

ಕಾಮಗಾರಿಯ ಹೆಸರು:- ಮಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿಯ ಯು.ಪಿ. ಮಲ್ಟಿ ರಸ್ತೆಯಲ್ಲಿ ಕ್ಲಾಕ್ ಟವರ್ ನಿರ್ಮಾಣ.

ಅಂದಾಜು ಮೊತ್ತ : 90.00ಲಕ್ಷ

ವರದಿ

ಮಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿಯ ಮೇಲೆ ತಿಳಿಸಿದ ಸ್ಥಳದ ಕ್ಲಾಕ್ ಟವರ್ ಪ್ರದೇಶವು ನಗರದ ಪ್ರಮುಖ ರಸ್ತೆಯಾಗಿದ್ದು, ಇಲ್ಲಿ ವಾಹನ ದಟ್ಟಣೆಯಿಂದ ಹಾಗೂ ಜನ ಸಂಚಾರದಿಂದ ಕೂಡಿರುತ್ತದೆ. ಇಲ್ಲಿ ಅನೇಕ ವಾಣಿಜ್ಯ ಸಂಕೀರ್ಣಗಳು, ಕಟ್ಟಡಗಳು, ಶಾಲಾ ಕಾಲೇಜುಗಳು ಇರುತ್ತದೆ. ಸದರಿ ಮಂಗಳೂರು ನಗರವು ಸ್ಮಾರ್ಟ್ ಸಿಟಿಯಾಗಿ ಆಯ್ಕೆಯಾಗಿರುತ್ತದೆ. ಆದ್ದರಿಂದ ನಗರವನ್ನು ಸುಂದರವನ್ನಾಗಿಸಲು ಸದರಿ ಪ್ರದೇಶದಲ್ಲಿ ವೃತ್ತ ನಿರ್ಮಿಸಿ ಕ್ಲಾಕ್ ಟವರನ್ನು ಅಳವಡಿಸುವುದು ಅತೀ ಅವಶ್ಯಕವಾಗಿರುತ್ತದೆ. ಮಾನ್ಯ ಅಯುಕ್ತರು ಸೂಚಿಸಿದ ಪ್ರಯುಕ್ತ ಸಂಬಂಧಪಟ್ಟ ಅಧಿಕಾರಿಗಳು ಸ್ಥಳ ಪರಿಶೀಲನೆ ನಡೆಸಿ ಅವರ ಸಲಹೆ ಹಾಗೂ ಸೂಚನೆಯಂತೆ ಈ ಅಂದಾಜುಪಟ್ಟಿಯನ್ನು ತಯಾರಿಸಲಾಗಿದೆ.

ಈ ಅಂದಾಜುಪಟ್ಟಿಯನ್ನು 2016-17 ನೇ ಸಾಲಿನ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ದಕ್ಷಿಣ ವಲಯ, ಬೆಂಗಳೂರು ಇದರ ದರಪಟ್ಟಿಯ ದರಗಳಿಗನುಸಾರವಾಗಿ ತಯಾರಿಸಿದ್ದು, ಈ ಕಾಮಗಾರಿಯನ್ನು ಸ್ಮಾರ್ಟ್ ಸಿಟಿ ಯೋಜನೆಯಲ್ಲಿ ಕೈಗೊಳ್ಳಲು ಈ ಕೆಳಗಿನ ಅವಕಾಶವನ್ನು ಕಲ್ಪಿಸಲಾಗಿದೆ.

- 1)Earth Work Excavation
- 2) P.C.C. 1:4:8
- 3)P.C.C. 1:3:6
- 4) RCC M25
- 5) Centering Work
- 6) TMT Steel
- 7)Laterite Masonry
- 8) Plastering
- 9)Rcc Door Frame
- 10)Painting
- 11)Vitrified Tiles
- 12)Doors
- 13) Mangalore tile Roofing
- 14) M.S. Grill
- 16) M.S. Gate
- 17)Stainless Steel Staircase Railing
- 18) 4 No. Clock
- 19)Landscaping Work

ಈ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ರೂ. 90.00ಲಕ್ಷಗಳಿಗೆ ತಯಾರಿಸಿದ್ದು, ಮುಂದಿನ ಆದೇಶ ಕೋರಿ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಗಾಗಿ ಹಾಗೂ ಅನುಮೋದನೆಗಾಗಿ ಸಲ್ಲಿಸಲಾಗಿದೆ. .

