Section Metal Coating Powder Coated Ply 18mm ISI Standard Ply Oil Painted Powder Coating Black or as per selection Wood Furniture Polishing French Polishing Minimum Thickness of powder coating 7 Micron Type of welding Mig Welding as per detail dwg.	0.00	0	nos	0.00
469	342.00	Providing & Supplying Table structure made from 18mm thick plywood of MR grade. The Top shall be 38mm thick and 600mm width & Vertical gable shall be 38mm as show in drawing. The skeleton framing with 19mm + 19mm = 38mm thick vertical and horizontal plywood patta both side cover with 6mm plywood as per design and finishing with selected laminate. Before installation, make hole/face plate for conduit pipes of electrical/networking cables with openable stud from horizontal partition. Vertical support of 19mm + 19mm = 38mm thick double plywood cover with 1mm laminate finish including teakwood bidding on exposed edges with melamine polish. Fitted 38mm thick plywood laminated top, fixed with metal clamps including suspended metal keyboard mouse tray fixed with telescoping channel, cable manager. Providing and fixing of soft board (12mm thick) finished with tapestry of good quality (min. of Rs. 200/mtr.) in front of seating. The Keyboard tray is made up of 0.8mm thick CRCA Steel and should be running on telescopic channel. The CPU trolley made from 0.8mm to 1mm thick CRCA steel sheet. The width of the trolley can be varied for accommodating various widths of CPUs; The trolley is mounted on lockable castors. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in-charge. (Table depth - 600mm)	0.00	0	RMT	0.00
470	228.00	Wooden Metal Chair with Arm: Size of entire structure (1'-7" X 1'-7.5" x 3'-0" (L x W x H) Vertical and Horizontal Structure Wall thickness 1.1mm CRC Square Tube Size: 1.5" X 0.75" Other Structure Support Wall thickness 1.1mm CRC Square Tube Size: 0.75" X 0.75" MS Seat and Back Support 0.75" X0.125" MS Flat Wooden Seat 2.75"X1.0" Teak Wood Section Wooden Back 2.75"X 0.5" Teak Wood Section Wooden Arm Rest 1.75"X 1.5" Teak Wood Section Metal Coating Powder Coated Powder Coating Black or as per selection Wood Polishing French Polishing Minimum Thickness of powder coating 7 Micron Type of welding Mig Welding as per detail dwg.	0.00	0	nos	0.00
471	9.00	Service Platform (Size: 11000mm x 600mm x 750mm) Providing and fixing Serving counter shall have 38mm thick top made of 18mm thick plywood finished with laminate approved shade, made out of 18mm thick plywood with exterior side laminate and interior side 0.8mm approved laminate finish. The Drawer unit box (measurement shown in drawing) with wooden bidding Patti, lock and telescopic channel should be made from 18mm plywood with laminate outside and 0.8mm inside laminate as well as 18mm Outside of shutter with Magnet, Multiple drawer lock & Auto hinges. Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge.	0.00	0	Smt.	0.00
472	18.00	Under Platform storage (For Wash basin) providing and fixing under counter storage with 2"x1.5" teak wood frame all melamine polished in approved shade. The shutters shall be made of Marine grade plywood finish with 1mm thick Laminate in approved shade as per design. All expose edge having wood beading in approved shade Melamine polish. The plywood used shall be of Marine grade. The rate shall including all materials like Plywood, teak wood, 4mm thick Decorative Veneer, 0.8mm thick laminate, Nail, Screw, Abrotap, Multipurpose lock, Telescopic channel, Auto hinges, Stopper, Magnet and labour etc. complete as per detail drawing and instruction of engineer-in charge.	0.00	0	Smt.	0.00
473	1.00	KITCHEN EXHAUST SYSTEM WITH HOODS, DUCTING, CENTRIFUGAL BLOWER UNIT, ETC. As per the details provided in the reference drawing and as instructed by the consultant; comprising of a Triangle Hood with overall dimension 138"x18"x24" to be fixed on the wall at an appropriate height above the cooking range. The oil filters made of frame of 18 Swg stainless steel 18 Swg Stainless Steel baffle Filters. The hoods and the ducting made of 22 Swg Stainless Steel sheets connected to the Centrifugal Blower Unit with 5.0 HP 3 ph Crompton Make Electric Motor. Duct size would be 24" x 24" of approximate length of 30'. Motor starter, panel board, wires and other accessories are included. The rate shall be inclusive of all necessary loading, unloading, transportations, all state & central taxes as applicable, protecting the instruments till handing over, testing & commissioning etc. complete.	0.00	0	Job.	0.00
FIRE FIGHTING WORK						
1. PUMP ROOM						

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
474	3.00	Main hydrant pump : Supply, installation, testing & commissioning of Electric motor driven fire water pump for hydrant system of 137 m ³ /hr @ 8.0Kg/cm ² (g) discharge pressure,with the TEFC motor, common base plate, coupling, coupling guard, power & control cables, foundation bolts, earthing along with all accessories & supporting arrangement to complete the pump set etc. complete as per specifications for hydrant system.	0.00	0	Nos	0.00
475	1.00	Diesel pump : Supply, installation, testing & commissioning of diesel Engine driven stand by pumps, horizontal centrifugal End suction type with gland packing and cables etc, to deliver 137 m ³ /hr @8.0 Kg/cm ² (g).complete with coupling, foundation bolts, coupling guard, Residential grade exhaust, cooling piping etc. complete as per specifications. The pumpset should be suitable for parallel operation with the other pumpsets. The power derating should consider the altitude and temperature factor of the site and have the base power higher of the following two factors - (the power required to drive the pumpset at its duty point or the power required to drive the pumpset at 150% of its rated discharge). The pump shall coupled to suitable KW of Diesel engine of radiator water cooled type and complete set shall be mounted on common base frame. The Diesel Engine shall be complete with a battery charger panel complete with boost and trickle charging facility, auto-manual selector switch, two sets of maintenance free Lead Acid Batteries, (Batteries to be of sufficient Ampere Hour to be adequate for 10 consecutive starts without recharging with a cold engine under compression) & battery leads with stand. The battery charger could be part of the Power Distribution Board below. Cost to include the fill of diesel and all consumables until handing over..	0.00	0	Nos	0.00
476	1.00	Supply and installation of day diesel storage tank fabricated from 3 mm thick M.s plates. Tank shall be provided with inlet, outlet, overflow, air vent, drain connections, fuel piping with valves,filling connection and megnetic level indicator. Tank shall be mounted on a suitable steel structure (painted with 2 coats of red oxide paint). tank shall be provided with epoxy coat from inside & two or more coats of synthetic enamel paint outside over two coats of red oxide primer,complete in all respect. Capacity --990 ltrs Following points to be included in diesel pump: a) 20Amps DPMCB - 1 Nos. b) Battery charger with transformer with rectifier resistance DC ammeter, DC voltmeter, Trickle / booster / off selector switch - 1 Nos. c) 1 set of indicating lamps for the following : 1. phase indication, 2. battery charger on, 3. over load relay, 4. DC supply on, 5. control switch on, 6. Engine fails to start, 7. Pump on, 8. Low oil pressure, 9. High water temperature, 10. Auto manual selector switch d) 1 sets of push button stations for the following : 1. Engine Start, 2. Engine Stop, 3. Engine - hooter ACK, 4. Engine - fault reset e) Selector switches (Engine control, mode selector)-1 No. f) Auxiliary relays / contactors / timer for sequence operating for starting and stopping of the engine - 1 set. g) Hooter for audio alarm (Industrial type) - 1 No. All the components shall be housed in a common cubical made of 16 swg. MS sheet with required stiffeners (if required). The panel shall be powder coated of approved colour both inside & out side. The panel shall have both bottom & top cable entry provisions and panel shall be mounted on Pedestal of 300 mm height. Also panel shall have sufficient NO/NC contacts for extending the status(annunciation) of fire pumps to the Fire alarm panel.	0.00	0	Nos	0.00
477	1.00	Jockey pump : Supply, installation, testing & commissioning of Electric motor driven fire water Jockey pump of 10.8 m ³ /hr @ 8.0 Kg/cm ² (g) discharge pressure, with the motor, common base plate, coupling, coupling guard, cables, foundation bolts earthing along with all accessories & supporting arrangement to complete the pump set etc. complete as per specifications	0.00	0	Nos	0.00
478	1.00	Fire fighting systemPanel (for Hydrant & Sprinkler system) : Supplying of electric motor control panel as per spec. & as per requirement for the operation of the pumps along with the Suitable power cabling & Control cabling from the pumps to control panel and earthing with inter locking alarm and indicating lamps etc. for electric pump & jockey pump complete.	0.00	0	Set	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
479	1.00	<p>Cables : Supply, Unloading, Laying, Testing and Commissioning of 1.1KV Grade XLPE/PVC insulated copper/aluminium conductor steel of armoured/unarmoured power cables as per the specs. Laying of Cables in horizontal/vertical formation on cable trays, supported along RCC/steel structures, pipe racks and cable supports provided, include unloading, shifting up to site at various location/levels, unpacking & inspection. The scope includes clamping of cables by readymade G.I. spacers, saddles or clamps fabricated out of MS strip 3 mm thick along vertical runs and wherever specified, cutting of the cable as per actual measurement/cable schedule, Treasing and Clamping of Cable on cable tray, supply of all clamping materials and hardware etc., providing cable tags made out of aluminium strip and 75x20 mm in size with cable number and size punched on it. Cable tags shall be tied to cables at every 20 meter interval and at both the ends. Supports provided for clamping of cables up to individual motors and push-buttons shall be paid extra as per item rate for MS fabrication work.</p> <p>Unused cables & Empty cable drums shall be returned to stores. In case of laying unlisted cables, rate of cable whose outer dia is closest to the cable sizes quoted shall be applicable. The same shall hold good for cable termination also. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes, along/on the wall/metallic partition etc.</p> <p>1.5 mm² x 4C CU Armoured, FRLS, XLPE insulated Cable 1.5 mm² x 6C CU Armoured, FRLS, XLPE insulated Cable 2.5 mm² x 3C CU Armoured, FRLS, XLPE insulated Cable 150 mm² x 3C AL Armoured, FRLS, XLPE insulated Cable 240 mm² x 3.5C AL Armoured, FRLS, XLPE insulated Cable</p>	0.00	0	Lot	0.00
480	8.00	<p>GI LADDER & PERFORATED TYPE CABLE TRAYS & COVERS : Supply, Installation in horizontal & vertical formation of prefabricated perforated/ ladder type hot dipped GI cable trays different widths and delivered in standard lengths along with Coupler plates and requisite number of hardware, at different levels along pipe rack, ready made cable trenches, cable cellar, etc., in tier formation as per specifications, drawings, standard engineering practice and as per the direction of Engineer-In-Charge. The Contractor's scope is inclusive of lifting & placing of trays on supports at different levels, aligning, joining of trays with couplers, clamping/ fastening of supports to the RCC/METALIC structure & clamping /fastening of cable tray to the support of the vertical portions and wherever required as per specs/ drawings, all the necessary bends (horizontal/ vertical), tees, cross, elbows, reducers, etc., as shown in the drawing and as per the site.</p> <p>Rate is inclusive of all the installation accessories like couplers, nut, bolts, anchor fastners etc</p> <p>Cable Tray 300mm wide cable tray perforated type (1.6 mm thick & 50 mm high collar)</p>	0.00	0	Mtrs.	0.00
481	16.00	...do... 150mm wide cable tray perforated type (1.6 mm thick & 50 mm high collar)	0.00	0	Mtrs.	0.00
482	2.00	<p>Air Cushion Tank (Air vessel) : Supplying and installing, testing & commissioning of Air Cushion Tank complete in all respect. Air Cushion Tank shall be provided inside fire pump house connected to main header of fire pumps and shall be fabricated out of 10 mm thick M. S. Sheet. The ends shall be dished. This shall be of 300 mm. dia, 1.5 m. high and installed vertically on suitable legs. The legs shall be provided with M. S. Plate of size 75 mm x 75 mm x 5 mm at the bottom. The legs shall be grouted in RCC foundation. Flange connection shall be provided for connection with header pipe. Air release valve and pressure gauge with isolation valve shall be provided. Drainn valve and shut-off valve also to be provided The Air cushion tank shall be tested twice working pressure before installation.</p>	0.00	0	No.	0.00
483	8.00	Pressure gauge : Glycerine filled Pressure Gauge, 0-16 Kg/cm ² , 15 NB with isolation valve.	0.00	0	Nos	0.00
484	6.00	Pressure Switch : Supplying, installing, testing and commissioning of pressure switches with tubing, isolation valves, control cabling up to panel etc. complete as per specifications	0.00	0	Nos	0.00
485	3.00	Air release valve : Supply, Installation, testing and commissioning (SITC) of Auto Air Release valve of 25mm NB suitable for pressure not less than 15 Kg/Sq.cm.	0.00	0	Nos	0.00
486	10.00	<p>Above ground (A/G) piping : Supply, Installation, Testing and Commissioning of Above ground Hot Dip Galvanized 'MS ERW pipes (C class /heavy grade) confirming to IS 1239 up to 150 mm dia & IS 3589 for 200mm dia & above, Including Cutting, Threading, X-ray quality Welding etc. and providing all fittings e.g. Elbows, Reducers, Clamps, Hangers, Flanges (confirming to class ASA 150 commercial), Gaskets, Nuts, Bolts & Washers etc. Including Painting Of Pipes & Fittings with P.O. Primer, both of approved Quality & shade including cutting holes & chases in brick or RCC walls/slabs, fixing on earth by suitable supports & Rubber padding to be provided on each pedestals Hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc.</p> <p>complete with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge, in all respect as required & up to the satisfaction of Engineer Incharge. (REFER DOCUMENT NO. FF-00-D01)</p> <p>Fittings shall be forged ASTM A105 3000# SOCKET WELD TYPE BELOW 50 mm and seamless ASTM A234 butt weld type for 50 mm & above. Flanges shall be forged A105 150# 200 NB</p>	0.00	0	Mtrs.	0.00
487	20.00	...do... 150 NB	0.00	0	Mtrs.	0.00
488	12.00	...do... 100 NB	0.00	0	Mtrs.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
489	12.00	...do... 80 NB	0.00	0	Mtrs.	0.00
490	20.00	...do... 65 NB	0.00	0	Mtrs.	0.00
491	12.00	...do... 50 NB	0.00	0	Mtrs.	0.00
492	12.00	...do... 32 NB	0.00	0	Mtrs.	0.00
493	20.00	...do... 25 NB	0.00	0	Mtrs.	0.00
494	2.00	Butterfly Valve : Supply , Installation, Testing & Commissioning of Butterfly Valve of following sizes including nut, bolts, compressed asbestos, gasket, companion flange etc.complete with all accessories. 200 NB	0.00	0	Nos.	0.00
495	8.00	...do... 150 NB	0.00	0	Nos.	0.00
496	2.00	...do... 100 NB	0.00	0	Nos.	0.00
497	4.00	...do... 80 NB	0.00	0	Nos.	0.00
498	1.00	Y-Type Strainer : Supply & Installation, Testing & Commissioning (SITC) of C.I.'Y' strainer with bronze perforated sheet basket including rubber gasket, flanges, nuts, bolts and washers, complete as required. 80 NB	0.00	0	Nos	0.00
499	4.00	...do... 200 NB	0.00	0	Nos	0.00
500	2.00	C.I. Non - Return Valve : Supply & Installation, Testing & Commissioning (SITC) of C.I. Swing Check valve of rating PN 1.6 rating including providing necessary rubber gasket, flanges, union, nuts, bolts, washers & painting etc. complete as required. 200NB	0.00	0	Nos	0.00
501	3.00	...do... 150NB	0.00	0	Nos	0.00
502	1.00	...do... 80 NB	0.00	0	Nos	0.00
503	2.00	Ball valve (VB) : Supply & Installation, Testing & Commissioning (SITC) of forged brass ball valve with forged brass ball (suitable for test pressure of not less than PN 1.6 of the following size including providing necessary union / flange, nuts, bolts, washers, etc and painting etc complete as required. 50 NB	0.00	0	Nos	0.00
504	2.00	...do... 25 NB	0.00	0	Nos	0.00
505	14.00	...do... 15 NB	0.00	0	Nos	0.00
506	4.00	Expansion bellows (Single arch type) : Supply & Installation, Testing & Commissioning (SITC) of resilient rubber neoprene lined single arch vibration eliminators (water bellows) suitable for working pressure 8.8 kg/sq cm. and test pressure 16 kg/sq cm.including providing necessary rubber gaskets, flanges, nuts, bolts and washers complete as required. 150 NB	0.00	0	Nos	0.00
507	2.00	...do... 80 NB	0.00	0	Nos	0.00
508	680.00	Supplying, fabricating, structural steel supports such as MS channels, angles, flats, rods, insert plates, chequered plate, hand railing & ladder as required at site with anchor fasteners, etc. complete with painting.	0.00	0	Kg	0.00
509	1.00	Exhaust piping with insulation : Supply & Installation, Testing & Commissioning (SITC) of exhaust piping with mineral wool insulation with aluminum sheeting from diesel engine to safe location along with structural supports. (Exhaust pipe MOC, size to be consider as per pump mfg. recommendation.)	0.00	0	Nos.	0.00
2. FIRE HYDRANT SYSTEM - EXTERNAL HYDRANT SYSTEM (Production block)						
510	125.00	Under ground (U/G) piping : Supply, Fabrication, Erection & commissioning of Hot Dip Galvanized MS ERW "Heavy" class pipes confirming to IS 1239/3589 with necessary fittings like reducers, Tees, Bend (Confirming to IS 1239) Flanges(confirming to class ASA 150 commercial) With suitable type of supports ,Nut Bolts, clamps, Gaskets , etc including cutting, X-ray quality welding, Testing including consumables for HYDRANT SYSTEM. The Pipes to be laid underground with 75mm sand bedding, with supply of sand & laying below the pipe, Rates shall include excavation, sand bedding ,backfilling of the excavated including installation of heavy pipe fitting's, flanges, structural pipe supports, civil pipe supports etc. Hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc., complete with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge, in all respect as required & up to the satisfaction of Engineer Incharge.Coating and Wrapping for Underground lines with 4 mm thick readymade anticorrosive tapes as per as per IS: 10221/BS 4164:2002, complete as required etc. for 150 NB	0.00	0	Mtrs.	0.00
511	50.00	...do... 100 NB	0.00	0	Mtrs.	0.00
512	60.00	Above ground (A/G) piping : Supply, Installation, Testing and Commissioning of Above ground Hot Dip Galvanized MS ERW pipes (C class /heavy grade) confirming to IS 1239 up to 150 mm dia & IS 3589 for 200mm dia & above, Including Cutting, Threading, X-ray quality Welding etc. and providing all fittings e.g. Elbows, Reducers, Clamps, Hangers, Flanges (confirming to class ASA 150 commercial), Gaskets, Nuts, Bolts & Washers etc. Including Painting Of Pipes & Fittings with P.O. Primer, both of approved Quality & shade including cutting holes & chases in brick or RCC walls/slabs, fixing on earth by suitable supports & Rubber padding to be provided on each pedestals Hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc. complete with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge, in all respect as required & up to the satisfaction of Engineer Incharge. for 200 NB	0.00	0	Mtrs.	0.00
513	475.00	...do... 150 NB	0.00	0	Mtrs.	0.00
514	16.00	...do... 100 NB	0.00	0	Mtrs.	0.00
515	18.00	...do... 80 NB	0.00	0	Mtrs.	0.00
516	6.00	...do... 25 NB	0.00	0	Mtrs.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