PART - I
ABSTRACT ESTIMATION OF CLOCK TOWER, MANGALURU

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|---|------|-------|----------|----------------------|
| 1. | KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, watersupply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No.KBS 2.1(a) / 2.3.5 (Page no 5, item no 2.3, SR 2016-17) | | 224 | | 11577 |
| | | Cum | 54.69 | 211.68 | 11578/- 11,577.63 |
| 2. | KSRB 2-2.4 : Excavation 1.5 m. and above in width in soft rock without blasting for foundations of buildings, watersupply, sanitary lines and electrical conduits either in pits or in trenches not exceeding 1.5 m. in depth, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including cost of explosives, labour and HOM of equipment complete as per specifications. specification. No.KBS 2.1.C /2.9.4/2.18/2.19 (Page no 5, item no 2.6 ,SR 2016-17) | | | | 13523 |
| | | Cum | 13.67 | 988.96 | 13,522.54 |
| 3 | KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (Page no 6, item no 2.10, SR 2016-17) | | 222.5 | | 0 |
| | | Cum | 53.19 | 142.24 | 7,565.33 |
| 4. | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page no 12,item no 4.3, SR 2016-17) | | 8.64 | | |
| | | Cum | 4.03 | 5,451.04 | 21,961.15 |
| 5. | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs,with 20 mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation , plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (page 13, item no 4.7 PWD SR 2016-17). | | 0.96 | | |
| | | Cum | 0.48 | 5,915.84 | 2,850.25 |

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT | |
|-------|---|--------------------|-------|--------|----------|-------------|
| 6. | KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (Page no 9, item no 3.2, SR 2016-17) | Sqm | 42.25 | 115.36 | 4,873.96 | |
| | | | | | 57477 | |
| 7. | KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M-25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.70 cum and fine aggregate @ 0.47 cum with superplasticiser @ 3 lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page no 13, item no 4.10 , PWD SR 2016-17) | R.C.C Footing | Cum | 18.61 | 6,967.52 | 1,29,639.77 |
| | | | 47.15 | | 129666 | |
| | | | | | 129640/- | |
| 8. | KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M-25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.70 cum and fine aggregate @ 0.47 cum with superplasticiser @ 3 lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page no 13, item no 4.10 , PWD SR 2016-17) | R.C.C Plinth Beam. | Cum | 3.87 | 6,967.52 | 26,976.84 |
| | | | 9.66 | | 26964 | |
| | | | | | 26977 | |

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|--|------|-------|----------|---------------------|
| 9. | KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M-25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.70 cum and fine aggregate @ 0.47 cum with superplastisiser @ 3 lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page no 13. item no 4.12 . PWD SR 2016-17) | | | | 218968 |
| | a) Ground Floor | Cum | 7.55 | 7,131.04 | 53839 -53,812.25 |
| | b) First Floor | Cum | 10.50 | 7,187.04 | 75464 -75,476.41 |
| | c) Second Floor | Cum | 25.43 | 7,243.04 | 184180 -1,84,156.96 |
| | d) Third Floor | Cum | 5.76 | 7,299.04 | 42042 -42,076.14 |
| | e) Fourth Floor | Cum | 5.45 | 7,355.04 | 40082 40,057.77 |
| | f) Fifth Floor | Cum | 8.24 | 7,411.04 | -61,067.27 |
| 10. | KSRB 4-4.1 : Extra for use of water proofing compound in Cement concrete of mix M25 (1:1:2), at one kg of compound per bag of cement. Specification No. KBS(Page no 14 , item no 4.24 SR 2016-17) | | | | 5164 |
| | | Cum | 19.48 | 285.60 | 5563/- 5,562.99 |
| 11. | KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Page no 15 , item no 4.28 SR 2016-17) | | | | |
| | Centring for footing | Sqm | 16.44 | 258.72 | 4,253.36 |
| 12. | KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page no 16, item no 4.36 SR 2016-17) | | | | 26137 |
| | Centring for Plinth Beam. | Sqm | 34.42 | 759.36 | 26,134.13 |
| 13. | KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page no 16. item no 4.32 SR 2016-17) | | | | |
| | Centring for Column | Sqm | 65.76 | 409.92 | 26,956.34 |
| | i) Ground Floor | Sqm | 41.88 | 415.52 | 17402 -17,401.98 |
| | ii) First Floor | Sqm | 45.36 | 421.12 | -19,102.00 |
| | iii)Second Floor | Sqm | 34.20 | 426.72 | 14596 -14,593.82 |
| | iv) Third Floor | Sqm | 21.89 | 432.32 | 9463 -9,462.62 |
| | v) Fourth Floor | Sqm | 13.82 | 437.92 | 6056 -6,053.81 |
| | vi) Level 4 to Level 5 | | | | |

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|---|------|-------|--------|----------------------|
| 14. | KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 up to 3.50 m from Ground level (Page no 15, item no 4.18 SR 2016-17) | | | | 805134/- |
| | Centring for Slab | | | | 1700 |
| | i) Ground Floor | | | | |
| | ii) First Floor | Sqm | 4.85 | 350.56 | 1700 1,698.46 |
| | iii) Second Floor | Sqm | 20.21 | 356.16 | 7198 7199 207,198.88 |
| | iv) Third Floor | Sqm | 20.21 | 361.76 | 7321 7,312.07 |
| | v) Fourth Floor | Sqm | 7.22 | 367.36 | 2652 2,653.26 |
| | | Sqm | 13.32 | 372.96 | 4969 4,968.76 |
| 15. | KSRB 4-6.15 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for where inclination to horizontal plane exceeds 30 degree (where shuttering may be provided both on under side and upper side if required) including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Page no 17, item no 4.42 SR 2016 - 17) | | | | 4968 |
| | Centring for Slope Slab | | | | |
| | i) Second Floor | Sqm | 94.08 | 742.56 | 69,860.04 |
| | ii) Fifth Floor | Sqm | 42.93 | 759.36 | 32,599.32 |
| 16. | KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page no 16, item no 4.36, SR 2016-17) | | | | |
| | i) First Floor | Sqm | 4.13 | 764.96 | 3159 3,155.46 |
| | i) Second Floor | Sqm | 13.11 | 770.56 | 10,102.04 |
| | ii) Third Floor | Sqm | 2.72 | 776.16 | 2111 2,107.27 |
| | iii) Fourth Floor | Sqm | 1.83 | 781.76 | 1438 1,426.71 |
| | iv) Fifth Floor | Sqm | 2.93 | 787.36 | 2307 2,303.03 |
| 17. | KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Page no 16, item no 4.34, SR 2016-17) | | | | |
| | Centring for R.C.C Beam. | | | | |
| | i) First Floor | Sqm | 33.56 | 292.32 | 9809 9,808.97 |
| | i) Second Floor | Sqm | 32.12 | 297.92 | 9570 9,569.67 |
| | ii) Third Floor | Sqm | 11.47 | 303.52 | 3481 3,480.16 |
| | iii) Fourth Floor | Sqm | 11.47 | 309.12 | 3546 3,544.37 |
| | iv) Fifth Floor | Sqm | 11.47 | 314.72 | 3609 3,608.58 |