517	2.00	Butterfly Valves : Supply , Installation, Testing & Commissioning of butterfly isolation Valve of following sizes including nut, bolts, compressed asbestos, gasket, companion flange etc.complete with all accessories. 200NB	0.00	0	Nos.	0.00
518	12.00	...do... 150NB	0.00	0	Nos.	0.00
519	5.00	...do... 100 NB	0.00	0	Nos.	0.00
520	6.00	...do... 80NB	0.00	0	Nos.	0.00
521	4.00	...do... 50NB	0.00	0	Nos.	0.00
522	5.00	G.M. Air Release Valve 25 mm with isolation valve : Supplying , Installation , Testing and Commissioning (SITC) of Auto Air Release valve of 25mm NB suitable for pressure not less than 15 Kg/Sq.cm.(REFER DOCUMENT NO. FF-00-D02)	0.00	0	Nos.	0.00
523	16.00	Hydrant post & valve : Supply, Installation, testing and commissioning (SITC) of SINGLE HEADED external Hydrants confirming to IS 5290/BS 5041 (Type "A") (Type "A") Hydrant valve shall be Gun metal single outlet having 63NB. Outlet shall be oblique female instantaneous type coupling of GM having spring loaded lugs; internal parts shall be of copper or Gun metal. A cap with chain shall be provided on the outlet of the valve. Stand post of 80 NB of suitable length, complete as required. (REFER DOCUMENT NO. FF-00-D02)	0.00	0	Nos.	0.00
524	16.00	Branch Pipe : Providing and Fixing 63 NB instantaneous pattern branch short gunmetal pipe, 20 NB nozzle conforming to conforming to IS 903/BS STD, suitable for inter connection to hose pipe coupling complete as required. (REFER DOCUMENT NO. FF-00-D02)	0.00	0	Nos.	0.00
525	26.00	Hose : Supply, Installation, testing and commissioning (SITC) of RRL (Reinforced Rubber Lined Type -B as per IS:636)/BS 336) fire hose pipe of 63 NB and 15 meter length rated for burst pressure of 35.7 Kg/sqcm. The hose shall be tested for flame resistance test in accordance to IS std . Hose shall be complete brass male & female coupling bound & riveted to hose pipe with copper rivets & 1.5 mm copper wire (Location : External fire hydrant). (REFER DOCUMENT NO. FF-00-D02) - 15 Mts. Length	0.00	0	Nos.	0.00
526	14.00	MS Cabinets : Supplying, Installation ,Testing and Commissioning (SITC) of Weather proof cabinet fabricated from 16 gauge M.S. Sheet with Double glazed door having locking arrangement ,painted "fire Red" with powder coated paint "Fire Hose" written on front including suitable supports to Place 900 mm above ground level ,approximately size 750 x 600 x 250 mm deep (To house Two lengths of Canvas hose with coupling , branch pipe and nozzle and accessories which includes hammer and set of duplicate keys) for External Hydrants.(REFER DOCUMENT NO. FF-00-D02)	0.00	0	Set	0.00
527	3.00	Fire Brigade connection : Supply, Installation, testing and commissioning (SITC) of 4 way Cast Iron body fire brigade inlet breaching head as per IS:904 // Equivalent BS std Specification with 63NB instantaneous type inlet and 150mm dia flanged outlet with built-in check valve for fire brigade connection etc. complete with 150 NB Gate valve and 150 NB Non return valve.	0.00	0	Nos	0.00
528	2.00	Siamese Connection : Supply, Installation, testing and commissioning (SITC) of 4 Way Siamese Connection, with Isolation valve, complete (150 NB Body/Cover -CI) (REFER DOCUMENT NO. FF-00-D02)	0.00	0	Nos	0.00
3. Civil Works						
529	190.00	Excavation & Backfilling in soft soil	0.00	0	Cu. Mtr	0.00
530	150.00	Excavation & Backfilling in Hard soil	0.00	0	Cu. Mtr	0.00
531	120.00	Providing of support for Overground lines (Civil Brick work complete with Plaster of size 300 W mm x 300 L mmx 300 H mm)	0.00	0	Nos.	0.00
532	1000.00	Anchor fasteners for pedestal supports	0.00	0	Nos.	0.00
533	1000.00	STRUCTURE SUPPORT - ANGEL & CHANNEL	0.00	0	KG	0.00
534	155.00	BASE PLATE (12 mm thick)	0.00	0	KG	0.00
535	60.00	U clamps	0.00	0	kg	0.00
536	100.00	Concrete Hume Pipe 300 NB NP3	0.00	0	Mtrs.	0.00
537	65.00	Concrete Hume Pipe 200 NB NP3	0.00	0	Mtrs.	0.00
4. INTERNAL HYDRANT SYSTEM (Production block)						
HYDRANT ACCESSORIES,VALVES & PIPING ITEMS						
538	28.00	Supply, Installation, testing and commissioning (SITC) of internal Hydrants confirming to IS 5290 //BS 5041 (Type "A"). Hydrant valve shall be of Gun metal & single outlet having 80 NB flanged inlet. Outlet shall be oblique female instantaneous type coupling of gun metal having spring loaded lugs; internal parts shall be of copper or gunmetal. A cap with chain shall be provided on the outlet of the valve.	0.00	0	Nos	0.00
539	28.00	Supply, Installation, testing and commissioning (SITC) of 63 NB instantaneous pattern, Gun metal short branch pipe, 20 NB nozzle conforming to IS 903/BS STD, suitable for inter connection to hose pipe coupling complete as required.	0.00	0	Nos	0.00
540	60.00	Supply & installation RRL fire hose pipe type -A (as per IS:636 /BS 336)) of 63 NB and 15 meter length rated for burst pressure of 35.7 Kg/sqcm.The hose shall be tested for flame resistance test in accordance to IS:636 Std. Hose shall be complete with gun metal male & female coupling bound & riveted to hose pipe with copper rivets & 1.5 mm copper wire (Location : Internal fire hydrant).	0.00	0	Nos	0.00
541	32.00	Supplying Installation , Testing and Commissioning (SITC) of Cabinet for Internal Hydrants fabricated from 16 Gauge M.S. Sheet , with suitable supports, including 2 nos. Allen keys lock for locking and fully glazed Door , Powder coated red finish with " Fire Hose " written on front to accommodate hoses, branch pipe, spanner of size 750 x 600 x 250 mm deep.	0.00	0	Nos	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
542	31.00	Supplying , Installation , Testing and Commissioning (SITC) Of First-Aid-fire Hose reel wall mounting swinging type complete with Standard fire hose reel with 25 mm dia. High pressure rubber hose 30 mtINR Long with GM nozzle and control valve ,shutoff valve, all mounted on circular hose reel of heavy duty mild steel construction and cast iron brackets. Hose reel shall confirm to IS: 884 -1969/BS 5274 and rubber hose to IS : 5132 . Hose reel shall be connected directly to Wet Riser Hose reel shall be connected directly to Wet Riser.	0.00	0	Nos	0.00
543	4.00	Supplying , Installation, Testing and Commissioning (SITC) of Auto Air Release valve of 25mm NB suitable for pressure not less than 15 Kg/Sq.cm.	0.00	0	Nos	0.00
544	60.00	Pipe nipple suitable for hose reel for 19 mm. (ASA 150) - 25mm.	0.00	0	Nos.	0.00
5. FIRE SPRINKLER SYSTEM						
545	630.00	INTERNAL PIPING : Supply,Installation,Testing and Commissioning of Above ground 'Hot Dip Galvanized MS ERW pipes (C class /heavy grade) conforming to IS 1239 up to 150 mm dia & IS 3589 for 200mm dia & above , Including Cutting, Threading, X-ray quality Welding etc. and providing all fittings e.g. Elbows, Reducers, Flanges (confirming to class ASA 150 commercial), Gaskets, Nuts, Bolts & Washers etc. Including Painting Of Pipes & Fittings with P.O.Red Paint over a coat of ready Mixed Primer, both of approved Quality & shade as per IS-5, including cutting holes & chases in brick or RCC walls/slabs, fixing on earth by suitable structural supports & Rubber padding to be provided on each pedestals Hydrostatic testing for 2 hours at 150% of the system pressure, hook-up etc. complete with all accessories as per approved drawings, specification and direction of the Engineer-in-Charge, with all complete in all respect as required & up to the satisfaction of Engineer Incharge. 25 NB	0.00	0	Mtrs.	0.00
546	200.00	...do... 32 NB	0.00	0	Mtrs.	0.00
547	250.00	...do... 40 NB	0.00	0	Mtrs.	0.00
548	210.00	...do... 50 NB	0.00	0	Mtrs.	0.00
549	140.00	...do... 65 NB	0.00	0	Mtrs.	0.00
550	160.00	...do... 80 NB	0.00	0	Mtrs.	0.00
551	30.00	...do... 100 NB	0.00	0	Mtrs.	0.00
552	100.00	...do... 150 NB	0.00	0	Mtrs.	0.00
553	12.00	Pressure Gauge, 0 - 16 kg/cm2, 15NB with isolation valve	0.00	0	Nos.	0.00
554	122.00	Supply , Installation, Testing & Commissioning of ceiling level automatic sprinkler of following specification Standard Response, K-80, Upright Type @ 57 Deg	0.00	0	Nos.	0.00
555	400.00	...do... Standard Response, K-80, Pendent Type @ 57 Deg	0.00	0	Nos.	0.00
556	400.00	Stainless Steel Adjustable 2 piece style Escutcheon Plates suitable for above Sprinklers - Zinc chromate finish	0.00	0	Nos.	0.00
557	250.00	Sprinkler Flexible drop pipes made of Corrugated SS Tubing to with stand 16 Bar pressure with welded reducer on one end to directly accommodate sprinkler & female checknut on the other end to connect to the branch pipe with supports complete - 1000 mm long.	0.00	0	Nos.	0.00
558	2.00	Supply , Installation, Testing & Commissioning of Sprinkler alarm valve with all required accessories like water motor alarm, pressure guage, pressure switch, ball valve, etc complete. - 150 NB	0.00	0	Nos	0.00
559	2.00	Supply , Installation, Testing & Commissioning of Rising Stem Gate Valves (OS & Y type) with complete accessories of following sizes. - 150 NB	0.00	0	Nos	0.00
560	2.00	Supply , Installation, Testing & Commissioning of strainer with complete accessories of following sizes. - 150 NB	0.00	0	Nos	0.00
561	1.00	Supply , Installation, Testing & Commissioning of butterfly Valve with lockable arrangement of following sizes including nut, bolts, compressed asbestos, gasket, companion flanges, temper switch etc.complete with all accessories. 150 mm dia.(Gear operated)	0.00	0	Nos	0.00
562	2.00	...do... 100 mm dia.(Lever operated)	0.00	0	Nos	0.00
563	1.00	...do... 80 mm dia.(Lever operated)	0.00	0	Nos	0.00
564	8.00	Supply , Installation, Testing & Commissioning of Inspection & Test connection with sight Glass pressure gauge arrangement complete with all accessories. - 25 NB	0.00	0	Nos	0.00
565	2.00	Supply , Installation, Testing & Commissioning of Flow Switch with all complete required accessories - 150 NB	0.00	0	Nos	0.00
566	10.00	Supply , Installation, Testing & Commissioning of Ball Valve with all complete required accessories 50 NB	0.00	0	Nos	0.00
567	10.00	...do... 25 NB	0.00	0	Nos	0.00
568	400.00	Supply , Installation, Testing & Commissioning of MS Fabricated steel supports for pipes with primer 2 coats & 2 coats of enamel Black Paints Including following: ISMC 75 ISA 50x50x5 MS base plate (8 mm thick) Nuts & Bolts	0.00	0	Kg	0.00
569	2.00	Supply , Installation, Testing & Commissioning of G.M. Automatic Air Release Valve having pressure rating PN 16 with screwed inlet of 25mm dia with accessories. Air release valve avialble and Ball valve - 25 mm dia.	0.00	0	Nos	0.00
570	290.00	Hanger supports - Providing Support for Horizontal Pipe (U Clamp along with bolts,nuts & washer as per the Pipe Size)	0.00	0	kg	0.00
6. FIRE EXTINGUISHER SYSTEM						

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
571	16.00	SITC of Multipurpose DCP Type moduler Fire Extinguisher with valve, initial fill Powder (50% Mono Ammonium Phosphate(MAP), with wall bracket complete - 5 kg capacity. IS:15683	0.00	0	Nos.	0.00
572	46.00	SITC of Multipurpose DCP Type Nitrogen Pressurized Fire Extinguisher with valve, initial fill Powder (50% Mono Ammonium Phosphate(MAP), with wall bracket complete - 6 kg capacity. IS:15683	0.00	0	Nos.	0.00
573	46.00	SITC of Co2 type Fire Extinguisher with valve, initial Fill, wall bracket complete - 4.5 Kg capacity.BS:5423/ISO7165/ NFPA10/ BS EN 3 part 1 to 6/ IS:15683	0.00	0	Nos.	0.00
574	5.00	SITC of 6 Sand Buckets with powder coated floor mounted stand with canopy made of MS Channel 50x100x50 mm,BS:5423/ISO7165/ NFPA10/ BS EN 3 part 1 to 6 /IS-2546-1974	0.00	0	Nos.	0.00
7. FIRE AND SAFETY SIGNS						
575	24.00	Rectangular Acrylic Laser Type Fire Exit Sign (Double Sided) Features (Laser Type, Fire Exit Sign, LEDBased, Battery Backup - Up To 4 Hrs, Body White Corrosion Metal Housing, Supply 220v.) Double Sided Type Wall Mounting	0.00	0	Nos.	0.00
576	3.00	Fire Assembly Point Double-Side Hanging Sign (Fixing-Bolted, Material Thickness- 3 mm, Finish- Smooth Mat, Material- PVC, Orientation Portrait)	0.00	0	Nos.	0.00
577	34.00	Fire Alarm Call Point Double-Sided (Fixing-Bolted, Material- PVC, Orientation-Landscape, Finish-Smooth Matte, Material Thickness-3 mm)	0.00	0	Nos.	0.00
578	38.00	Fire hose reel double sided sign board	0.00	0	Nos.	0.00
579	1.00	FIRE PUMP ROOM	0.00	0	Nos.	0.00
580	2.00	Fire Alarm Control Panel double sided Sign Board	0.00	0	Nos.	0.00
581	6.00	Rectangular Acrylic Laser Type Emergency Fire Exit Sign (Double Sided) Features (Laser Type, Fire Exit Sign, LEDBased, Battery Backup - Up To 4 Hrs, Body White Corrosion Metal Housing, Supply 220v.) Double Sided Type Wall Mounting	0.00	0	Nos.	0.00
582	90.00	...do... Arrows	0.00	0	Nos.	0.00
583	100.00	...do... Exit Arrows	0.00	0	Nos.	0.00
584	4.00	...do... Fire Pump Start Button +panel	0.00	0	Nos.	0.00
585	2.00	...do... fire panel	0.00	0	Nos.	0.00
586	3.00	...do... Fire bucket	0.00	0	Nos.	0.00
587	70.00	Extinguishers--Double sided alluminium type signages (8 mm thick) -- size 12" x 18 "	0.00	0	Nos.	0.00
588	45.00	Providing & erecting water cooler having storage capacity 150 Ltr. & cooling capacity 150 Ltr.per hour @ an ambient temp of 45° C. The outlet temp. of the water should drop by 15°C within a hour, The water cooler should be comprising of hermetically sealed compressor, fan motor, condensing unit, water tank surrounded by evaporating, coil, thermostats, relay etc.complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel.	0.00	0	Each	0.00
589	45.00	Providing & fixing commercial water purifier with UV technology of water flow rate 150 LPH. Including all components as per manufacture specifications, including connection from water supply line, and final connection to water cooler electric wiring & plug top etc. with all accessories. 150 LPH Skid Mounted RO Plant for Drinking Purpose	0.00	0	Each	0.00
590	25.00	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 psi inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed with one year comprehensive maintenance guarantee. [A] 10 Ltr / Hr with 7 Ltr Plastic Pressure Tank	0.00	0	Each	0.00
ELECTRICAL WORK						
591	1874.00	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete. Cat. III	0.00	0	Pt.	0.00
592	3686.00	Point wiring for secondary light point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires, in below type of pipe to be erected complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC / wooden box covered with 3 mm thick PC(Polycarbonate) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete	0.00	0	Pt.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
593	966.00	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete. Cat. III	0.00	0	Pt.	0.00
594	730.00	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. [I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete.Cat. III	0.00	0	Pt.	0.00
595	863.00	[III] For 16A Plug and 16 amp switch with 2-4 sq.mm Cu. Wire with 2.5 sq.mm (green) earthing wire from mcb d b board. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete. Cat. III	0.00	0	Pt.	0.00
596	504.00	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessories Cat. III	0.00	0	Pt.	0.00
597	31.00	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete. Cat. III	0.00	0	Pt.	0.00
598	175.00	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. (7) Blank Plate Single Cat.III	0.00	0	Ea.	0.00
599	31.00	...do...(12) 6Amp. / 16 Amp. Two Way switch Cat.III	0.00	0	Ea.	0.00
600	74.00	...do...(22) 16/20/25 Amp. Modular Starter for Motor / A.C. Unit Complete Cat.III	0.00	0	Ea.	0.00
601	23460.00	Conduits & Pipes Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (b) 25 mm	0.00	0	Mtr.	0.00
602	5000.00	...do...(c) 32 mm	0.00	0	Mtr.	0.00
603	125.00	UPVC TRUNKING SYSTEM Supplying and laying UPVC cable trunking system comprising unplasticised polyvinyl, chloride rigid material with ignition free and flame proof confirming BS with necessary end caps Internal and external bend, flat bends, coupler, tee etc..All necessary accessories and measuring of following sizes (2) 100 mm x 50 mm trunking	0.00	0	Mtr.	0.00
604	18475.00	Mains & Wires Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) with medium class Rigid PVC pipe and accessories (a) 2 wire 1.5 sq. mm	0.00	0	Mtr	0.00
605	17646.00	...do...(b) 2 wire 2.5 sq. mm	0.00	0	Mtr	0.00
606	20216.00	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) with medium class Rigid PVC pipe and accessories (a) 2 wire 4 sq. mm	0.00	0	Mtr	0.00
607	12500.00	Providing & Erecting 3mm thick acrylic Sheet with grooving as directed.	0.00	0	Sq. Inch.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
608	338.00	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories Cat. III	0.00	0	Ea.	0.00
609	16.00	Providing & erecting insulated socket 3P+N+E with Plug 32A rating which is comprised of Four pole MCB slot and insulated socket IP40 cat-III	0.00	0	Ea.	0.00
610	961.00	LED LUMINARIES Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of co-extruded polycarbonate channel with diffuser part in needed opal finish with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Tube Light with integral driver (ii) 18-20 Watts, Surge - 2KV,IP-20, conventional 4 feet Cat-III	0.00	0	Each	0.00
611	494.00	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V,Power Factor more than 0.95, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt , LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete.IP20 (ii) 11-15 watts, Surge-2 KV Cat-III	0.00	0	Each	0.00
612	2821.00	...do...(iii) 16-20 watts, Surge-2 KV Cat-III	0.00	0	Each	0.00
613	912.00	LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete.IP20 (vii) from 45 to 48 watts, 24" x 24", Surge-2 KV Cat-III	0.00	0	Each	0.00
614	200.00	LED Strip Light (ii) Minimum 7.2W -240 LED per meter,(2 wire, IP-65) with non integral suitable Driver complete Cat-III	0.00	0	mtr.	0.00
615	102.00	Spot Light 425 Lumens, Surge-2KV (IP-65) (i) 3 to 7 Watts Cat-III	0.00	0	Ea.	0.00
616	68.00	Step Light having Aluminium die cast and ABS Plastic material. (i) 5 watts, Direct/Indirect luminaire (IP65) Cat-III	0.00	0	Ea.	0.00
617	387.00	...do...(H) Mirror Light 9 Watts, wall mounted minimum 1 feet long	0.00	0	Each	0.00
618	63.00	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K,Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.(fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (iii) Above 60 to 90 watts Cat-III	0.00	0	Each	0.00
619	22.00	(C) Post Top Lantern LED fitting comprises of finish cast aluminum spigot and spun aluminum canopy fixed with opal polycarbonate, pipe arrangement for vertical mounting driver and accessories wired upto terminal block.IP 65 (ii)32-40W Cat-III	0.00	0	Each	0.00
620	6.00	(B) Flood Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (vi)above 160 to 200 watts Cat-III	0.00	0	Ea.	0.00
621	6.00	...do...(iv) above 90 to 120 watts Cat-III	0.00	0	Ea.	0.00
622	6.00	...do...(vii)above 200 to 250 watts Cat-III	0.00	0	Ea.	0.00
623	10.00	(1) LED Bollard fittings of minimum height 400 mm & dia.100mm having polycarbonate clear/milky diffuser mounted on 3mm thick aluminium finished powder coated pipe with base plate 160x160mm with erection by M8x75mm fastner with required RCC foundation.IP65 for 9watt ,surge-4kv cat-III	0.00	0	Ea.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
624	6.00	Supplying and erecting 10W LED FOOR WASH LIGHT WITH (IP-65) with Driver complete outdoor fittings with Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection.	0.00	0	Ea.	0.00
625	200.00	Supplying and erecting 10W -15W LED DECORETIVE WALL LIGHT WITH (IP-65) with Driver complete outdoor fittings with Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection.	0.00	0	Ea.	0.00
626	70.00	Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete.IP20 - 22-30 Watts, Surge - 2KV,IP-20, 4 feet with Dimmable driver (dali based)	0.00	0	Ea.	0.00
627	1.00	CHENDELIAR - (300w to 500w range) Supplying and erecting LED indoor Chendelier fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled as per designe given by Architech, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body / MS / Wooden / Rope suspended / Henging type or as per Customised detailed given by architech. 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED efficiency 110 lumens/watt. LED driver efficiency > 85 % approved make LED used for luminaire.(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)	0.00	0	Each	0.00
628	7.00	Square/ Circular shaped Surface/Recessed Mount CELINDER type Downlight with provision for spring loaded mounting clips complete.IP65 CELINDER LIGHT-50W	0.00	0	Each	0.00
629	331.00	Profile light 100mm Width - 50w / mtr. Auminum type with inbuilt driver Surface/Recessed Mount type.	0.00	0	Rmt.	0.00
630	281.00	Profile light 50mm Width - 50w / mtr. Auminum type with inbuilt driver Surface/Recessed Mount type.	0.00	0	Rmt.	0.00
631	55.00	providing and erecting Miniature circuit breaker single pole 0.5A to 2A system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	0.00	0	Ea.	0.00
632	2440.00	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	0.00	0	Ea.	0.00
633	186.00	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (a) 6 to 32 Amp. Cat.III	0.00	0	Ea.	0.00
634	255.00	...do...(b)40 Amp. Cat.III	0.00	0	Ea.	0.00
635	161.00	...do...(c)63 Amp. Cat.III	0.00	0	Ea.	0.00
636	490.00	Half / One Module Blanking Plate of Stander Size.	0.00	0	Ea.	0.00
637	2.00	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (i)4 way	0.00	0	Ea.	0.00
638	37.00	...do...(ii)6 way	0.00	0	Ea.	0.00
639	53.00	...do...(iii)8 way	0.00	0	Ea.	0.00
640	20.00	...do...(iv)12 way	0.00	0	Ea.	0.00
641	8.00	...do...(v) 16 way	0.00	0	Ea.	0.00
642	2.00	Supplying & erecting Sheet Steel powder coated Cable end termination Box to be mounted on Top or Bottom of the MCB Distribution Box for housing/covering Extra wires & Cables, suitable for following size of MCB DB Box. (E) Three Phase 4 Way	0.00	0	Ea.	0.00
643	37.00	...do...(F) Three Phase 6 Way	0.00	0	Ea.	0.00
644	53.00	...do...(G) Three Phase 8 Way	0.00	0	Ea.	0.00
645	20.00	...do...(H) Three Phase 12 Way	0.00	0	Ea.	0.00
646	8.00	...do...(I) Three Phase 16 Way	0.00	0	Ea.	0.00
647	50.00	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (i) 25 Amps.DP Cat. III	0.00	0	Ea.	0.00
648	285.00	...do...(ii) 40Amps. DP Cat. III	0.00	0	Ea.	0.00
649	93.00	...do...(iii) 63 Amps. DP Cat. III	0.00	0	Ea.	0.00
650	50.00	Supplying & erecting approved make RCCB + MCB (Electro magnetic type only) working on residual current device having 10 KA short circuit breaking capacity and 30 mAmp-300mA Sensitivity & 30 mili sec. tripping time conforming to IS 12640 test knob facility trip free mechanism operating for rated leakage at nominal ten volt, complete erected including all materials lugs screws etc. completed. [f] 63A, 4 pole Three Phase Cat. II	0.00	0	Ea.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
651	25.00	Supplying & erecting approved make SMC press moulded composite FRP. loop-in, loop-out approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box. (H) 300mm x 200mm x 135mm [deep]	0.00	0	Ea.	0.00
652	25.00	...do...(I) 400mm x 300mm x 190mm [deep]	0.00	0	Ea.	0.00
653	22.00	Providing and erecting metallic vitrified danger notice board for MEDIUM VOLTAGE installation to be erected as per IS.	0.00	0	Ea.	0.00
654	61.00	Providing & erecting Medium Voltage Danger Notice Board sticker as per language suggested by engineer incharge of standard size as per IS-2551	0.00	0	Ea	0.00
655	8.00	Providing & erecting High Voltage Danger Notice Board sticker as per language suggested by engineer incharge of standard size-as per IS 2551	0.00	0	Ea	0.00
656	1970.00	Providing and erecting required size HOT deep Galvanised iron strip for earthing of H.T., OCB/ ACB/ Transformer LT panel board, Motors etc. using proper clamp.	0.00	0	Kg.	0.00
657	820.00	Providing and erecting required size Copper strip for earthing of H.T. OCB / ACB/ Transformer, LT panel board, Motors etc. using copper clamp.	0.00	0	Kg.	0.00
658	60.00	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	0.00	0	Kg.	0.00
659	500.00	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	0.00	0	Kg.	0.00
660	22.00	Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanizing, Inner pipe dia of 25 mm having 200-250 Micron galvanizing, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover.(approved make OEM has to submit test certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 Ω/ meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphur content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted. (c) For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA) i.e independent Earthing in normal soil. Length of Pipe : 3.00 mtrs Back filling Compound :2 nos Bags of 25 Kg.	0.00	0	Ea.	0.00
661	36.00	Supplying & erecting in earthpit of minimum bore dia. 225mm size approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 80 mm having 80-200 Micron galvanising, Inner pipe dia of 40 mm having 200-250 Micron galvanising, connection terminal dia of 14 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover.(approved make OEM has to submit test certificate including value of earth resistane of installation. [C] For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA)i.e. independent Earthing located in other than normal soil i.e. Soft Rock, Marshy Soil etc. -Length of Pipe : 3 Mtrs. -Back filling Compound :2 nos Bags of 25 Kg.	0.00	0	Ea.	0.00
662	36.00	Providing one bag of 25 Kg. Additional Back Filling Compound (BFC) suitable for safe earthing device.	0.00	0	Ea.	0.00
663	1800.00	Supplying & erecting XLPE(IS:7098)(I)-88 ISI unarmoured copper cable 1.1 KV grade to be erected as directed of following size. (E) 3 core 2.5 Sq. mm	0.00	0	Mtr.	0.00
664	150.00	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (A-1) 3 1/2 core 35 Sq. mm (16 Sq. mm 1/2 core)	0.00	0	Mtr.	0.00
665	150.00	...do...(B) 3 1/2 core 50 Sq. mm (25 Sq.1/2 mm core)	0.00	0	Mtr.	0.00
666	50.00	...do...(C) 3 1/2 core 70 Sq. mm (35 Sq. mm 1/2 core)	0.00	0	Mtr.	0.00
667	150.00	...do...(E) 3 1/2 core 120 Sq. mm (70 Sq. mm 1/2 core)	0.00	0	Mtr.	0.00
668	250.00	...do...(F) 3 1/2 core 150 Sq. mm (70 Sq. mm 1/2 core)	0.00	0	Mtr.	0.00
669	850.00	...do...(H) 3 1/2 core 240 Sq. mm(120 Sq. mm 1/2 core)	0.00	0	Mtr.	0.00
670	3000.00	...do...(I) 3 1/2 core 300 Sq. mm (150 Sq. mm 1/2 core)	0.00	0	Mtr.	0.00
671	300.00	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cable. (a-1) 3 core 4 Sq. Mm	0.00	0	Mtr.	0.00
672	2077.50	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand / Solid Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (A-1) 4 core 4 Sq. mm	0.00	0	Mtr.	0.00
673	1825.00	...do...(B) 4 core 6 Sq. mm	0.00	0	Mtr.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
674	992.50	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (A) 4 core 10 Sq. mm	0.00	0	Mtr.	0.00
675	3075.00	...do...(B) 4 core 16 Sq. mm	0.00	0	Mtr.	0.00
676	1785.00	...do...(C) 4 core 25 Sq. mm	0.00	0	Mtr.	0.00
677	75.00	Providing and erecting ISI Marked 3core 240 Sq.mm XLPE insulated 11 KV armoured cable Aluminium conductor IS-7098 to be laid on wall with clamps or in provided cable trench / pipe approved manner as directed.	0.00	0	Mtr	0.00
678	2.00	Providing and erecting cable end termination kit, heat shrinkable Push on type approved make suitable for 11 KV XLPE cable 3core 95 & 120 Sq.mm (A) Outdoor type	0.00	0	Ea.	0.00
679	4.00	...do...(B) Indoor type	0.00	0	Ea.	0.00
680	52.00	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (a) 2 to 4 core 2.5 / 4 Sq. Mm	0.00	0	Ea.	0.00
681	672.00	...do...(b) 2 to 4 core 6 Sq. mm	0.00	0	Ea.	0.00
682	280.00	...do...(c) 2 to 4 core 10 Sq. mm	0.00	0	Ea.	0.00
683	492.00	...do...(d) 2 to 4 core 16 Sq. mm	0.00	0	Ea.	0.00
684	14.00	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (B) 3 & 1/2 core 35/50 Sq. Mm	0.00	0	Ea.	0.00
685	2.00	...do...(C) 3 & 1/2 core 70 Sq. mm	0.00	0	Ea.	0.00
686	8.00	...do...(E) 3 & 1/2 core 120 Sq. mm	0.00	0	Ea.	0.00
687	16.00	...do...(F) 3 & 1/2 core 150 Sq. mm	0.00	0	Ea.	0.00
688	36.00	...do...(H) 3 & 1/2 core 240 Sq. mm	0.00	0	Ea.	0.00
689	54.00	...do...(I) 3 & 1/2 core 300 Sq. mm	0.00	0	Ea.	0.00
690	14.00	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (C) 16/25 Sq.mm.	0.00	0	Ea.	0.00
691	52.00	...do...(D) 35/50 Sq.mm.	0.00	0	Ea.	0.00
692	22.00	...do...(E) 70 Sq.mm.	0.00	0	Ea.	0.00
693	60.00	...do...(G) 120 Sq.mm.	0.00	0	Ea.	0.00
694	102.00	...do...(H) 150 Sq.mm.	0.00	0	Ea.	0.00
695	108.00	...do...(J) 225 Sq.mm.	0.00	0	Ea.	0.00
696	162.00	...do...(K) 300 Sq.mm.	0.00	0	Ea.	0.00
697	2050.00	Providing and fixing approved make Perforated C type cable tray. Made from pre-galvanized sheet steel. The cable tray should be bended as per IS 2062/1079 . with max 17.5% perforation with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge.. (5) 300 X 50 X 1.5 mm Thick	0.00	0	Rmt	0.00
698	400.00	...do...(7) 600 X 50 X 1.5 mm Thick	0.00	0	Rmt	0.00
699	21.00	Providing and fixing approved make 'T' Junction for Perforated C type cable tray. Made from pre galvanized sheet steel. The Junction should be bended as per IS 2062/1079. with max 17.5% perforation with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge.. (5) 300 X 50 X 2.0 mm Thick ' T' Junction	0.00	0	Ea.	0.00
700	3.00	...do...(7) 600 X 50 X 2.0 mm Thick ' T' Junction	0.00	0	Ea.	0.00
701	33.00	Providing and fixing approved make '90° Elbow' for Perforated C type cable tray. Made from pre galvanized sheet steel. The Junction should be bended as per IS 2062/1079. with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge.. (5) 300 X 50 X 2.0 mm Thick 90° Elbow	0.00	0	Ea.	0.00
702	3.00	...do...(7) 600 X 50 X 2.0 mm Thick 90° Elbow	0.00	0	Ea.	0.00
703	150.00	Providing and fixing approved make Ladder type cable tray. Made from M.S sheet. The cable tray should be bended as per IS 2062/1079 shall be fabricated of double bended channel section longitudinal members with single bended Channel section. Rungs of members welded to the base of the longitudinal members at 250 mm c/c spacing . as per IS and shall be coated with hot dip galvanizing as per IS 2629/4759. with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge.. (13) 600 X 100 X 2.0 mm Thick	0.00	0	Mtr.	0.00
704	150.00	...do...(14) 700 X 100 X 2.0 mm Thick	0.00	0	Mtr.	0.00
705	5.00	Providing and fixing approved make 'T' Junction for ladder type cable tray. Made from M.S sheet steel. The Junction should be bended as per IS 2062/1079. with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge.. 600 X 100 X 2.0 mm Thick 'T' Junction	0.00	0	Ea.	0.00
706	5.00	...do...700 X 100 X 2.0 mm Thick 'T' Junction	0.00	0	Ea.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
707	10.00	Providing and fixing approved make '90° Elbow' for ladder type cable tray. Made from M.S sheet steel. The Junction should be bended as per IS 2062/1079. with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge.. (13) 600 X 100 X 2.0 mm Thick	0.00	0	Ea.	0.00
708	10.00do...(14) 700 X 100 X 2.0 mm Thick	0.00	0	Ea.	0.00
709	929.00	Providing and erecting Approved make Ceiling fan with double ball bearing ISI mark with condenser A.C. 230V.50 c/s.1200 mm. sweep complete, canopy erected on existing hook or clamp with earthing. [Make shall be approved by Engineer in charge]	0.00	0	Ea.	0.00
710	1445.25	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	0.00	0	Mtr.	0.00
711	929.00	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	0.00	0	Ea.	0.00
712	929.00	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	0.00	0	Ea.	0.00
713	88.00	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame. 250mm with 1350 RPM Cat.II	0.00	0	Ea.	0.00
714	67.00	Supplying & erecting single phase approved make industrial exhaust fan suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM [E] 450 mm dia 1400 RPM Cat.II	0.00	0	Ea	0.00
715	67.00	Providing suitable M.S. louver shutter of the Exhaust fan.	0.00	0	Ea.	0.00
716	63.00	Supplying and erecting approved make Octagonal pole made from HR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/2633/4759, suitable suspend local wind speed with integral Junction box consist of terminal plate of min 6mm Hylam sheet, standard profile 35mmX7.5mm Din-Rail for MCB Mounting, stud type terminal and arrangement for cable termination to be erected on foundation as per details given by manufacturer considering site requirement. (C) 5 Mtr. Long 70 mm Top X 130 mm bottom dia, 3 mm thickness with 200mmX200mmX12mm base plate, 4-M16 Bolts and 600mm long J-Bolt.Approx Pole weight 46 kg	0.00	0	Ea.	0.00
717	63.00	Providing and erecting Street Light pole bracket comprising main B Class MS pipe of 4.2 cm/require outside dia. complete with suitable B Class M.S. sleeve tubing of approx. 45cms.length and suitable for 76.5 mm /80mm / required size of pole top having sufficient fasteners for fixing the brackets and having spread of 1.5.mtr. length with 110 deg.with vertical plane & suitable welded stays, reducer and with check nuts complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms. [A] Single Arm Bracket 1.5 Mtr	0.00	0	Ea	0.00
718	2.00	Supplying, erecting, testing, commissioning approved make M.S. Polygonal High Mast Pole having following general Specification. (a) Polygonal Section fabricated from M.S. Plate confirms BSEN 10025 & Hot deep galvanized minimum 65/86 micron (as per IS 2629 /1985) Lantern carriage with ring and rubber lines for erection of luminaries of suitable site. (b) Maximum telescopic section not more than four (c) Double drum gear pipe motorized winch with 6mm dia S.S. Rod (For 16 mtr and above size) (d) Approved make L.E.D. aviation light = 1 No. Lightning arrestor = 1 No. with necessary wiring of 2.5 sq.mm 5 core ISI copper cable Unarmoured. (e) Bottom most section suitable for mounting reversible motor and switchgears having door not more than 1400mm x 300mm with waterproof gasket & hinges & locking arrangement. (f) Pole structure comprises suitable size of reversible motor, cable and necessary switchgears with control panel. [2] High Mast 14 Mtr. TOP A/F 105 Mm, BOTTOM A/F 400 Mm, No. of Sec. No. - 1, Bottom Thickness - 3 mm, Size Base Plate - dia.520 mm x 16 mm thick, Foundation Bolt Size M24 x 850 mm, Qty - 8 Nos., Suitable for mounting Fitting of Light - 6 Nos.	0.00	0	Ea.	0.00
719	20.00	Providing printed instruction chart both in English & REGIONAL LANGUAGE & duly framed out on glass for treatment of person suffering from Electric shock, or should be laminated.	0.00	0	Ea.	0.00
720	1.00	Providing pair of rubber hand gloves suitable for working on 11 KV/22 KV supply.	0.00	0	Ea.	0.00
721	30.00	Supplying rubber matting of following thickness as per IS:15652/IEC 61111 (b)4mm	0.00	0	Sq.Mtr	0.00
722	10.00do...(c)12mm	0.00	0	Sq.Mtr	0.00
723	10.00	Supplying stand first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage (Band-aid) adhesive tape for medicinal user, Scissors, anti-septic solution (Savlon or similar) etc. (All above contents shall be of standard makes)	0.00	0	Ea.	0.00
724	4.00	Supplying FIRE bucket round bottom of 9 liters capacity made out of 24 gauge G.I. sheet with extra handle at bottom duly painted white inside and Red out side with FIRE mark, filled with dry-sand and kept on existing stand provided or hung on wall hook.	0.00	0	Ea.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
725	1.00	Supplying and erecting floor mounting stand for keeping four nos. of FIRE buckets comprising 1500 mm in length, 900 mm height frame made out of 30mm X30 mm X 4 mm angle iron with cross supports for legs, welded with 4 hooks and duly painted with one coat of red lead and two coats of approved enamel led silver paint.	0.00	0	Ea.	0.00
726	15.00	Supplying & erecting ABC powder type 'Ceasfire' type Fire extinguisher as per IS 13849 or 1 Kg capacity with necessary clamp for erection on wall	0.00	0	Ea	0.00
727	10.00	SITC of Vertical Air Termination Solid aluminium with Base- 10 mm dia and 1000 mm long. Air Termination Base tested for conditioning, Ageing Test & Lightning impulse current withstand test: 100 kA of 10/350µs waveform in an accredited Third party laboratory as per 6.3 & 6.4 of IEC 62561-1 2017 protocol with MAST 34mm dia 3000 mm long- Cold Galvanized	0.00	0	Each	0.00
728	2400.00	SITC of 8 mm dia solid Aluminium Conductor for roof top mesh grid and tested as per IEC 62561- 2 conducted in the Govt. accredited thirty party laboratory to meet the requirement of IS/IEC 62305 with Required Accessories - Aluminium Holding clamp at every 1 mtr distance, Aluminium/SS cross splicer at every crossing of Alu. conductor, Expansion piece with connectors at every 20 mtr distance, Aluminium straight Splicer to connect conductors. All Accessories should be tested as per IEC 62561-1 2018 Cl. 6.3 for conditioning & Ageing Test & 6.4 for Lightning impulse current withstand test: 100 kA of 10/350µs waveform(Ageing & Electrical test) conducted in a sequence manner & tested in the Govt. accredited Third party laboratory to meet the requirements of IS/IEC 6230	0.00	0	Mtr	0.00
729	1254.00	SITC of 10 mm MS Round Solid Conductor having smooth surface Should be tested and use exclusively for lightning protection (Vertical Riser/Down Conductor which shall be concealed in Column) to meet the requirement of IS IEC 62305 With Accessories - Earthing stud of dimension SS-75mm OD plate with 10mm dia tail connector used in structural steel ring earthing system to meet the requirements of IS/IEC 62305. (For Interconnecting the Column and the Terrace AL Conductor / Strip/Flat), SS Cross Connector to connect Earth fixing point to vertical raiser/Down conductor, SS Straight Splicer at every 4 Mtr to connect MS conductor in column, Bonding /Rebar Clamp at every 3 mtr suitable for interconnecting round conductor with reinforcement inside the concrete for structural earthing system, SS connector -To connect external conductor 8-10 mm with earth fixing point. All Accessories should be tested as per IEC 62561-1 2018 Cl. 6.3 for conditioning & Ageing Test & 6.4 for Lightning impulse current withstand test: 100 kA of 10/350µs waveform(Ageing & Electrical test) conducted in a sequence manner & tested in the Govt. accredited Third party laboratory to meet the requirements of IS/IEC 6230	0.00	0	Mtr	0.00
730	360.00	SITC of Galvanized Steel Flat 25x6 mm thickness from earth electrode directly in ground as required. Zinc coating: 500 g/m square (Approx:70 micron coating) tested and used exclusively for lightning protection earthing system and ring equipotential bonding.	0.00	0	Mtr	0.00
731	30.00	SITC of 14.2 mm dia 3 mtr long Earth electrode of High tensile steel electrode with 250 micron copper bonding & 1 bag of Carbon fill Based environment friendly backfill tested as per IEC 62561-7 in NABL accredited Laboratory and suitable stainless Steel double sided clamp. Eco Friendly rust proof heavy duty weather proof Polyethylene Earth Pit Chamber with following dimensions :254 mm dia (top), 330 mm dia (bottom) & 260 mm (height).	0.00	0	Per Set	0.00