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|---|------|-------|-----------|--------------------|
| 18. | KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Page no 16, item no 4.34 ,SR 2016-17) Centring for R.C.C Lintel. | | | | 920530/- |
| | | Sqm | 1.44 | 286.72 | 413/-412.88 |
| 19. | KSRB 4.9.2 : Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.No: 17 Sl.No 4.46.2, SR- 2016-17) | | | | 186670 |
| | a) Ground Floor | M.T | 2.75 | 67,879.84 | 1,86,600.19 |
| | b) First Floor | M.T | 1.47 | 68,408.48 | 100500 1,00,454.77 |
| | c) Second Floor | M.T | 2.38 | 68,937.12 | 163020 1,63,779.74 |
| | d) Third Floor | M.T | 0.85 | 69,465.76 | 59035 59,135.80 |
| | e) Fourth Floor | M.T | 0.72 | 69,994.40 | 50396 50,199.22 |
| | f) Fifth Floor | M.T | 0.78 | 70,523.04 | 55134/ 55,133.60 |
| | | | | | 55008 |
| 20. | Providing and constructing laterite size stone masonry including cost and conveyance of materials curing etc complete as per specification FOR SUPER STURCTRE in C M 1:6 (Page no 267, item no 37.66.1 SR 2016-17) | | | | |
| | i) Ground Floor | Cum | 17.33 | 4,939.20 | 85594 85,593.69 |
| | ii) First Floor | Cum | 17.87 | 5,157.60 | 92166 92,171.47 |
| | iii)Second Floor | Cum | 10.86 | 5,376.00 | 58362 58,361.86 |
| | iv) Third Floor | Cum | 10.03 | 5,594.40 | 56114 56,113.51 |
| | v) Fourth Floor | Cum | 6.87 | 5,812.80 | 39937 39,961.26 |
| | vi) Fifth Floor | Cum | 2.93 | 6,031.20 | 17673 17,672.62 |
| | | | | | 17671 |
| 21. | KSRB 15.8.1 Providing and fixing plaster mesh 100mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) (Page no 115, item no 15.34 SR 2016-17) | | | | |
| | i) Ground Floor | Rmt | 48.94 | 31.36 | 1535 1,534.76 |
| | ii) First Floor | Rmt | 55.90 | 31.36 | 1,753.02 |
| | iii)Second Floor | Rmt | 57.76 | 31.36 | 1,811.35 |
| | iv) Third Floor | Rmt | 55.20 | 31.36 | 1,731.07 |
| | v) Fourth Floor | Rmt | 44.00 | 31.36 | 1380 1,379.84 |
| | vi) Fifth Floor | Rmt | 30.00 | 31.36 | 941 940.80 |

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|--|------|--------|--------|-----------------|
| 22. | KSRB 15.3.5 Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Page no 113,item no 15.13, SR 2016-17) | | | | 1951394 |
| | i) Ground Floor | Sqm | 99.54 | 208.32 | 20776 20,735.18 |
| | ii) First Floor | Sqm | 122.38 | 213.92 | 26179 26,178.48 |
| | iii) Second Floor | Sqm | 83.01 | 219.52 | 18222 18,221.48 |
| | iv) Third Floor | Sqm | 57.82 | 225.12 | 13,016.44 |
| | v) Fourth Floor | Sqm | 44.69 | 230.72 | 10,311.46 |
| | vi) Fifth Floor | Sqm | 23.01 | 236.32 | 5438 5,437.72 |
| 23. | Providing and fixing RCC door frames factory manufactured, with C.C. 1:1 1/2 :3 reinforced with 3 Nos. of 6 mm dia. Main bars and 6 mm dia. Stirrups welded at 30 cm C/C, vibrating, curing including cost of steel and fabrication charges having 3 Nos. of hinges with 20mm x 3mm M.S. flat welded with required iron rods and flats with drilling and fixing 4 No.of flat screw nuts each in concrete for fixing hinges and making necessary provision in concrete for fixing aldrops, tower bolts etc., including cost of one coat of oil based enamel primer, 4 No.of hold fasts, 3 Nos. ISS Iron oxidised hinges necessary metal screws etc., complete. 60mm x 100 mm size-Door frames.(Page No 61 Item No 9.98,PWD SR 2016-17) | | | | |
| | | Rmt | 6.50 | 246.40 | 1602 1,601.60 |
| 24. | KSRB 15.3.12 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, :Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No: 114, SI No:15 19 SR 2016-17) | | | | |
| | a) External Wall | | | | |
| | i) Ground Floor | Sqm | 110.32 | 262.08 | 28913 28,912.67 |
| | ii) First Floor | Sqm | 115.92 | 284.48 | 32757 32,976.92 |
| | iii) Second Floor | Sqm | 164.44 | 295.68 | 48622 48,620.44 |
| | iv) Third Floor | Sqm | 65.66 | 312.48 | 20517.44 |
| | v) Fourth Floor | Sqm | 42.88 | 329.28 | 14120 14,119.53 |
| | vi) Fifth Floor | Sqm | 56.97 | 346.08 | 19,716.18 |
| 25. | KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page no 117, item no 15.49.1 SR 2016-17) | | | | |
| | i) Ground Floor | Sqm | 99.54 | 79.52 | 7,915.02 |
| | ii) First Floor | Sqm | 122.38 | 79.52 | 9772 9,731.26 |
| | iii) Second Floor | Sqm | 83.01 | 79.52 | 6601 6,600.64 |
| | iv) Third Floor | Sqm | 57.82 | 79.52 | 4598 4,597.85 |
| | v) Fourth Floor | Sqm | 44.69 | 79.52 | 3554 3,553.95 |
| | vi) Fifth Floor | Sqm | 23.01 | 79.52 | 1830 1,829.76 |