732	1.00	Supply, Installation, testing & commissioning of 11kV HT Metering Cubical Panel (HTMC PANEL) with 11 KV 800 Amp VCB With drawout unit suitable for control supply ,closing coil 110V DC , Tripping Coil 110V DC Manual Spring Charge, 21kA, 11 KV Resin Cast Epoxy CT 250/1 Amp and Over Current & Earth Fault Relay. as per attached technical specifications. (As per local electricity bord norms). HTMC Metering cubical shall be per Drawing, Specification, as per instruction manual of the manufacturer & as per instruction of engineer-in-charge. The unit rate shall include loading / unloading, shifting from site store to the place of installation, assembling the Panel including mounting & wiring of loose parts supplied by manufacturers, interconnection of shipping sections, installation on readymade Cable trench (providd support for panel mounting) or directly on floor, aligning, leveling, grouting, testing and setting of relays and meters including all hardware. Contractor to provide all necessary material & labour (even if it is not mentioend above) to complete the job to consultant & client's satisfaction & no extra payment will be entertained for any extra item what so ever. (Vendor shall be GEB Approved.) • Other Accessories: • Aluminium 'EC Grade' Busbar with Insulation ,• Power Pack ,• Control wiring • Copper bond Jumper for CT PT unit "EC Grade" ,• 11 KV voltage detecting Insulators, • VDI System ,• HV Sleeve ,• Self-Adhesive Aluminium Label • Indication Lamp -VCB ON / OFF, • Heater with thermostat ,• CTPT Unit chamber Note:- 1. Proper space for HT cable termination to be provide. 2. GA drawing to be submitted. Prior to Manufacturing 3. 2 Nos. site visit to be considered at the time of installation. 4. Required foundation details to be provided.	0.00	0	Ea.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
733	1.00	<p>Providing, erecting, testing commissioning & getting Plan Approval as well as NOC from Electrical Inspector for extensible H.T panel comprising of one 400A. H.T. VCB incoming & Two outgoing 400 A Drawout type VCB conforming as per I.S. for use on 11 KV, 3 phase, 50 c/s. unearthed A.C. supply system having breaking rupturing capacity of 350 MVA complete with spring operated mechanism, mechanically & automatic ON-OFF and spring mechanism charged, discharged indicators, ON-OFF mechanical push button, operation counter necessary auxiliary switches, closing shunt trip, air insulated busbar chamber having heat shrinkable PVC sleeves, mechanical interlocks safety shutters, isolating plugs and a VCB trolley with three vacuum interrupters with epoxy support insulators and self aligning finger type isolating contacts. The breaker shall be Manual cum motorised mechanism & auto spring charge with TNC switch closing with following accessories.</p> <p>1. 144 mm. square flush mounting type digital multifunctional meter with communication facility - Three sets., 2. Power Factor Meter One No</p> <p>3. Double core current transformer cast resin type having ratio 200 to 50/1 core for metering & second core for protection having required class of accuracy. - Three Sets</p> <p>4. Instantaneous under voltage relay& Temperature rise Tripping Relay</p> <p>5. Electrical closing coil & short trip coil operating on 110V. D.C.- Three Sets</p> <p>6. Auxiliary relay for anti pumping device</p> <p>7. Three phase Three limb Drawout type feeder connected & output of 200 VA cast resin insulated potential transformer having ratio 12000V./110V. and 200 VA Burdon with 0.5 accuracy. - One No.</p> <p>8. Common Alarm bell operating on 110V A.C.- One No.</p> <p>9. Digital KWH Meter - One No. , 10. Cable boxes suitable up to 11 KV 3core 150 sq.mm XLPE cable. - Three Nos.</p> <p>11. 230V. A.C. to 110V. D.C. power pack for closing & tripping circuit common.</p> <p>12. Breaker ON-OFF, Auto trip and spring charged indicators. - Three Sets.</p> <p>13. Phase indicating & panel illumination lamps with plug socket - Three Sets.</p> <p>14. Numerical Communicable type non directional O/C & E/F Relay with a setting of 5-250% both in O/C & E/F. -Three Set</p> <p>complete with necessary interconnection with air insulated high grade copper busbar {Breaker Testing scope include Closing Time, Opening Time, VCB Hi-Pot test at Site}{ Relay Testing Scope Include testing of all protection by three phase testing kit at site }(VCB Trolley is to be provided)</p>	0.00	0	Ea.	0.00
734	2.00	<p>Supply, Installation, testing & commissioning of 1000 KVA, ,11KV/415V, DYN11, Cast Rasin Dry type, Outdoor type, Unitised Compact Substation as per Drawing, Specification as per manufacturer drawings & as per instruction of engineer-in- charge. The unit rate shall include loading / unloading, shifting from site store to the place of installation, Assembling of Unitised Compact Substation accessories, installation on readymade Cable trench or directly on otta / floor, aligning, leveling. (NOTE:- HT Side - 3WAY RMU-NON-Extensible - 1 no Load break switch and 2 nos. Vacuum circuit Breaker with Aluminium Busbar. (Three way RMU, with 1no 11kV, 800Amps Fixed manual isolator and 2nos outgoing 11KV, 800Amps, 21kA for 3 sec., SF6 insulated Non-Extensible Compact switchgear consisting of fixed manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclose). Contractor to provide all necessary material & labour (even if it is not mentioned above) to complete the job to consultant & client's satisfaction & no extra payment will be entertained for any extra item whatsoever.</p>	0.00	0	EA	0.00
735	2.00	<p>Supply, Installation, testing & commissioning of Voltage Stabilizer Out door type as per Drawing, Specification as per manufacturer drawings & as per instruction of engineer-in- charge. The unit rate shall include loading / unloading, shifting from site store to the place of installation, Assembling of accessories, installation on readymade Cable trench or directly on otta / floor, aligning & leveling of stabilizer. - 1000kVA Voltage stabilizer.</p>	0.00	0	EA	0.00
736	2.00	<p>Supply, Installation, Testing & Commissioning of 750 KVA Diesel Generator Set as shown in the drawing, specification as per the instruction of engineer-in-charge and as per the instruction manual of the manufacturer. The unit rate shall include loading / unloading, shifting from site store to the place of installation, positioning on readymade platform ,assembling of loose accessories supplied by the manufacturer, wiring & connection of auxiliary circuits, installation, testing & commissioning of control Panel and supply of all necessary hardware. Contractor to provide all necessary material & labour (even if it is not mentioend above) to complete the job to consultant & client's satisfaction & no extra payment will be entertained for any extra item whatsoever.</p>	0.00	0	EA	0.00
737	1.00	<p>Supply, Installation, Testing & Commissioning of Diesel Generator Set AMF, Synchronizing & Load shedding panel suitable for 2 nos. 750 KVA Diesel Generator Set as per Drawing, specification, as per instruction manual of the manufacturer & as per instruction of engineer-in-charge. The unit rate shall include loading / unloading, shifting from site store to the place of installation, positioning on readymade Cable trench (grouting of "C" channel for panel mounting), assembling of loose accessories supplied by the manufacturer, wiring & connection of auxiliary circuits, installation, testing & commissioning of AMF Panel, interlocking with Main L.T. Panel and supply of all necessary hardware. Contractor to provide all necessary material & labour (even if it is not mentioned above) to complete the job to consultant & client's satisfaction & no extra payment will be entertained for any extra item whatsoever.</p>	0.00	0	EA	0.00
738	162.00	<p>Supplying and erecting approved make suitable panel indicator LED type lamp, lens cover, complete erected with necessary connections.</p>	0.00	0	Ea.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
739	32.00	Providing and erecting multifunctional meter suitable for application of Power monitoring and showing measurement of following Voltage, Frequency, Apparent energy, Apparent power, Active and reactive energy, Active and reactive power, Average voltage Vavg, Peak demand power PM, QM, SM, Demand power P, Q, S, Apparent power S, S1, S2, S3, Unbalance current, Power factor and displacement PF (signed, four quadrant), Calculated neutral current, Active, reactive, apparent energy (signed, four quadrant), Active power P, P1, P2, P3, Voltage U21, U32, U13, V1, V2, V3, Phase currents, Average current lag, Peak demand currents, Reactive power Q, Q1, Q2, Q3, Demand current I1, I2, I3, [Us] rated supply voltage 40...300 V AC 45...65 Hz, 40...300 V DC, Network frequency 50 Hz, Type of network 3P, Display type 7 segments LED, Display colour Red, Messages display capacity 3 fields of 4 characters, Display digits 12 digit(s) - 14.2 mm in height	0.00	0	Ea.	0.00
740	2.00	Approved make standard Draw out type 4 Pole Air circuit breaker. Having 50 kA breaking capacity with ICU=ICS=ICW (1 sec)Vsr=690 v, Ui=1kv ,impulse voltage=12 kv with following type of relay and accessories. (2) Electrically Draw out type (EDO) with following type of relay system (B) with microprocessor Release with over load, short circuit, earth fault protection and metering display in modular design with LED display and Test Trip button facility, CTs and auxiliary contacts, of following current ratings. (i) 800Amp 50 kA Cat III	0.00	0	Ea.	0.00
741	4.00	...do...(ii) 1000Amp 50 kA Cat III	0.00	0	Ea.	0.00
742	8.00	...do...(iv) 1600Amp 50 kA Cat III	0.00	0	Ea.	0.00
743	23.00	Providing & erecting Accessories For Air Circuit Breakers as follows: (A) Six way Isolating Contact block	0.00	0	Ea.	0.00
744	23.00	...do...(B) Lockable Trip Push Button Type A,B,C,D	0.00	0	Ea.	0.00
745	23.00	...do...(C) Lockable Trip Push Button Kit L, M, LM, MN	0.00	0	Ea.	0.00
746	23.00	...do...(D) Locking of ACB in Isolated Position	0.00	0	Ea.	0.00
747	23.00	...do...(E) Locking of ACB in Any Position	0.00	0	Ea.	0.00
748	23.00	...do...(F) Racking Inter Lock	0.00	0	Ea.	0.00
749	23.00	...do...(G) Door Inter Lock	0.00	0	Ea.	0.00
750	23.00	Providing & erecting additional parts for Air Circuit Breakers as follows: (A) Auxiliary Contact Block for CN-CS 800 to 2500 & 2 NO + 2 NC	0.00	0	Ea.	0.00
751	23.00	...do...(C) Arc Chutes for 800 / 1000 / 1250 / 1600 A ACBs	0.00	0	Ea.	0.00
752	23.00	...do...(E) Shutter Accessories for 800 / 1000 / 1250 / 1600 A ACBs	0.00	0	Ea.	0.00
753	23.00	...do...(G) Shunt Release Type EA:24/48 V, 110V, 220V DC	0.00	0	Ea.	0.00
754	23.00	...do...(M) CTs for 800 C / 1000 C with 400A / 640A and 800A taps for Fixed & Drawout Type ACBs	0.00	0	Ea.	0.00
755	23.00	...do...(N) CTs for 1250 C / 1600 C for Fixed & Drawout Type ACBs	0.00	0	Ea.	0.00
756	23.00	...do...(P) Fixed Type Arcing Contacts Kit for 3 Pole ACB of 800A to 1600A	0.00	0	Kit	0.00
757	23.00	...do...(R) Moving Type Arcing Contacts Kit for 3 Pole ACB of 800A to 1600A	0.00	0	Ea.	0.00
758	30.00	Supplying and erecting triple pole & neutral 440V/ 500V panel mounting Aluminium Busbars with four equal Nos. of bus having current density not more than 0.8 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each busbar,erected in existing cubical panel with necessary connections. (A) Suitable for 100 Amp. Capacity	0.00	0	Rn.Mtr	0.00
759	40.00	...do...(B) Suitable for 200 Amp. Capacity	0.00	0	Rn.Mtr	0.00
760	35.00	...do...(C) Suitable for 300 Amp. Capacity	0.00	0	Rn.Mtr	0.00
761	35.00	...do...(D) Suitable for 400 Amp. Capacity	0.00	0	Rn.Mtr	0.00
762	45.00	...do...(E) Suitable for 630 Amp. capacity	0.00	0	Rn.Mtr	0.00
763	35.00	...do...(F) Suitable for 800 Amp. capacity	0.00	0	Rn.Mtr	0.00
764	30.00	...do...(G) Suitable for 1200 Amp.capacity	0.00	0	Rn.Mtr	0.00
765	6.00	Neutral Link for (i) 32 / 63 / 125 Amps	0.00	0	Ea.	0.00
766	55.00	...do...(ii) 200 / 250 / 320 / 400 / 630 / 800 Amps	0.00	0	Ea.	0.00
767	30.00	Providing and erecting Approved make panel mounting front fixing rotary switch (CAM Switch) with face plate with double pair of contacts with two fix and a moving contacts, operated by means of slide, rest on disk with grooves for sequential operation rotated by switch handle, square shaft and knob for Two way with off (i) Two pole (a) 16/25A - 240 V	0.00	0	Ea.	0.00
768	30.00	...do...(b) 32A - 240V	0.00	0	Ea.	0.00
769	35.00	...do...(ii) Four pole (a) 16/25A - 440V	0.00	0	Ea.	0.00
770	35.00	...do...(b) 32A- 440V	0.00	0	Ea.	0.00
771	5.00	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 K.A. and above at 415 V having normal current rating up to 630A. with variable thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing ICS=100% of ICU only Cat III	0.00	0	Ea.	0.00
772	8.00	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 KA and above at 415 V having Normal current rating 400A. with variable Thermal & magnetic release suitable to work on A.C.supply 50 c/s. With all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	0.00	0	Ea.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
773	6.00	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating 125A. with Fixed thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	0.00	0	Ea.	0.00
774	1.00	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having Normal current rating 200A.with variable Thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S.housing ICS=100% of ICU only Cat III	0.00	0	Ea.	0.00
775	1.00	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. and above at 415 V . having normal current rating 250A. with variable thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	0.00	0	Ea.	0.00
776	10.00	Providing and erecting following additional parts for panel mounting MCCBs (A)Extended operating rotary handle with pad lock with three position trip,off,on suitable for 25A to 250 A panel mounting cat-III	0.00	0	Ea.	0.00
777	10.00	(B)Extended operating rotary handle with pad lock with three position trip,off,on suitable for 400A to 630 A panel mounting cat-III	0.00	0	Ea.	0.00
778	35.00	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board necessary IP-42 and above protection as per approval from engineer incharge made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary accesories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory (i) with 350mm depth	0.00	0	Sq.Mtr	0.00
779	12.00	...do...(ii) with 550 mm. Depth	0.00	0	Sq.Mtr	0.00
780	25.00	...do...(iii)with 750 mm. Depth	0.00	0	Sq.Mtr	0.00
781	10.00	...do...(iv) with 1000 mm. depth	0.00	0	Sq.Mtr	0.00
782	150.00	Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles,square,round, flats, bars, channels, sections complete with cutting, welding, grinding & finishing duly painted with one coat of red oxide with erection on site as per direction of engineer in charge with necessary grouting, cementing, plastering & finishing complete.	0.00	0	Kg.	0.00
783	44.00	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated outdoor type double door cubical panel board necessary IP-54 and above protection as per approval from engineer incharge made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary accesories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory (i) with 350mm depth	0.00	0	Sq.Mtr	0.00
784	44.00	...do...(ii) with 550 mm. Depth	0.00	0	Sq.Mtr	0.00
785	6.00	...do...(iii)with 750 mm. Depth	0.00	0	Sq.Mtr	0.00
786	36.00	...do...(iv) with 1000 mm. depth	0.00	0	Sq.Mtr	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
787	200.00	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required.(b) One wire 1.50 sq. mm	0.00	0	Mtr.	0.00
788	200.00	...do...(c) One wire 2.50 sq. mm	0.00	0	Mtr.	0.00
789	350.00	...do...(d) One wire 4.00 sq. mm	0.00	0	Mtr.	0.00
790	3000.00	...do...(e) One wire 6.00 sq. mm	0.00	0	Mtr.	0.00
791	1450.00	...do...(f) One wire 10.00 sq. mm	0.00	0	Mtr.	0.00
792	200.00	...do...(g) One wire 16.00 sq. mm	0.00	0	Mtr.	0.00
793	200.00	...do...(h) One wire 25.00 sq. mm	0.00	0	Mtr.	0.00
794	50.00	...do...(i) One wire 35.00 sq. mm	0.00	0	Mtr.	0.00
795	50.00	...do...(j) One wire 50.00 sq. mm	0.00	0	Mtr.	0.00
796	951.00	Solder less crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/2.5 to 6 Sq.mm	0.00	0	Ea.	0.00
797	325.00	...do...(B) 10 Sq.mm	0.00	0	Ea.	0.00
798	453.00	...do...(C) 16 Sq.mm.	0.00	0	Ea.	0.00
799	75.00	...do...(D) 25 Sq.mm.	0.00	0	Ea.	0.00
800	80.00	...do...(E) 35/50 Sq.mm.	0.00	0	Ea.	0.00
801	2.00	Design, Supplying, installing, testing of factory fabricated ready made Three phase APFC Panel Cubical Panel fabrication should be type tested as per IEC 61921, 61439:1&2 Capacitor Duty Contactor for switching as per following Steps Incomer Switch of MCCB type Icu=Ics=50KA at 400/440 Volts, with OC, SC, internal earth fault protection Incomer Switch of MCCB type Icu=Ics=50KA at 400/440 Volts, with OC, SC, internal earth fault protection,Copper tinned insulated Busbar,Cubical panel should be indoor type with IP 43 and IK 10,Metalized polypropylene film tye3-phase 550Volt Capacitor,De tuning Reactor for each capacitor,Panel having Short Circuit and Overload protection,Each step Capacitor having suitable MCB with Sc, OL, internal earth fault relay,Each stage having Stage Contactor (Capacitor load rating),PF regulator master controller having suitable steps with LCD display, Rs 485 Communication port, Indication LED Lamps for main incomer and ON-OFF for each capacitor bank,MS Chanel for Floor mounting, Cable entry as per site situation,Cooling fans for panel (g)250KVAR	0.00	0	Each	0.00
802	6.00	Providing and erecting AC-3 duty 3 pole power contactor with 2 NO & 2 NC aux contacts complete with 415V/220V operating coil suitable for (approved make). (A) for 25 / 32 A rating	0.00	0	Ea.	0.00
803	6.00	...do...(B) for 40 A rating	0.00	0	Ea.	0.00
804	6.00	...do...(C) for 60 / 70 A rating	0.00	0	Ea.	0.00
805	2.00	...do...(D) For 80 / 95 A Rating	0.00	0	Ea.	0.00
806	4.00	...do...(E) for 110 A rating	0.00	0	Ea.	0.00
LIFT WORK						
807	4.00	Supplying, Erecting, Testing & Commissioning the passenger having following main features: [1] GEAR LESS LIFT DRIVE (MRL) comprising of High Starting torque Lift 3 phase 440 V A. C. Permanent Magnet Synchronous motor of proper rating with high efficiency shall be used.[2] Micro processor based / PLC, ACVVVF, vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/DOWN hall stops, Main, Up/ Down Contactor with overload and phase reversal relay and safety controls.[3] Car with M S platform with bracings of adequate size and to sustain the impact load cabin + passenger with safety factor of fire for steel and side panels of Stainless steel of sheet of grade 304 duty. Car ceiling will be S.S. finishes with aesthetic appearance with LED ceiling lights. Car flooring shall be of anti skid PVC with choice of colour of engineer in charge. Car doors shall be of stainless steel grade 304, hairline finish with centre opening / telescopic automatic doors. Car panel will also be S.S. 304 finished with emergency stop device, mechanical door safety device, facility of auto/ attended mode. All car panel buttons and all floor switches must be with brail language as per lift act.[4] All landing doors must be fire rated for 2 hour shall be fully automatic centre opening/ telescopic opening made of hairline finish steel grade of 304 with key holes and infrared curtains with Unlocking facility from outside [5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided. Also, Emergency Light & Fan should start immediately without any Time Delay as soon as power fails.	0.00	0	Each	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
		<p>[6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors.[7] Full height infra red curtain with multiple cross / crossing light beams shall be provided.[8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity with Manual Rescue Operation (Manual Cranking Facility). [9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.[10] Spring buffers/PU Buffers shall be provided.[11] Car fan as per passenger capacity with automatic sleep timer shall be provided.[12] Voice annunciator with suitable music shall be provided in lift car.</p> <p>[13] Self diagnostics system for operational and safety parameters shall be provided in control panel.[14] Mechanical over speed governor with governor calibration as per actual site parameters and submission of calibration certificate submission, door key holes in the floor doors, fireman switch shall be provided.[15] Lift machine hoisting arrangement in the lift machine room and monkey ladder for lift pit should be provided by the lift agency, along with the other steel structure works, foundations for the machine etc...[16] In the hoist way fascia plate shall be provided without any extra cost, where ever required as / if directed by engineer in charge.</p> <p>[17] Permanent wiring with necessary safety devices like RCCB in all circuit, Over Voltage Under Voltage protection and THD eliminator in circuit for lift machine room and lift well with proper numbers of light points, with fixtures, exhaust fan and plug points shall be provided by the agency.</p>	0.00	0		
		<p>Only 3 phase Power Supply shall be made available by department in lift machine room. Necessary Earthing as per Lift Act/Rules shall be arranged by Lift Agency.[18] Any civil/ electrical works for additional and alteration in lift shaft and machine room related to erection of lift shall be made by lift agency without any extra cost. (granite/marble fixing around all landing door openings are not in lift agency's scope.)[19] Agency has to provide all working drawings and documents and liaison services for obtaining all necessary permission from lift inspector and other authorities. [20] acrylic transparent licence/display A4 size holder in lift car[20A] As per statutory requirement of Govt. Of Gujarat lift & escalator act 2000, lift agency has to provide 1. Car top safety barricade 2. Push & talk communication system.</p> <p>3. Fireman's switch operation at Ground Floor. [21] Car Panel Operating Buttons with floor position indicator/buttons must be of Auto Glow type clearly visible when view from inside cabin.</p> <p>[22] For Physically Handicapped person Full Length Handrails of hairline finish steel grade of 304 should be provided at appropriate height on the Rear & Side Wall Panels in Lift Car.15/16 Passengers, Ground plus 10 upper floors with Rated Speed of 2.0 / 2.5 m/sec., (Electrical Sor 22-23, Chapter-13, Item Code;-13-1-AX (B) With General PLUS ADDITIONAL SPECIAL FEATURES attached herewith. Prem. Cat.)</p>	0.00	0		
		<p>(B) SPECIAL FEATURES DESCRIPTION OF LIFTS for PREMIUM category</p> <p>1. Advanced control system dual 64 bit embedded microprocessor with CANBUS Serial Communication mode including Regenerative power efficient operation, on site programming facility, Anti nuisance, Pte-opening, BMS/RMS with necessary online real time monitoring system having necessary connectivity for remote monitoring & other suitable supporting hardware & software devices to fulfil the purpose.</p> <p>2. Floor Indication LCD Display with call registration & brail mark with arrival gong and hall lantern & TFT Screen in the car with MP3 Voice Announcer.</p> <p>3. CAR Panel should be Scratch resistive SS Moonrock finish / Hair Line / Honeycomb for car and all Doors, All landing doors must have fire rating up to 2 hours and car door must have multi-level crisscross beam door protection.</p> <p>4. To & fro communication system & wiring (i.e. car , control room & guard room) and Each elevator are equipped with remote monitoring system.agency has to provide mobile app and user id and password for monitoring</p>	0.00	0		

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
808	2.00	<p>Supplying, Erecting, Testing & Commissioning the passenger having following main features: [1] GEAR LESS LIFT DRIVE (MRL) comprising of High Starting torque Lift 3 phase 440 V A. C. Permanent Magnet Synchronous motor of proper rating with high efficiency shall be used.[2] Micro processor based / PLC, ACVVVF, vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/DOWN hall stops, Main, Up/ Down Contactor with overload and phase reversal relay and safety controls.[3] Car with M S platform with bracings of adequate size and to sustain the impact load cabin + passenger with safety factor of fire for steel and side panels of Stainless steel of sheet of grade 304 duty. Car ceiling will be S.S. finishes with aesthetic appearance with LED ceiling lights. Car flooring shall be of anti skid PVC with choice of colour of engineer in charge. Car doors shall be of stainless steel grade 304, hairline finish with centre opening / telescopic automatic doors. Car panel will also be S.S. 304 finished with emergency stop device, mechanical door safety device, facility of auto/ attended mode. All car panel buttons and all floor switches must be with brail language as per lift act.[4] All landing doors must be fire rated for 2 hour shall be fully automatic centre opening/ telescopic opening made of hairline finish steel grade of 304 with key holes and infrared curtains with Unlocking facility from outside [5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided. Also, Emergency Light & Fan should start immediately without any Time Delay as soon as power fails.</p>	0.00	0	Each	0.00
		<p>[6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors.[7] Full height infra red curtain with multiple cross / crossing light beams shall be provided.[8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity with Manual Rescue Operation (Manual Cranking Facility). [9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.[10] Spring buffers/PU Buffers shall be provided.[11] Car fan as per passenger capacity with automatic sleep timer shall be provided.[12] Voice annunciator with suitable music shall be provided in lift car. [13] Self diagnostics system for operational and safety parameters shall be provided in control panel.[14] Mechanical over speed governor with governor calibration as per actual site parameters and submission of calibration certificate submission, door key holes in the floor doors, fireman switch shall be provided.[15] Lift machine hoisting arrangement in the lift machine room and monkey ladder for lift pit should be provided by the lift agency, along with the other steel structure works, foundations for the machine etc..[16] In the hoist way fascia plate shall be provided without any extra cost, where ever required as / if directed by engineer in charge. [17] Permanent wiring with necessary safety devices like RCCB in all circuit, Over Voltage Under Voltage protection and THD eliminator in circuit for lift machine room and lift well with proper numbers of light points, with fixtures, exhaust fan and plug points shall be provided by the agency.</p>				
		<p>Only 3 phase Power Supply shall be made available by department in lift machine room. Necessary Earthing as per Lift Act/Rules shall be arranged by Lift Agency.[18] Any civil/ electrical works for additional and alteration in lift shaft and machine room related to erection of lift shall be made by lift agency without any extra cost. (granite/marble fixing around all landing door openings are not in lift agency's scope.)[19] Agency has to provide all working drawings and documents and liaison services for obtaining all necessary permission from lift inspector and other authorities. [20] acrylic transparent licence/display A4 size holder in lift car[20A] As per statutory requirement of Govt. Of Gujarat lift & escalator act 2000, lift agency has to provide 1. Car top safety barricade 2. Push & talk communication system. 3. Fireman's switch operation at Ground Floor. [21] Car Panel Operating Buttons with floor position indicator/buttons must be of Auto Glow type clearly visible when view from inside cabin. [22] For Physically Handicapped person Full Length Handrails of hairline finish steel grade of 304 should be provided at appropriate height on the Rear & Side Wall Panels in Lift Car.15/16 Passengers, Ground plus 4 upper floor with Rated Speed of 1.0 m/sec., (Electrical Sor 22-23, Chapter-13, Item Code;-13-1-AR(C) With General PLUS ADDITIONAL SPECIAL FEATURES attached herewith. Prem. Cat.)</p>				

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
		<p>(B) SPECIAL FEATURES DESCRIPTION OF LIFTS for PREMIUM category</p> <p>1. Advanced control system dual 64 bit embedded microprocessor with CANBUS Serial Communication mode including Regenerative power efficient operation, on site programming facility, Anti nuisance, Pte-opening, BMS/RMS with necessary online real time monitoring system having necessary connectivity for remote monitoring & other suitable supporting hardware & software devices to fulfil the purpose.</p> <p>2. Floor Indication LCD Display with call registration & brail mark with arrival gong and hall lantern & TFT Screen in the car with MP3 Voice Announcer.</p> <p>3. CAR Panel should be Scratch resistive SS Moonrock finish / Hair Line / Honeycomb for car and all Doors, All landing doors must have fire rating up to 2 hours and car door must have multi-level crisscross beam door protection.</p> <p>4. To & fro communication system & wiring (i.e. car , control room & guard room) and Each elevator are equipped with remote monitoring system. agency has to provide mobile app and user id and password for monitoring</p>				
809	2.00	<p>Supplying, Erecting, Testing & Commissioning the passenger having following main features: [1] GEAR LESS LIFT DRIVE (MRL) comprising of High Starting torque Lift 3 phase 440 V A. C. Permanent Magnet Synchronous motor of proper rating with high efficiency shall be used.[2] Micro processor based / PLC, ACVVVF, vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/DOWN hall stops, Main, Up/ Down Contactor with overload and phase reversal relay and safety controls.[3] Car with M S platform with bracings of adequate size and to sustain the impact load cabin + passenger with safety factor of fire for steel and side panels of Stainless steel of sheet of grade 304 duty. Car ceiling will be S.S. finishes with aesthetic appearance with LED ceiling lights. Car flooring shall be of anti skid PVC with choice of colour of engineer in charge. Car doors shall be of stainless steel grade 304, hairline finish with centre opening / telescopic automatic doors. Car panel will also be S.S. 304 finished with emergency stop device, mechanical door safety device, facility of auto/ attended mode. All car panel buttons and all floor switches must be with brail language as per lift act.[4] All landing doors must be fire rated for 2 hour shall be fully automatic centre opening/ telescopic opening made of hairline finish steel grade of 304 with key holes and infrared curtains with Unlocking facility from outside [5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided. Also, Emergency Light & Fan should start immediately without any Time Delay as soon as power fails.</p>	0.00	0	Each	0.00
		<p>[6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors.[7] Full height infra red curtain with multiple cross / crossing light beams shall be provided.[8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity with Manual Rescue Operation (Manual Cranking Facility). [9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.[10] Spring buffers/PU Buffers shall be provided.[11] Car fan as per passenger capacity with automatic sleep timer shall be provided.[12] Voice annunciator with suitable music shall be provided in lift car.</p> <p>[13] Self diagnostics system for operational and safety parameters shall be provided in control panel.[14] Mechanical over speed governor with governor calibration as per actual site parameters and submission of calibration certificate submission, door key holes in the floor doors, fireman switch shall be provided.[15] Lift machine hoisting arrangement in the lift machine room and monkey ladder for lift pit should be provided by the lift agency, along with the other steel structure works, foundations for the machine etc..[16] In the hoist way fascia plate shall be provided without any extra cost, where ever required as / if directed by engineer in charge.</p> <p>[17] Permanent wiring with necessary safety devices like RCCB in all circuit, Over Voltage Under Voltage protection and THD eliminator in circuit for lift machine room and lift well with proper numbers of light points, with fixtures, exhaust fan and plug points shall be provided by the agency.</p>				

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
		<p>Only 3 phase Power Supply shall be made available by department in lift machine room. Necessary Earthing as per Lift Act/Rules shall be arranged by Lift Agency.[18] Any civil/ electrical works for additional and alteration in lift shaft and machine room related to erection of lift shall be made by lift agency without any extra cost. (granite/marble fixing around all landing door openings are not in lift agency's scope.)[19] Agency has to provide all working drawings and documents and liaison services for obtaining all necessary permission from lift inspector and other authorities. [20] acrylic transparent licence/display A4 size holder in lift car[20A] As per statutory requirement of Govt. Of Gujarat lift & escalator act 2000, lift agency has to provide 1. Car top safety barricade 2. Push & talk communication system. 3. Fireman's switch operation at Ground Floor. [21] Car Panel Operating Buttons with floor position indicator/buttons must be of Auto Glow type clearly visible when view from inside cabin. [22] For Physically Handicapped person Full Length Handrails of hairline finish steel grade of 304 should be provided at appropriate height on the Rear & Side Wall Panels in Lift Car.8 / 10 Passengers, Ground plus 10 upper floors with Rated Speed of 2.0 / 2.5 m/sec, (Electrical Sor 22-23, Chapter-13, Item Code;-13-1-AB (B) With General PLUS ADDITIONAL SPECIAL FEATURES attached herewith. Prem. Cat.)</p>				
		<p>(B) SPECIAL FEATURES DESCRIPTION OF LIFTS for PREMIUM category 1. Advanced control system dual 64 bit embedded microprocessor with CANBUS Serial Communication mode including Regenerative power efficient operation, on site programming facility, Anti nuisance, Pte-opening, BMS/RMS with necessary online real time monitoring system having necessary connectivity for remote monitoring & other suitable supporting hardware & software devices to fulfil the purpose. 2. Floor Indication LCD Display with call registration & brail mark with arrival gong and hall lantern & TFT Screen in the car with MP3 Voice Announcer. 3. CAR Panel should be Scratch resistive SS Moonrock finish / Hair Line / Honeycomb for car and all Doors, All landing doors must have fire rating up to 2 hours and car door must have multi-level crisscross beam door protection. 4. To & fro communication system & wiring (i.e. car , control room & guard room) and Each elevator are equipped with remote monitoring system.agency has to provide mobile app and user id and password for monitoring</p>				
HVAC WORK						
810	964.00	<p>Supply Installation of modular type Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), microprocessor based Controller, top discharge type condensing unit(s), with R410 A Refrigerant (Or Eco Friendly Green Gas if any), vibration isolators, with suitable foundation, MS Stand for Unit with necessary paint etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5. (Design should be got approval before execution from engineer in charge)</p>	0.00	0	Per Hp	0.00
811	22.00	<p>INDOOR UNIT Supply, installation, testing and commissioning of following minimum capacity 4-way/2 way/radial flow as per approval VRV Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V ± 10%, 50Hz AC supply, max noise level 60dB @ 400 cfm per TR(minimum) complete, as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature fresh air provision compatible for Remote Operation System 1 TR</p>	0.00	0	Nos.	0.00
812	53.00	...do... 1.2 TR	0.00	0	Nos.	0.00
813	204.00	...do... 1.6 TR	0.00	0	Nos.	0.00
814	115.00	...do... 2 TR	0.00	0	Nos.	0.00
815	3.00	...do... 2.4 TR	0.00	0	Nos.	0.00
816	41.00	...do... 2.8 TR	0.00	0	Nos.	0.00
817	8.00	...do... 3.2 TR	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
818	2.00	Supply, installation, testing and commissioning of following minimum capacity and external static pressure VRV ceiling mounted ductable type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, corded remote control, outer cabinet, vibration isolators, drain pan, other necessary supports etc., suitable for operation on single phase AC supply 230 V ± 10%, 50 Hz complete as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. High Static Ductable units (minimum 110 pascal external static pressure) 5.5 TR	0.00	0	Nos.	0.00
819	6.00	...do... 7.1 TR	0.00	0	Nos.	0.00
820	2.00	...do... 8 TR	0.00	0	Nos.	0.00
821	7.00	...do... 11.0 TR	0.00	0	Nos.	0.00
822	964.00	Central Control System Central wired Remote Control System	0.00	0	Per HP	0.00
823	580.00	Supply, Installation, testing and commissioning including Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-0 tubular insulation/with Class-0 closed cell elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc with necessary refrigerant joint as required : 6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
824	627.00	...do... 9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
825	482.00	...do... 12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
826	536.00	...do... 15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
827	793.00	...do... 19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
828	694.00	...do... 22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
829	475.00	...do... 25.4 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
830	602.00	...do... 28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
831	297.00	...do... 31.8 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
832	381.00	...do... 34.9 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
833	437.00	...do... 38.1 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
834	395.00	...do... 41.27 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	0.00	0	Mtr.	0.00
835	8360.00	Supply installation testing commissioning Shielded Shielded Control Cables for VRV System with necessary ISI mark Medium class rigid PVC pipes with necessary accessories with termination in machine and control equipments.. 3C X 1.5 Sq mm Shielded Armoured	0.00	0	Mtr.	0.00
836	535.00	Rigid UPVC drain pipe of 10 Kg/cm2. rating with 9 mm thick.nitrile rubber insulation. 40 mm dia.	0.00	0	Rmt.	0.00
837	696.00	...do... 32mm dia.	0.00	0	Rmt.	0.00
838	721.00	...do... 25 mm dia.	0.00	0	Rmt.	0.00
839	1.00	Floor Mounted Single skin Cabinet Type Exhaust air Units with DIDW type forward curved fan as per specification and of following capacities with Built- In Drive And Drive Package.(For Toilet Exhaust) 3000 CFM 50 MM ST PR.	0.00	0	Nos.	0.00
840	1.00	...do... 3600 CFM 50 MM ST PR.	0.00	0	Nos.	0.00
841	2.00	...do... 6000 CFM 50 MM ST PR.	0.00	0	Nos.	0.00
842	2840.00	Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required. Thickness 0.63 mm sheet	0.00	0	Sq.Mtr.	0.00
843	50.00	Supplying & fixing of powder coated extruded aluminium Return Air Grills but without volume control dampers complete as per specifications and size & shape as per site requirement and approved design.	0.00	0	Sq.Mtr.	0.00
844	53.00	Supplying, fixing testing commissioning of supply air diffuser of powder coated aluminium with aluminium volume control dampers and size & shape as per site requirement and approved design.	0.00	0	Sq.Mtr.	0.00
845	61.00	Supplying, fixing testing commissioning of Return air diffuser of powder coated aluminium without volume control dampers with anti smudge ring & removable core and size & shape as per site requirement and approved design..	0.00	0	Sq.Mtr.	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
846	1100.00	Supplying and fixing of following thickness mat finish closed cell Nitrile rubber (Class "O") insulation on existing duct after applying suitable adhesive for Nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required. 19mm	0.00	0	Sq.Mtr.	0.00
847	25.00	Supply, installation, testing and commissioning of GI volume control duct damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc, as per specifications.	0.00	0	Sq.Mtr.	0.00
848	700.00	Supply and fixing of acoustic lining of supply air duct and plenum having density of 32 kg/m ³ , with 25 mm X 25 mm GI section of 1.25 mm thick, at 600 mm centre to centre covered with Reinforced Plastic tissue paper and 0.5 mm thick perforated aluminum sheet fixed to inside surface of ducts with cadmium plated nuts, bolts, stick pins, CPRX compound etc. complete as required and as per specifications. 10 mm	0.00	0	Sq.Mtr.	0.00
ELV WORK						
849	2.00	FIRE ALARM SYSTEM Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel having IS or BS (EN 54) (Vds pproved) or NFPA 72 (UL/ULC/FM approved) with latest ammendment with central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5% V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specification. (a) 10 Loop Panel.	0.00	0	Nos.	0.00
850	3.00	Supplying, installation, testing & commissioning of repeater panel having IS or BS (EN 54) (Vds approved) or NFPA 72 (UL/ULC/FM approved) with Latest Amendment with 320 character/ Touch screen LCD display with inbuilt reset, acknowledge and silence switches complete as required.	0.00	0	Nos.	0.00
851	1.00	SITC of UL Listed Network Control Station complete with PC a GUI based main network software capable of graphically representing each facility being monitored with floor plans and icons depicting the actual locations of the various systems and/ or sensors' locations. The GUI software shall be located in control room and shall be capable of monitoring fire detectors & devices connected with each other.	0.00	0	Nos.	0.00
852	11000.00	SITC of 2 Core X 1.5 Sq.mmm FRLS twisted pair shielded, PVC insulated armoured copper conductor cable.	0.00	0	Mtrs.	0.00
853	500.00	SITC of Above Analogue Addressable Smoke Sensor which is fully compatible with Analogue Addressable Protocol, having removable high performance chamber with Twin fire LED's allow 360 degree viewing, User selectable sensitivity modes 1% to 4.5% obs/m, Incorporate Optical elements, lock mechanism (sensor to base), Electronically addressed, Pulsing/non-pulsing controlled from panel. Approved by LPCB & Vds.	0.00	0	Nos.	0.00
854	500.00	SITC of Below Analogue Addressable Smoke Sensor which is fully compatible with Analogue Addressable Protocol, having removable high performance chamber with Twin fire LED's allow 360 degree viewing, User selectable sensitivity modes 1% to 4.5% obs/m, Incorporate Optical elements, lock mechanism (sensor to base), Electronically addressed, Pulsing/non-pulsing controlled from panel. Approved by LPCB & Vds.	0.00	0	Nos.	0.00
855	500.00	Supplying, Installation, Testing & Commissioning of MS Powder coated red Colour Junction box with cover and 2 No. MS / SS side gland of 10 to 12mm armoured cable entry for fire alarm cable.	0.00	0	Nos.	0.00
856	4.00	SITC of Optical Beam Detector with transmitter and receiver set. The detector shall have 5 - 100 m range, Automatic compensation, Maximum coverage 1500m2, Automatic Signal strength adjustment, Emitter unit can be powered directly from zone (or loop), Features a Latching or Non- Latching fault relay, Full line continuity options, Approved by LPCB & Vds.	0.00	0	Nos.	0.00
857	43.00	Supplying, installation, testing & commissioning of addressable manual call point having IS or BS (EN 54) (Vds approved) or NFPA 72 (UL/ULC/FM approved) with Latest Amendment complete as required.	0.00	0	Nos.	0.00
858	43.00	Supplying, installation, testing & commissioning of addressable horn cum strobe having IS or BS (EN 54) (Vds approved) or NFPA 72 (UL/ULC/FM approved) with Latest Amendment complete as required.	0.00	0	Nos.	0.00
859	16.00	SITC of UL Listed Addressable Fire Fighters Telephone Jack with telephone module as per all requirements of contracts works.	0.00	0	Nos.	0.00
860	4.00	SITC of UL Listed Fire Fighters Telephone Receiver as per all requirements of contracts works UL/EN/ VDS Listed.	0.00	0	Nos.	0.00
861	3.00	SITC of Analogue Addressable Single Input Module. which Includes a single monitored input, flying leads for easy installation. Electronically addressed, Approved by LPCB & Vds.	0.00	0	Nos.	0.00
862	3.00	SITC of Analogue Addressable Single Output Module . which Includes a single output, flying leads for easy installation. Electronically addressed, Approved by LPCB & Vds.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
863	100.00	Supplying, installation, testing & commissioning of fault isolator having IS or BS (EN 54) (Vds approved) or NFPA 72 (UL/ULC/FM approved) with Latest Amendment complete with base as required.	0.00	0	Nos.	0.00
864	3.00	Supply Installation, Testing & Commissioning of Field Charging Power Supply required to provide 24VDC power to the Notification devices. The FCPS shall be supplied with all necessary enclosure and shall be monitored by the Fire Alarm Control Panel.	0.00	0	Nos.	0.00
865	500.00	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	0.00	0	Nos.	0.00
866	10.00	SITC of Latitude 2 Loop Card	0.00	0	Nos.	0.00
867	2.00	PA SYSTEM SITC of Message manager Highly flexible stand-alone digital message player Up to 12 messages and 12 trigger inputs Downloads messages from a PC in WAV format Compliant with standards for emergency sound systems Zone control for Plena system preamplifier LBB 1925/10 Front panel control and remote control	0.00	0	Nos.	0.00
868	3.00	SITC of 2 channel Class AB Professional Power Amplifier 2 x 450 W Power with Output Power ≥ 270W@8 ohms, ≥ 450W@4 Ohms for dual channel operation;Max Bridged Output Power ≥ 1300W @ 4 ohms Frequency Response (+/- 1dB) ref. 1 KHz:10 Hz to 40 kHz,Max input level:+21dBu,Crosstalk< - 80dB,input impedance:20kohm,signal to noise ratio >106 dB .Protection Audio limiters, High temperature, DC, HF, Back-EMF, Peak current limiters, Inrush current limiters, Turn on delay.	0.00	0	Nos.	0.00
869	4.00	Supply, Installation, Testing and Commissioning of Remote Microphone should have Condenser Type & Unidirectional Polar Pattern, Frequency response Should be 60-18KHz , Sensitivity should be -45dB , Impedance Should be 680 Ohms, SNR should be 58 dB , max. SPL Should be 110 dB s., Volatage range should be 3.5V to 1V, Elecrtical Loss Should be 1.5V.	0.00	0	Nos.	0.00
870	290.00	Supply, Installation, Testing and Commissioning of Commercial ceiling speaker with transformer should have Rated power output of 1.5W-3W-6W at 100V. It should have 5" coaxial paper woofer and 1.5" tweeter, Line input of 100V or 70V, 110-18KHz Frequency Response and 93dB SPL.	0.00	0	Nos.	0.00
871	7410.00	Supply, Installation, Testing and Commissioning of Speaker Cable 1.5 Sq.mm 2 Core twin Twisted cable with tin copper PVC Sheathed. (Rate taken as per SDR)	0.00	0	Mtr.	0.00
872	1.00	TELEPHONE / EPABX : SITC of Digital / PCM / TDM EPABX System having SMT design, system with flexible universal slots. Inbuilt Auto attendant facility, Minimum 15 nos. conference, Analog extension line, Calling GSM, E&M line, PRI / EI & VOIP program me through Analog telephone digital key from Ethernet, public address cord, shall have unrestricted simultaneous dialing facility, QSIG protocol on PRI, 95 / STD / ISD / Local-Locking, Class of Service, Quick Dial-Single Digit dialing of any two external number, Once only ring device, Boss/Secretary-Do not disturb Facility, Power Down Mode, Hot Line, Hot Outward Dialing, Day Night Mode, Auto Call Back, Barge-in, Call Pick Up & Call Transfer, Call transfer while Ringing with Voice Guide System, (DISA), Caller ID (CLI), CLI Base ECF, CLI Base routing Internet Ready Port, External Music Port, Call Budgeting, Call Most Calculation (ASMDR), DID Direct Inverse Dialing, External Music Input, Fax Homing, Global Directory Printing with following capacities [E] No of Extension 128, No of Junctions 24, No of expandable ports : 512, Operators Console - 01 Compatible : ISDN and Networking.	0.00	0	Nos.	0.00
873	3.00	providing and erecting add on Digital line card suitable for existing system of following ports - 16 Port.	0.00	0	Nos.	0.00
874	1.00	providing and erecting add on Digital PRI T1E1 single card suitable for existing system of following ports suitable for 30 channel.	0.00	0	Nos.	0.00
875	8.00	providing and erecting IP Phone with display with all IP system supported.	0.00	0	Nos.	0.00
876	279.00	Supplying & erecting push button type telephone instrument having speaker phone Caller ID & hands free dialing system & 30 memories with display system (a) Single line approved make	0.00	0	Nos.	0.00
877	3.00	Supplying & erecting Single line push button type Cord Less telephone instrument.	0.00	0	Nos.	0.00
878	279.00	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. (3) Two Pin/RJ-11 Telephone Socket [A] For One Gang Cat.III	0.00	0	Nos.	0.00
879	20.00	Providing & erecting main Distribution (MDF) indoor type, back mounted frame as per DoT standard approved with krone strips (a) Suitable for 10 pair	0.00	0	Nos.	0.00
880	10.00	Providing & erecting main Distribution (MDF) indoor type, back mounted frame as per DoT standard approved with krone strips (a) Suitable for 20 pair	0.00	0	Nos.	0.00
881	2.00	Providing & erecting main Distribution (MDF) indoor type, back mounted frame as per DoT standard approved with krone strips (d) Suitable for 100 pair	0.00	0	Nos.	0.00
882	2.00	Providing & erecting main Distribution (MDF) indoor type, back mounted frame as per DoT standard approved with krone strips (e) Suitable for 200 pair	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
883	1800.00	Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections. [A] Conductor Size 0.5 mm (a) Unarmoured 2) Two Pairs	0.00	0	Mtr.	0.00
884	800.00	Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections. (b) Armoured [Jelly Filled] 1) Ten Pairs	0.00	0	Mtr.	0.00
885	260.00	Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections. (b) Armoured [Jelly Filled] 4) One Hundred Pairs	0.00	0	Mtr.	0.00
886	400.00	NETWORKING : SITC of O. F.Cable 06F Outdoor - Armoured Unitube SM - HDPE Sheath.	0.00	0	Mtr.	0.00
887	3.00	SITC of LIU 12 PORT Rack Mount - Loaded (LC) SM.	0.00	0	Nos.	0.00
888	100.00	SITC of PIGTAIL LC SM SIMPLEX LENGTH- 1m.	0.00	0	Nos.	0.00
889	100.00	SITC of PATCH CORD LC-LC SM DUPLEX LENGTH- 3m	0.00	0	Nos.	0.00
890	2500.00	SITC of CAT6 UTP 23AWG Solid: Per Meter	0.00	0	Mtr.	0.00
891	402.00	SITC of Face Plate - Dual (Keystone Jack,square)	0.00	0	Nos.	0.00
892	600.00	SITC of Jack Cat 6 Keystone UTP	0.00	0	Nos.	0.00
893	3.00	SITC of Patch Panel Cat 6 UTP Keystone Type- 24 Port-Fully Loaded.	0.00	0	Nos.	0.00
894	120.00	SITC of CAT6 UTP 24AWG PATCH CORD:1M,Plug 30U' Snag less.	0.00	0	Nos.	0.00
895	120.00	SITC of CAT6 UTP 24AWG PATCH CORD:2M,Plug 30U' Snag less.	0.00	0	Nos.	0.00
896	25.00	SITC of 24 x 10/100/1000BASE-T PoE ports 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface 193 W PoE budget.	0.00	0	Nos.	0.00
897	1.00	Supply, Installation, Testing & Commissioning of L3 Layer Network Switch Having 24 Port Multigig Universal PoE switch with atleast 6 x 10G Uplink port. Having 625 Gbps and above switching capacity, 460 Mpps and Above forwarding Rates, having 32K and Above MAC ID, having 16GB or above Flash Memory and 8GB or AboveDRAM. The switch should support Digital Network Architecture and SD Access. The switch should support routing protocols like static routing, RIPv1, RIPv2, RIPv6, OSPF, BFPv4, EIGRP, IS-ISv4, IPv6 Routing etc from day one. The switch should support standard proocols: IEEE 802.1D STP, IEEE 802.1p CoS Prioritization; IEEE 802.1ab (LLDP); IEEE 802.3ab 1000Base-T; IEEE 802.3z 1000 Base-X; IEEE 802.3x Full Duplex on 10/100/1000 Base-T Ports; SNMP v1, V2c and V3; Safety Standards like UL; EN; IEC;EMC; RoHS. Detailed specifications as per Specification Sheet.	0.00	0	Nos.	0.00
898	59.00	Supply, Installation, Testing & Commissioning of Wireless Wifi Access Point.	0.00	0	Nos.	0.00
899	402.00	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. (8) Computer RJ-45 socket Cat.III	0.00	0	Nos.	0.00
900	50.00	Supply & Installation of 12-core Loose-tube, Gel-filled, 9/125 Single Mode OS2 Fiber Cabel where ever required in prelaidd conduits / RCC hume pipes/HDPE/DWC, whichever maybe available, as per technical specification etc. as required.	0.00	0	Mtr.	0.00
901	60.00	SITC of Fiber Optic Patch Cable (LC-LC), 3 Mtrs. Long, ISO/IEC-11801-OS2 9µ Duplex, LSZH All patch cords shall conform to EIA/TIA-568C.3 and ISO/IEC-11801 Length shall be 3 meters Shall be Duplex Multi Mode Fiber Optic Patch Cords OS2 9µ Shall support network line speeds up to 10 Gbps Shall have LC Connector jacks at both the ends Patch cords shall be factory terminated, Jacket Material-LSZH with necessary connections.	0.00	0	Nos.	0.00
902	2.00	Supply Installation Testing & Commissioning of 42U (800*1000) Indoor Floormount Rack with required accessories like 2x 10 socket PDU, 4 Fan, 5 Hardware Mounting Packet, 1 Equipment Tray.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DIScription	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
903	5.00	AV SYSTEM Supply, Installation, Testing and Commissioning of 6000 Lumens Laser Projector should have 16.3 mm Panel size, 16:10 aspect ratio, (1920 x 1200) x 3 Pixel Resolution. It should have 20,000 hours lamp life, 3,000,000:1 Contrast ratio, 85 % Center-to-corner zone ratio, +44 %, 0 % Vertical from center of screen, +20 %, -20 % Horizontal from center of screen. Keystone correction range should be ±25 ° vertical and ±35 ° Horizontal. It should have HDMI 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/30p signal input), Audio Signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz) HDMI 1/2 IN, D-sub 15-pin x 1 (RGB/YBPBR/YCBCR) COMPUTER 1 IN, D-sub 15-pin x 1 (RGB/YBPBR/YCBCR) (Input/output switching) COMPUTER 2 IN/OUT, Pin jack x 1 VIDEO IN, M3 stereo mini-jack x 2 AUDIO 1/2 IN, Pin jack (L/R) x 1 AUDIO 3 IN, M3 stereo mini-jack x 1 VARIABLE AUDIO OUT, D-sub 9-pin x 1 for computer control (RS-232C compliant) SERIAL IN, RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PLink™ (Class 2) LAN, RJ-45 x 1 for network and DIGITAL LINK connection, HDBase-T™ compliant, 100Base-TX, compatible with PLink™ (Class 2), HDCP, Deep Color, 4K/30p signal input DIGITAL LINK/LAN, USB connector (Type A) x 1 for Memory Viewer function, optional Wireless Module AJ-WM50, power supply (DC 5 V, maximum 2 A*3) USB. Power supply should be AC 100 V-240 V, 50/60 Hz and Power consumption should be 420W.	0.00	0	Nos.	0.00
904	5.00	SITC of 106 inch PVC MW Tab-Tension Tubular Motorized Screen with RF remote, Aspect Ratio-16:9	0.00	0	Nos.	0.00
905	5.00	Supply, Installation, Testing and Commissioning of Ceiling Mount Kit for 6000 Lumens Projector.	0.00	0	Nos.	0.00
906	10.00	Supply, Installation, Testing and Commissioning of Handheld Wireless Mic with Cardioid polar pattern, Dynamic microphone, frequency response 80Hz-18kHz, RF sensitivity < 1.0 Uv, Image rejection > 55dB, Dynamic range > 95dB and receiver having 30 or more channels possible, S/N ratio > 100dB A, dynamic range > 95dB B, distortion < 1 %, frequency band: 618-634MHz, more than 12hrs battery life with AA battery. The transmitter & receiver should be of metal body	0.00	0	Nos.	0.00
907	6.00	Supply, Installation, Testing and Commissioning of Wireless Mic Lapel with condenser, frequency response 100Hz-15kHz, Cardioid polar pattern, RF sensitivity < 1.0 Uv, Image rejection > 55dB, Dynamic range > 95dB and receiver having 32 channels possible, S/N ratio > 100dB A, dynamic range > 95dB B, distortion < 1 %, frequency band: 618-634MHz, more than 12hrs battery life with AA battery. The transmitter & receiver should be of metal body	0.00	0	Nos.	0.00
908	19.00	Supply, Installation, Testing and Commissioning of Pop UP Box should provide an extremely simple, affordable and elegant single-push pop-up multi-connection solution. By pressing down gently on the lid, the unit opens and closes pneumatically, fast and easy to install and flexible to configure, should have HDMI, USB, 5 AMP Power Plug, Bell Push, RJ45, VGA, Audio, CAT6 inputs. (Rates are taken as per current SOR)	0.00	0	Nos.	0.00
909	4.00	Supply, Installation, Testing and Commissioning of 55 Inch 500 NTS Brightness professional Display with Direct-Type LED, Viewing Angle : 178 Degree Verti, 178 Degree Hor. Operation 27x7, Native Resolution 3840 x 2160 (16:9) - UHD, 4 x USB (2 x 2.0, 1 x 2.0 internal, 1 x Type C), 0-40°C, ≤0.5 W, HTML 5 Browser Opera(4.9), Yes(internal) IEEE 802.11 a/b/g/n Dual WiFi certified, BIS, YES CLASS A 3dB margin.	0.00	0	Nos.	0.00
910	8.00	Supply, Installation, Testing and Commissioning of Wall Bracket for 43" / 55" Display.	0.00	0	Nos.	0.00
911	5.00	Supply, Installation, Testing and Commissioning of high-performance 4 x 4 HDMI switcher should be able to relocks and equalizes the signals and can route any one of four HDMI, HDCP-compliant sources (selectable) to any or all outputs simultaneously. System should have control option of RS-232 serial commands transmitted by a PC, IR or Ethernet port via LAN, should have 6.75Gbps data rate, HDTV Compatible, 4 HDMI IN, 4 HDMI OUT, 0°C to 40°C operating temperature with 10% to 90% humidity, -40°C to 70°C Storage Temperature.	0.00	0	Nos.	0.00
912	29.00	Supply, Installation, Testing and Commissioning of HDMI Extender Set with Bidirectional IR with EQ and EDID management should have point to point extension of HDMI over UTP supporting 1080p@60hz/24bit video and audio up to 40m/131ft along a single Cat5e/6 cable, should support all high definition resolutions like 1080p, 1080i, 720p with screen refresh rates of 24Hz, 30Hz, 50Hz and 60Hz, should transmits discrete wide-band bidirectional IR control signal together within the HDMI signal over UTP, includes wide-band and dual-band IR Receivers for improved IR performance, extensive EDID management on Transmitter and EQ management on Receiver for improved communication between connected devices and transmission over cable distances, low profile chassis of 17mm / 0.67" for easier, more convenient installations behind screens at display zones, full 3D compatibility, extenders cascable up to 7 times within a single output zone, 24bit True Color, cable termination follows IEEE-568B standards, HDCP compliant, should be with additional power via phoenix connection, LED indication for visual confirmation of power supply to units and signal status to show established connection between connected devices.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
913	1.00	Supply, Installation, Testing and Commissioning of 12, 000 lumens Laser Projector should have 17.0 mm –panel, 16:10 aspect ratio, 1920 × 1200 pixels resolution, 1.7–2.4:1 throw ratio. It should have 90% center to corner uniformity, 10,000:1 contrast ratio, 20000 hours lamp life. It should have ± 40° Vertical keystone correction, ± 15° horizontal keystone correction, 41dB operating noise, 0°C (32°F) to +45°C (113°F) operating temperature, 10% to 80% humidity. It should have I/O connectors as BNC × 1, HDMI 19-pin × 1, DVI-D 24-pin × 1, RGB 1 IN BNC x 5, RGB 2 IN D-sub HD 15-pin (female) × 1, SERIAL/MULTI PROJECTOR SYNC IND-sub 9-pin (female) ×1 for external control (RS-232C compliant), SERIAL/MULTI PROJECTOR SYNC OUT D-sub 9-pin (male) × 1, REMOTE 1 IN M3 jack x 1 for wired remote control, REMOTE 1 OUT M3 jack x 1 for link control (for wired remote control), REMOTE 2 IN D-sub 9-pin (female) ×1 for external control , LAN/DIGITAL LINK RJ-45 x 1 for network and DIGITAL LINK.	0.00	0	Nos.	0.00
914	1.00	Supply, Installation, Testing and Commissioning of short throw lense from same OEM.	0.00	0	Nos.	0.00
915	1.00	Supply, Installation, Testing and Commissioning of 283" dia. (150" x 240") Motorized Screen with RF / IR Remote control. The reflection light are evenly distributed with less than 60K difference between incident angle and reflection angle. It should have last long flatness with four layer structure including fiberglass, Stretchness less than 1% which ensures the last-long flatness. Sophisticated images engraved with optical microgroove on the surface, with resolution more than 125 line pairs per mm, which ensures the sharpness of the projected images. It should have wide colour range with high contrast processment, while maintaing the colour accuracy and colour range is widely presented to provided a more vivid image.	0.00	0	Nos.	0.00
916	1.00	Supply, Installation, Testing and Commissioning of Ceiling Mount Kit for 12000 Lumens Projector.	0.00	0	Nos.	0.00
917	1.00	Supply, Installation Testing & Commissioning of 1:4 HDMI Distribution Amplifier w/4K60 4:4:4 & HDR Support as per the detailed Specifications	0.00	0	Nos.	0.00
918	8.00	Supply, Installation, Testing and Commissioning of 8" Dual line array speaker system with class "D" power amplifier is made for Installation / Live Application with different size to match different requirement, line array system is suitable for a wide range of sound reinforcement applications from small scale concerts to theatres where sound quality is crucial. Multi-Factional FOH system, Discreet and handy rigging system, Compact and lightweight cabinet, Active available in "Plug & Play" version, DSP and amplifier are best in industries. It should have 60Hz~20KHz (±3dB) Frequency range, Speaker:450W/900W/1800W HF: 40W/80W/160W Power capacity AES / Program / Peak power, MF/8 Ohm/HF 4 Ohm Impedance, Speaker 100dB and HF:114dB Sensitivity, 121dB/HF:131dB Max. SPL. ≥400 Damping Factor, <0.05% Distortion, 600W+600W/4Ω Power out put.	0.00	0	Nos.	0.00
919	4.00	Supply, Installation, Testing and Commissioning of High Output Dual 18" Subwoofer with Frequency Range (-10 dB): 31 Hz - 250 Hz, Sensitivity>=102 dB (1 watt@1m),Maximum Peak Output: 139 dB (@1m) ,Power Handling pk.4,800 watts or better	0.00	0	Nos.	0.00
920	8.00	Supply, Installation, Testing and Commissioning of 2-way surround loudspeaker having 8" (203.2 mm) base driver with 2"(50.8 mm) copper voice coil for exceptional low frequency (55Hz) bandwidth reproduction and it go up to 5kHz. Within built 2-way passive cross over and a unique conical coverage design of 135°. It should have 55 Hz to 16 kHz Frequency Response, 97 db Sensitivity, 119 db Maximum continuous SPL, 125 db Maximum Peak SPL, 8Ω Impedance, 225 Watt AES Power / 900 Watt Peak Power, 225 - 250 Watt maximum recommended Amplifier Power.	0.00	0	Nos.	0.00
921	4.00	Supply, Installation, Testing and Commissioning of Frontfill Speaker having 8" (203.2 mm) base driver with 2"(50.8 mm) copper voice coil for exceptional low frequency (55Hz) bandwidth reproduction and it go up to 5kHz. Within built 2-way passive cross over and a unique conical coverage design of 135°. It should have 55 Hz to 16 kHz Frequency Response, 97 db Sensitivity, 119 db Maximum continuous SPL, 125 db Maximum Peak SPL, 8Ω Impedance, 225 Watt AES Power / 900 Watt Peak Power, 225 - 250 Watt maximum recommended Amplifier Power.	0.00	0	Nos.	0.00
922	4.00	Supply, Installation, Testing and Commissioning of 500 Watt AES / 2000W Peak 2 Way 12" Loudspeaker having Neodymium light weight with non-inductive motorsystem to control magnetic flux and reduce third harmonic and inter modulation distortion. Paper corn glass fiber material, Frequency response: 40 Hz - 3.5 kHz, Nominal dispersion: 80° H x 60° V @ -6 dB points, Maximum SPL 98dB peak,Crossover type: Active Transducers 1 x 12" (308.5 mm) LF driver 1 x 1" (25.4 mm) HF compression driver.	0.00	0	Nos.	0.00
923	3.00	Supply, Installation, Testing and Commissioning of 4-Channel Powerful, stable tour sound amplifier with Superior sound quality and Higher operational reliability. It should have minimum 110dB Signal Noise Ratio, 2200Watt per channel, 600 Damping Factor, 20HZ-20KHZ ±0.5db Frequency Response, 3-pin XLR, electronically balanced Input connectors per channel, XLR, 3 pin male Link connectors per channel. Input Impedance should be 20KΩ Balanced and 10KΩ Unbalanced and NEUTRIK Speakon output Connectors.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
924	2.00	Supply, Installation, Testing and Commissioning of Power Amplifier having a Superior sound quality, Low THD and High dumping factor for excellent sound quality, 4 High speed steplless fans. It should have 2x2800w 8 Ω power, 2x3900w 4 Ω power, 20HZ-20KHZ ±0.5dB Frequency Response, <0.08% THD, >110dB Signal Noise Ratio, 1000 Damping Factor , 3-pin XLR, electronically balanced per channel input connectors, XLR, 3 pin male per channel link connectors. Input impedance should be 20KΩ Balanced and 10KΩ Unbalanced. Power requirement should be 200-240V-50-60Hz.	0.00	0	Nos.	0.00
925	2.00	Supply, Installation, Testing and Commissioning of Crossover having Professional stereo 2-way/3-way/mono 4-way crossover featuring state-of-the-art Linkwitz-Riley filters with 24 dB/octave, Adjustable time delay for phase alignment between drivers, Switchable 25 Hz Low cut filter on each input for low-frequency driver protection.	0.00	0	Nos.	0.00
926	4.00	Supply, Installation, Testing and Commissioning of highly versatile cardioid dynamic vocal microphone should have uniform cardioid pickup pattern which isolates the main sound source and minimizes background noise, frequency response from 50 Hz to 15000Hz, sensitivity -54.5 dBV/Pa (1.85 mV) at 1,000 Hz Open Circuit Voltage, 150Ω rated impedance for connection to microphone inputs rated low impedance, should be with built-in spherical wind and pop filter, supplied with break-resistant stand adapter which rotates 180 degrees, XLR male type connector.	0.00	0	Nos.	0.00
927	4.00	Supply, Installation, Testing and Commissioning of Dynamic Multi Purpose Microphone with 50 to 15,000 Hz Frequency Responce and 600 ohm Impedance. It helps to reduce feedback, while the wide frequency response and high output deliver excellent sound quality. It should have -52 dBV/Pa* at 1kHz *1 Pa=94 dB SPL Output Level and XLR-¼" (6.3 mm) Output Connection.	0.00	0	Nos.	0.00
928	6.00	Supply, Installation, Testing and Commissioning of Electret Condenser type Boundary Microphones should have features like programmable, silent membrane switches, logic inputs and outputs, and green LED indicators, Flat frequency response across the vocal range for uncolored sound, Interchangeable cartridges that provide a choice of polar pattern for each application, Sleek, low-profile design for surface mounting, Programmable mute button, RF filtering etc. Microphone should have 50 to 17000 Hz frequency response, cardioid polar pattern, 180 Ω Output Impedance, Maximum 119 dB SPL, 23 dB SPL Equivalent Output Noise, 71 dB Signal-to-Noise Ratio, 96 dB Dynamic Range, and minimum 45 dB Common Mode Rejection.	0.00	0	Nos.	0.00
929	6.00	Supply, Installation, Testing and Commissioning of Condenser Overhead Microphone with 50 to 17,000 Hz Frequency Response. It should have Wide dynamic range and frequency response for accurate sound reproduction across the audio spectrum. Interchangeable cartridges that provide an optimal polar pattern choice for each application. It should have minimum 175 ohms Impedance, 10 to 52 Vdc phantom, 2.0 mA Phantom Power required. Balanced, transformerless output for increased immunity to noise over long cable runs. These microphones provide accurate sound reproduction with minimum RF interference or electromagnetic hum.	0.00	0	Nos.	0.00
930	2.00	Supply, Installation, Testing and Commissioning of Wireless antenna distribution system that allows for the expansion of wireless microphone systems by splitting one pair of antennas to multiple receivers, should amplify RF signals to compensate for insertion loss that results from splitting signal power to multiple outputs. System should support up to five wireless receivers. System should be supplied with passive wide band UHF omnidirectional antenna which is weather resistant and suitable for use outdoors with required mounting kit and antenna cable, Wideband antenna amplifier for wireless systems with BNC connector and cables, RF frequency range from 174 to 1805 MHz, Bias voltage of 15V DC, 50 Ω Impedance and gain range between -1dB to 1dB. Antenna amplifier should provide more flexibility in wireless installations by increasing the allowable length of cable runs between a receiver and antenna, should be with Two-position gain selector switch +6 and +12 dB, Overload LED indication, Low-noise signal amplifier compensates for insertion loss in coaxial cable, Integrated threaded adapter mounts easily to microphone stands or the supplied surface-mount bracket, should be with quality, ruggedness, and reliability, BNC type connector, should have 50 Ω impedance, signal gain range between +6 dB to +12 dB, absolute maximum RF input should be +5 dBm and RF overload LED threshold be -5dBm as per technical specifications as required.	0.00	0	Nos.	0.00
931	2.00	Supply, Installation, Testing and Commissioning of Active directional UHF antenna with integrated amplifier for improved wireless signal reception should compatible with all wireless receivers and antenna distribution systems that provide 12 V DC bias, four-position gain selector switch, low-noise signal amplifier that compensates for transmission loss in coaxial cable, integrated threaded adapter that mounts easily to microphones stands, legendary quality and reliability.	0.00	0	Nos.	0.00
932	2.00	Supply, Installation, Testing and Commissioning of coaxial antenna cable should have BNC type connector, 50 ohm impedance, should run up to 50 feet or more.	0.00	0	Nos.	0.00
933	4.00	Supplying microphones stands with sturdy mechanism, treble free movement & positioning of microphones, free from rust with superior quality of chrome plating with following size. (b) Fixed height 35 cm & extendable up to 53 cm, with round base of dia. 16 cms.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
934	4.00	Supplying microphones stands with sturdy mechanism, treble free movement & positioning of microphones, free from rust with superior quality of chrome plating with following size. (c)Fixed height 91 cms. & extendable up to 62 cms. with round base of dia. 23 cms.	0.00	0	Nos.	0.00
935	1.00	Supply, Installation, Testing and Commissioning of 24 x 24 audio matrix and system controller with 12 mic/line level inputs, 8 line level outputs, electronically symmetric, Frequency Response 20 Hz to 20 kHz (±0.5 dB), Signal to Noise Ratio > 115 dB, THD+N < 0.002 %, Common Mode Rejection > 70 dB, Sampling rate 48 kHz / 96 kHz, Dante synchronized, Signal Delay / Latency Analog In to Analog Out, 48 kHz / 96 kHz < 0.45 ms / < 0.22 ms, Signal Processing 32/40 bit, floating point, Filter PEQ, Lo pass, Hi pass, Loshelv, Hishelv, X-Over, FIR, Dynamics Ducker, Compressor, Noise gate, Limiter Peak (PA) limiter, RMS / TEMP limiter, Pilot tone Generator, Detector with Notch, Generators Sine, Pink noise, White noise, Mixer/Router Router, Mixer, Matrix Mixer, VU Meter, Level, Polarity, Mute, Delay. Network Audio Inputs 24 channels, 48 kHz / 96 kHz, Dante format, Network Audio Outputs 24 channels, 48 kHz / 96 kHz, Dante format ,	0.00	0	Nos.	0.00
936	4.00	Supply, Installaton, Testing and Commissioning of Stage Box with 4 XLR Connectors.	0.00	0	Nos.	0.00
937	1.00	Supply Installation Testing & Commissioning of 42U (800*1000) Indoor Floormount Rack with required accessories like 2x 10 socket PDU, 4 Fan, 5 Hardware Mounting Packet, 1 Equipment Tray.	0.00	0	Nos.	0.00
938	3.00	Supplrt, Installation, Testing and Commissioning of Fixed FOH Lighting bar/winch of required length constructed with an dual construction light bar with an Mild Steel 40NB 48OD black matt finish with an supporting flat patti of height 200mm x 50mm x 6mm thickness for the extra support with 2 holes of 10mm diameter to fix the cable tray on the bar.It shall be hanged from the roof to accommodate various type of stage light fittings. It should hang from the roof with MS anglewhich is suspended from the fish plate of 5mm thickness which is fixed on the rcc roof with 4 anchor fastners of 10mm which can take an total load of 400KG each fastner.Made out of 48mm Outer Dai,40 Nominal Bore Material for the light bar shall be of Mild Steel Pipe.Dual Barrel Arrangement Powder coated with Matt black Texture Fixing Through Suspenders as per site conditions Dual Construction and an additional End Caps on the Pipe end shall be there Light barLength shall be of customized type as per site condition.Upper pipe of dual construction is used to anchor the bar lower pipe is effectively used to hang the light fixtures.	0.00	0	Nos.	0.00
939	2.00	Supply, Installation, Testing and Commissioning of Fixed stage side Ladder as per the design.With an Mild Steel 40NB 48 OD black matt finish. It should hang from the roof with MS anglewhich is suspended from the fish plate of 5mm.Size of 600mm x 1400mm, Manual movable Made out of 40NB 48 OD Mild steel pipe dual barrel Dual Barrel Arrangement Powder coated with Matt black Texture Single Construction with Cross connecting pipes Cross connecting Pipes at every 600mm Ladder can be moved along the track or adjusted as required, Spud & Trolley, Pivoted or Fixed Suspenders as per site conditions Round pipe welded to create square frame Heavy duty trolly to hold and rotate wing frame Single Construction with Cross connecting Pipes at every 600mm Ladder can be moved along the track	0.00	0	Nos.	0.00
940	24.00	Supply, Installation, Testing and Commissioning of LED Par Light with 54 LEDs 3W 15°, DMX 512 protocol - 8 DMX channels, RGB color changing! Strobe effect , Auto play with internal programs, Power supply: AC 100V-AC240V 50/60 Hz,Consumption: 115W Waterproof : IP65.	0.00	0	Nos.	0.00
941	4.00	Supply, Installation, Testing and Commissioning of Profile Light with AC100V-250V, 50Hz-60Hz Voltage. It should have over 50,000 hour LED life time, small volume, light weight, high quality optical system. Beam angle can be adjusted by hand. It should have IP20 ratio, glass reflector, 2 channel DMX. should have DMX, Autorun and master/slave control mode.	0.00	0	Nos.	0.00
942	6.00	Supply, Installation, Testing & Commissioning Blinder Light having 4 pcs with 50W or 100W light source, more than 50,000 hours light source life. It should have AC 100V-240V / 50-60Hz rated voltage, 180W / 260W / 520W total power consumption, 30 degree lens angle. Each lamp can be individullay controlled. It should control by DMX 512, Master and slave mode, self-propelled mode, independent mode, voice mode. It should have IP20 waterproofing.	0.00	0	Nos.	0.00
943	4.00	Supply, Installation, Testing and Commissioning of Multi 10 light with 1 kwrt halogen with R7s springloaded holders. Aluminium parabolic relector of anodised aluminium. Hard soft arrangement with lever at back of steel deep drawn body of 20g sheet. On off switch 10amp in the 3core wire with rubber 3pin top.	0.00	0	Nos.	0.00
944	4.00	Supply, Installation,Testing and Commissioning of Multi 20 light with 2000watt RTS 127mm linear Quartz Tungsten Halogen Tube, RTS/RX7s with Silver tip contact. Socket, 10Amps. Double pole toggle switch, CRC sheet metal with smooth high temperature with standing black paint.	0.00	0	Nos.	0.00
945	2.00	Supply, Installation, Testing and Commissioning of Moving Head with 350W total power of lamps, number of channel should be 16. Scanning angle should be X-540° Y-270° and 16 bit / 8 bit control, dual sensor positioning, with alumic error correction function, optical system. It should have high precision glass combination lens, 0-9 degree light speed angle, 0-100% linear focus. Input voltage should be AC 100V-240V / 50-60Hz. Protection level should be IP20.	0.00	0	Nos.	0.00

SCHEDULE B						
ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
946	44.00	Supply, Installation, Testing and Commissioning of C Clamp for mounting Stage Lights.	0.00	0	Nos.	0.00
947	1.00	Supply, Installation, Testing and Commissioning of Main Curtain required length, center parting with overlap of 0.6 mtr provided with Heavy duty prefabricated modular curtain track duly electroplated and zinc passivated to be all weather proof, complete with mounting brackets. Electromechanical drive unit with 1HP Motor, GI wire ropes of 4 mm in diameter constructed with 7 bundles of 7 strands with central core at center, Curtain holding trollies consisting of 4-wheeler master trolley and 2-wheeler trolley placed uniformly at specific interval of 200mm throughout the curtain track. System to be complete with necessary Divertor and tension pulley.	0.00	0	Nos.	0.00
948	1.00	Supply, Installation, Testing and Commissioning of Rear track system required length, centre parting with overlap of 0.6 mtr provided with Heavy duty prefabricated modular curtain track duly electroplated and zinc pasivated to be all weather prrof, complete with mounting brackets. Electromechanical drive unit with 1HP Motor, GI wire ropes of 4 mm in diameter constructed with 7 bundles of 7 strands with central core at center, Curtain holding trollies consisting of 4 wheeler master trolley and 2 wheeler trolley placed uniformly at specific interval of 200mm throughout the curtain track. System to be complete with necessary Divertor and tension pulley.	0.00	0	Nos.	0.00
949	6.00	Supply, Installation, Testing and Commissioning of Wings(sliding partition) made out of black/blue glazed cotton cloth(FR) with fixed of MS 50mm x 25mm x 16G mspipe welded frame work. The pipe framework made out of 25mm x 50 mm pipe. c/c 900 x 900 fixed with overhead pivote track and bottom channel etc. complete with duly painted on both framework.	0.00	0	Nos.	0.00
950	4.00	Supply, Installation, Testing and Commissioning of Fixed Frill bar of required length, made using 30 NB GI Pipe finished with two coats of Red Oxide prmer and one coat of enamel paint and fixed with specially designed clamp to be suspended from the ceiling structural grid @ every 2000mm.	0.00	0	Nos.	0.00
951	190.00	Supply, Installation, Testing and Commissioning of MS angle gridover of 1000 x 1000 centre to centre,over the stage for supporting stage equipment in position twin 50x50x5mm MS angle with welded connection, suspended from ceiling structure/ slab by MS flat suspenders with expansion fasteners / Welded to main members of the truss, fixed to wall/beam on side s and front / back wall of stage duly supported with MS plate with expansion fasteners etc. painted black with 2 coats of paint and coat of primer.	0.00	0	Mtr.	0.00
952	1.00	Supply, Installation, Testing and Commissioning of DMX Controller having 192 DMX Control channels. It should have 12 scan keys, each corresponding to 16 channels, has 30 stores, each store can be stored in 8 scenes 8 channel push rod, speical rocker and cross key, can be directly and quickly realise the co-ordinates of the control and sensitivity adjustment, useful for all out function. Voltage should be AC 110V-120V, 220V-230V / 50-60Hz.	0.00	0	Nos.	0.00
953	1.00	Supply, Installation, Testing and Commissioning of Mini Pearl board with built in graphic track generator, with 135 built in graphics, easy for users to computer graphics track control, picturesque circle, spiral, rainbow, chase and other effects. It should have DMX 512 / 1990 standard, 1024 DMX control channels. Power Supply should be AC 100V-240V / 50Hz-60Hz. Multiple Scenes can be stored in 600 steps.	0.00	0	Nos.	0.00
954	2.00	Supply, Installation, Testing and Commissioning of 6 channel, 4KW dimmer power pack, three phase operation with over-voltage shut down, DMX 512 and analog 0-10V DC inputs, Digital USITT (1990) DMX 512 with 44 Hz refresh rate, DMX 512 (A) via factory programming, digital audio frequency tracking 45Hz-65Hz, LCD display with menu for setup, direct dimming via front panel controls, built in sequence mode and speed control, 180uS rise time Preferred.	0.00	0	Nos.	0.00
955	1.00	Supply, Installation, Testing and Commissioning of DMX Splitter with 16W power, DMX 512 digital signal. It should have 2 input channel, 8 DMX signal amplifier output, independent power indicator light. It should be fully isolated, DMX 512 signal amplificatin function, to extend signal tansmission distance, DMX 512 put distribution system, number of DMX after the stage to share a set of control system. Power Supply should be AC 110V-120V, 220V-230V / 50-60Hz.	0.00	0	Nos.	0.00
956	44.00	Supply, Installation, Testing and Commissioning of MS sheet metal fabricated DMX junction box made up of 16 SWG CRCA sheet undergone through various chemical treatment to keep them rust free and duly finished with two coats of Red Oxide primer and one coat of enamel paint and fitted with 3/5 pin XLR DMX connector.	0.00	0	Nos.	0.00
957	1.00	Supply, Installation, Testing and Commissioning of Direct lighting power distribution board undergone through various chemical treatement to keep them rust free and duly finished with two coats of Red Oxide prmer and one coat of enamel paint with matt black finish 12 Way SPN, for controlling the floor points.	0.00	0	Nos.	0.00
958	1.00	Supply Installation Testing & Commissioning of 24U 600 x 800mm Indoor Floormount Rack with required accessories like 6 socket PDU, 2/4 Fan, 2 Hardware Mounting Packet, 1 Equipment Tray.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
959	1.00	Supplying and erecting approved make online Un-interruptible Power Supply system with IGBT Based rectifier and Inverter & sealed maintenance free batteries. Single phase Input and Single Phase output with Inbuilt Isolation transformer with 0.8 load power factor with battery, over under voltage output with over load & short circuit protection equipment. The system housed in CRC sheet duly powder coated paint with following capacity & with Following size of batteries for 30 Min Backup (Minimum 5376 VAh) 5 KVA UPS with 28 AH, 16 Nos. Battery Certification : BIS	0.00	0	Nos.	0.00
960	30.00	Supply Installation Testing & Commissioning of On-Board Computer OPS (Core i7 Processor, 8 GB RAM, 256 GB SSD) with the software as per the detailed Specifications	0.00	0	Nos.	0.00
961	90.00	Supply, Installation, Testing and Commissioning of 6" Wall Mount Speaker should have Rated power output 40W, 20W, 10W, 5W at 100V, 6" woofer and 1.5" tweeter two way speaker units, Line input 100V or 70V, 100Hz to 20kHz frequency response, 89dB SPL.	0.00	0	Nos.	0.00
962	6.00	Supply , installation , testing and commissioning of 8" two way Compact Indoor type wall mount Music Loudspeaker:Frequency range (-10dB) of 50Hz – 20 kHz Power handling of 90W Continuous, 360 Watt peak; Nominal dispersion of 90 H X 90 V; Powder-coated Zinc plated grille; Brackets with pitch/yaw adjustment included complete with standard accessories or Better,The system shall be weather resistant to IEC 60068-2-5 Solar Radiation, IEC 60068-2-11 Salt Mist,IEC 60068-2-42 SO2, IEC 60068-2-60 Chlorine, and IEC 60529 IP54 test conditions. The enclosure shall be molded of fire rated ABS plastic. (Pair)	0.00	0	Pair	0.00
963	12.00	Supply, Installation, Testing and Commissioning of Bracket for 8" Speaker.	0.00	0	Nos.	0.00
964	4.00	Supply, Installation, Testing and Commissioning of 500W Amplifier can be connected to various input sources like PA Mixer, DJ Mixer, Microphone, CD player, Cassette Player, Keyboard etc. Built in protection against over voltage in AC mains supply. LED indicators for Power, Signal, Overload, Temperature and Fault conditions. Protection against short circuit and overload provided by Circuit protector device. It should have 50-15000 HZ ±3 dB Frequency Response, AC: 220-240, 50 / 60Hz Power Supply. Input Impedence : 200mV at 100KΩ, 10K at 1V INPUT, Speaker Output : 2Ω, 4Ω, 70V, 100V Line, THD : 10%.	0.00	0	Nos.	0.00
965	4.00	Supply, Installation, Testing and Commissioning of Digital Audio Processor Should have 16-channel balanced input audio channel,16 balanced audio output channels,16-channel independent adaptive feedback suppressor,each Input channel Should have pre-amplifier, noise gate, compressor,16-band parametric equalization, delayer & per Output channel 16-band parametric equalization,frequency divider, high and low pass filter, limiter, delayer,Should have Built-in signal generator,Should Support RS-232,Should Support 32 sets of scene preset functions,Maximum input level Should be +20dBu,input impedance Should be >5 kΩ balanced & >3kΩ unbalanced,Common mode rejection ratio Should be >70dB @ 1 kHz,Phantom power supply Should be +48 V DC,Output impedance Should be 600 Ω balanced,Frequency response Shuld be 20 Hz – 20 kHz,Dynamic range Should be 114 dB,Total harmonic distortion Should be <0.01%,Power supply Should be 100~240VA, 50/60 Hz,Power Consumption Should be 75W.	0.00	0	Nos.	0.00
966	4.00	Supply Installation Testing & Commissioning of 20U 600 x 800mm Indoor Floormount Rack with required accessories like 6 socket PDU, 2/4 Fan, 2 Hardware Mounting Packet, 1 Equipment Tray.	0.00	0	Nos.	0.00
967	6.00	SITC of 65" Smart Interactive 4K display 7H hardness toughen anti glared glass Inbuilt Android 8.0, RAM 3 GB, 16 GB ROM 10 Points Touch in Android and 20 points Touch in Windows Smart Object recognition and responsive multi-touch Multiple Inputs for connectivity 15W x 2 Speakers Inbuilt Screen Sharing Software Slimmer Frame Customize GUI Wireless presentation with Quad View Option Broadcast upto 200 Devices Remote Display Management.	0.00	0	Nos.	0.00
968	6.00	Supply, Installation, Testing and Commissioning of Bracket for 65" Interactive Display.	0.00	0	Nos.	0.00
969	6.00	Supply, Installation, Testing and Commissioning of Table Array Speakerphone Should have 9 built-in microphones pick up voices from 360 degrees; Built-in digital signal processing includes state-of-the-art acoustic echo cancellation,automatic gain control, noise cancellation, and de-reverberation algorithms; Should have LED lights indicate voice direction and device status, Should have Controls on the device include Volume Up, Down, and Mute; Should have RJ45 and USB Type B Connector, Frequency Response Should be 50 Hz to 16 kHz; Noise Cancellation Should be >15dB, Acoustic Echo Cancellation Should be >40dB, Speaker Power Handling Should be 4 watts (RMS).	0.00	0	Nos.	0.00
970	6.00	Supply, Installation, Testing and Commissioning of 8 port Network Switch with RAM: 512 KB, Cabling Type: Ethernet 1000Base-T, Ethernet 100Base-TX, Ethernet 10Base-T, MAC Address Table Size: 8K entries, Remote Management Protocol: HTTP, SNMP 1, SNMP 2, TFTP, Telnet, Data Transfer Rate: 1 Gbps, Voltage AC 120/230 V 50/60 Hz, Power Consumption: 17.4 Watt.	0.00	0	Nos.	0.00
971	1.00	Supply, Installation, Testing and Commissioning of Active Matrix LED Wall with intelligent Video Processor, with minimum size of 12.6' x 7.8' should be managable from front, mounted on custom design fabrication, size of each cabinet should be minimum 640 x 480 and depth 60mm max. Each panel resolution should be min. 256 x 192. Panel should be light weight and max. 8kg. per panel made out of alluminium die cast. Brightness should be more than 650 nit. Refresh rate should be 1920 to 3840, contrast ration should be 4000:1, color temprature 6500, viewing angle 140 x 140, IP protection IP40 front side, back side IP21.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRIPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
972	4.00	SITC of 43 Inch 500 NTS Brightness professional Display with Direct-Type LED, Viewing Angle : 178 Degree Verti, 178 Degree Hor. Operation 27x7, Native Resolution 3840 x 2160 (16:9) - UHD, 4 x USB (2 x 2.0, 1 x 2.0 internal, 1 x Type C), 0-40°C, ≤0.5 W, HTML 5 Browser Opera(4.9), Yes(internal) IEEE 802.11 a/b/g/n Dual WiFi certified, BIS, YES CLASS A 3dB margin.	0.00	0	Nos.	0.00
973	1.00	SITC of Chairman Unit shall enable the user to function as chairman of a conference or meeting. It shall be similar in appearance to the Delegate Unit, and shall also include a 'chairman priority button. When pressed, the priority button shall cause all currently active delegate microphones to be temporarily or permanently muted, allowing the chairman to take control of the meeting. To prevent acoustic feedback, the built-in loudspeaker shall be muted when the microphone is on, and/or the headphones are connected. An optional chime shall be selectable to precede chairman priority calls.	0.00	0	Nos.	0.00
974	23.00	SITC of Delegate Unit shall enable delegates to speak and listen to the proceedings via a loudspeaker or headphones. The unit shall include a microphone with a red indicator ring, which shall illuminate when the microphone is on. The unit shall include a 'Possible To Speak' white LED indicator, which shall illuminate showing the delegate when it is possible to switch on the microphone. To prevent acoustic feedback, the built-in loudspeaker shall be muted when the microphone is on, and/or the headphones are connected. Two 3.5 mm stereo headphone sockets (wired for mono) shall allow two pairs of headphones to be connected, enabling two delegates to simultaneously use the unit. The headphone volume level shall be adjustable on the unit for maximum comfort. It shall also be possible to connect a tape recorder to one headphone socket, and use the other headphone socket to listen to the proceedings.	0.00	0	Nos.	0.00
975	1.00	SITC of Control Unit shall have features for managing the number of active microphones and determining the operating mode, without the need for a central operator, should be available. It shall be possible to control up to 150 delegate units and power up to 50 delegate units. It shall be possible to connect external equipment to extend the system capabilities. There shall be a built-in loudspeaker and headphone connector to allow the conference to be monitored by, for example, a stenographer.	0.00	0	Nos.	0.00
976	24.00	SITC of 86" Smart Interactive 4K display 7H hardness toughen anti glared glass In-built Android 8.0, RAM 3 GB, 16 GB ROM, 32 GB Memory Card 10 Points Touch in Android and 20 points Touch in Windows Smart Object recognition and responsive multi-touch Multiple Inputs for connectivity 15W x 2 Speakers Inbuilt Screen Sharing Software Slimmer Frame Customize GUI Wireless presentation with Quad View Option Broadcast upto 200 Devices Remote Display Management.	0.00	0	Nos.	0.00
977	24.00	SITC of Bracket for 86" Interactive Display.	0.00	0	Nos.	0.00
978	24.00	Supply, Installation, Testing and Commissioning of infrared wireless microphone (IR Mic) system with 2 microphone channels can be used simultaneously and unlimited microphone to be operated with adjacent rooms. confidential convergence with required IR Receiver, Dual channel infrared wireless receiver with volume control, with 2 sensor audio inputs, IR carrier frequency 2.3 MHz, Dynamic range 110db, THD should be less than 1%, Infrared ray wavelength 850nm, transmitter with condenser capsule mic, rechargeable 2500MAh or better 2 AA size battery, transmitter should have minimum 8 pc. IR LED emitters should be with required accessories like docking charger (2 Mic.) neck holding strip etc... complete one set.	0.00	0	Nos.	0.00
979	24.00	Providing & erecting Following capacity Amplifier WITH BUILT-IN DIGITAL PLAYER , MEDIUM WATTAGE PA MIXER AMPLIFIER, Built-in MP3 player with remote control for USB, SD/MMC card reader approx 2% THD ,Frequency Response :- 50-15,000Hz ±3dB Tone Controls -Bass:Treble ,Speaker Output :- 4Ω, 8Ω, 70V & 100V ,Digital Player MP3 Player with USB, SD and MMC Card Reader . (B) 120 Watts (max 160 W RMS output)	0.00	0	Nos.	0.00
980	24.00	Supply, Installation, Testing and Commissioning of HDMI Face Plate.	0.00	0	Nos.	0.00
981	161.00	Supply, Installation Testing & Commissioning 3 ft HDMI Interface Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications	0.00	0	nos.	0.00
982	1060.00	Supply, Installation, Cabling and Commissioning of 2 core shielded 0.5 Sq.mm Microphone bulk cable.	0.00	0	Mtr.	0.00
983	2710.00	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [C] CAT - 6	0.00	0	Mtr.	0.00
984	520.00	Supply, Installation, Cabling and Commissioning of 2 core shielded 0.5 sq.mm. Signal Cable.	0.00	0	Mtr.	0.00
985	1500.00	Supply, Installation, Cabling and Commissioning of 3 core 2.5 Sq.mm. Power Cable. (Unarmoured Copper cable & rate taken as per SOR)	0.00	0	Mtr.	0.00
986	6.00	Supply, Installation Testing & Commissioning 45 ft HDMI Interface Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications.	0.00	0	Nos.	0.00
987	24.00	Supply, Installation Testing & Commissioning 6 ft HDMI Interface Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications	0.00	0	Nos.	0.00
988	720.00	Supply, Installation, Testing and Commissioning of IR Cable.	0.00	0	Mtr.	0.00
989	48.00	Supply, Installation Testing & Commissioning 30 ft HDMI Interface Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications	0.00	0	Nos.	0.00
990	48.00	Supply, Installation, Testing and Commissioning of 5 Mtr. USB Cable.	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
991	36.00	CCTV WORK Supply Installation Testing & Commissioning of 5MP outdoor Bullet Fixed Lense, 1/2.8" Progressive CMOS, Olux with IR, 2688x1520:25fps(P)/30fps(N), 3 Streams, Slow Shutter, True WDR, 3D Noise Reduction, Adaptive Streaming, Smart Streaming and ROI, SNR > 70 dB, H.265/H.264/MJPEG, DC12V & PoE, 3D DNR, BLC, HLC, 5 Edge based Analytics - Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, Face Detection, Support Micro SD/SDHC/SDXC card upto 512GB; IR range: up to 30m,IK10, IP66, BIS, CE, FCC and RoHS Certified.	0.00	0	Nos.	0.00
992	115.00	Supply Installation Testing & Commissioning of 5MP Indoor Dome Fixed Lense, 1/2.8" Progressive CMOS, Olux with IR, 2688x1520:25fps(P)/30fps(N), 3 Streams, Slow Shutter, True WDR, 3D Noise Reduction, Adaptive Streaming, Smart Streaming and ROI, SNR > 70 dB, H.265/H.264/MJPEG, DC12V & PoE, 3D DNR, BLC, HLC, 5 Edge based Analytics - Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, Face Detection, Support Micro SD/SDHC/SDXC card upto 512GB; IR range: up to 30m,IK10, IP66, BIS, CE, FCC and RoHS Certified.	0.00	0	Nos.	0.00
993	8.00	Supply Installation Testing & Commissioning of 32 Channel NVR with 2 HDD Slots (each slot 10TB), supports upto 12MP Camera, 256 Mbps throughput, ONVIF Supported	0.00	0	Nos.	0.00
994	14.00	Supply, Installation, Testing and commissioning of 4 TB Surveillance Series Hard disk supporting 24X7 operational efficiency	0.00	0	Nos.	0.00
995	11.00	SITC of 24 x 10/100/1000BASE-T PoE ports 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface 193 W PoE budget	0.00	0	Nos.	0.00
996	5970.00	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [C] CAT - 6	0.00	0	Mtr.	0.00
997	5970.00	SITC of 25mm Pipe	0.00	0	Mtr.	0.00
998	14.00	Supply Installation Testing & Commissioning of 9U Indoor Wallmount Rack with required accessories like 6 socket PDU, 1 Fan, 2 Hardware Mounting Packet, 1 Equipment Tray	0.00	0	Nos.	0.00
999	1.00	Supply Installation Testing & Commissioning of Video Management Software - Industry standard as per the technical specifications.(for 120 Camera License Included, 5 User License Included) VMS shoUL/FMd supporting ONVIF Profile S & G, PSIA, real time streaming protocol (RTSP) standards, emerging technologies in the industry, like 4K resolution, H.265 video compression codec, 3D PTZ control, Fisheye camera and mUL/FMti-imager/lens camera support, and intelligence events. Software proposed shall have scalability of upto 128 cameras per server. Video Management Software shall support simUL/FMtaneous recording, live monitoring, playback/search of recorded video for up to 4K resolution on all cameras, taking snapshots and viewing presets for PTZ cameras and system management.	0.00	0	Nos.	0.00
1000	1.00	Supply Installation Testing & Commissioning of VMS Server having Processor: 4-Core, 3.0 GHz Operating System: Windows Server 2019(64bit) Memory: 16G DDR4, 2400MT/s UDIMMS Storage: 1T SATA x 2, 3.5" Enterprise SATA 7.2k HDDs RAID: H330 RAID Controller with RAID 1 NIC : 1GbE x 2 Chassis: 1U, Rack Mount Battery: CR-2032 Coin Cell/Lithium/0.0032kg Power Supply: 250W Cabled PSU Chipset : Intel C236 Network controller: Broadcom@ 5720 USB : 5 nos (Server can be as per requirement of VMS software and should be capable of tender quantity of cameras)	0.00	0	Nos.	0.00
1001	1.00	Supply installation and testing of Computer : Core I 3 Processor with 1 GB graphics card, 1 tb HDD, 4 GB ram, keyboard,mouse.	0.00	0	Nos.	0.00
1002	1.00	Supply, Installation, Testing and Commissioning of D-LED Type 55 inch 2 x 2 Video Wall Display having 1920 x 1080 Full HD Resolution. It should have Extremely narrow bezel (Bezel-to-Bezel 1.8mm) for a virtually seamless, Manual Fine Color Calibration, Auto-switch on Failover, Panel Lock, ON/OFF Button, IR Extender, life-like viewing experience. It connects with Daisy Chain through use of DisplayPort 1.2 or HDMI port, eliminating the need for graphic cards. It should have Highly reliable displays designed for 24/7 operation, with simple, easy-to-use special wall mount. It should have minimum 178/178 Viewing Angle, should have minimum 500 nit Brightness, 6000 hrs Life Time. It should have VGA RGB Input, Video Input : 2 x HDMI 2.0, 2 x USB2.0, 1 x USB2.0, DP 1.2a, Video Output : 1 x HDMI2.0, DP 1.2a, Audio Input : Line In L/R, Audio Output : Headphone, Optic SPDIF, External Control : RS232, RJ45, RJ12, External Sensor : RJ12. Operating Temperature should be +50°C / 0°C and Humidity should be 90%. 121W Power Consumption and 110 VAC - 240 VAC Power Supply.	0.00	0	Nos.	0.00
1003	1.00	Bracket for Videowall	0.00	0	Set	0.00
1004	4.00	Supply, Installation, Testing and Commissioning of 2 MP Bullet Camera with 1/2.7" CMOS, ICR, 1920x1080:30fps, Should have Ultra 265/H.264/MJPEG, Triple stream, DC12V & PoE, Fixed lens (4mm,6mm), IR range: up to 30m, Should have PoE	0.00	0	Nos.	0.00
1005	35.00	Supply, Installation, Testing and Commissioning of 2MP Indoor Camera with 1/2.7" CMOS, ICR, 1920x1080:30fps, Ultra 265/H.264/MJPEG, Triple stream, DC12V & PoE, Fixed lens (2.8mm,4mm), IR range: up to 30m, 2-Axis. It should have Lens - 2.8/4.0mm, PoE	0.00	0	Nos.	0.00

SCHEDULE B

ITEM NO.	ESTIMATED QUANTITY	ITEM DISCRPTION	Estimated rate		Unit	AMOUNT
			Rate in Figures	Rate in words		
1006	1.00	Supply, Installation, Testing and Commissioning of 55" 4K professional digital display Should 3840 x 2160 Ultra HD Resolution,Screen Size should be 127 cm diagonal, Aspect Ratio Should be 16:9, Horizontal & Vertical Viewing Angle Should 178 °, Pixel Pitch Should be 0.03307 cm x 00.334 cm, Display Colour Should be 1.07 Billion,Should have one RF Input Terminal,one DVI Input Terminal,one AV Input Terminal,two USB2.0 Inputs,three HDMI2.0 Input terminals,one Headphone Output terminal,SPDIF Output,one RJ-45 Connection Terminals,Should Support PNG/BMP/JPEG Picture Formate,H.265 / H.264 / H.263 / MPEG1 / MPEG2 / MPEG4 Video Formate,MPEG1 / 2 / MPEG4 / AC3 / EAC3 / AAC / MP3/WMA/FLAC Audio Formate.Should have 20W(10+10) Built-In Speaker,Should have Features such as CEC,Hotel Mode,Sound Out,Dolby Audio/Dolby MS12,Bluetooth,802.11a/b/g/n 2.4 G 2T2R WiFi.CPU Should be Cortex-A55 x4,1.1 GHz Processor,GPU Should be Triple core Mali470 600 Mhz,Should Support Android 'P' - 9.0 OS Version,Should have 2GB RAM & 16GB Memory,Power Supply Should be 110 V-240 V~ at 50/60 Hz.	0.00	0	Nos.	0.00
1007	1.00	Supply, Installation, Testing and Commissioning of Bracket for 55" Display	0.00	0	Set	0.00
1008	1.00	Supply Installation Testing & Commissioning of 16U Indoor Wallmount Rack with required accessories like 6 socket PDU, 1 Fan, 2 Hardware Mounting Packet, 1 Equipment Tray	0.00	0	Nos.	0.00
Total Amount						0.00