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|---|------|--------|----------|------------|
| 26. | KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page no 118, item no 15.53.2, SR 2016-17) | | | | 2240 605/- |
| | i) Ground Floor | Sqm | 113.78 | 92.40 | 10512.81 |
| | ii) Second Floor | Sqm | 164.44 | 107.52 | 17681 |
| | iii) Third Floor | Sqm | 65.66 | 114.24 | 7501.00 |
| | iv) Fourth Floor | Sqm | 42.88 | 120.96 | 5186.76 |
| | v) Fifth Floor | Sqm | 56.97 | 127.68 | 7274 |
| 27. | Item No.14.44-1 Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification.(Page no 107, item no 14.45, SR 2016-17) | | | | 24548 |
| | | Sqm | 19.71 | 1,245.44 | 24,546.25 |
| 28. | Providing and fixing factory made splendor of solid core single leaf rigid composite polymer laminated sal wood, door shutter of required thickness, manufactured out of solid core door conforming to IS 2202 (Part-1) 1991, laminated with 0.8 mm thick polymer, termite, water resistant and fire retardant with superior gluing based on vacuum lamination technology and with various pre moulded design on both faces conforming to IS 6307-1985, using adhesive conforming to IS 4835-1979 and door shutters tested in conformation to IS 4020-1994. The finish of shutters will be TEADK/OAK/CEDAR/ROSE WOOD/WALNUT, plain colours WHITE/IVORY/BEIGE /LIGHT GREY. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot.(Page no 59, item no 9.90.1. SR 2016-17) | | | | |
| | | Sqm | 2.75 | 3,584.00 | 9,856.00 |
| 29. | KSRB 15-17.5 : Applying priming coat over new wood surface and / or wood based surface after preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications. (Page no 119 Item no 15.59, SR 2016-17) | | | | |
| | | Sqm | 6.19 | 45.92 | 284.13 |
| 30. | KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (Page no 119 Item no 15.60.1 , SR 2016-17) | | | | |
| | | Sqm | 6.19 | 94.08 | 582.12 |

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|--|------|-------|----------|-----------------|
| 31. | Waterproofing of RCC terrace/podium slab/toilet/utilities/ water retaining structure by preparing the surface by chipping and cleaning and grouting of Honey comb voids, cracks/construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates, @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.5 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic/styrene/butadiene & cement in the ratio 1:0:1, @ 0.5kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification including screed concrete. (Page no 67, item no 10.5.1 SR 2016-17) | | | | 23/10/88 |
| | i) Second Floor | Sqm | 94.08 | 660.80 | 62,168.06 |
| | ii) Fifth Floor | Sqm | 42.93 | 660.80 | 28,368.14 |
| 32. | KSRB 8.4-1 : Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, Nandi wood reepers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17 (Page No:47, SI No:8.10, SR 2016-17) | | | | 126549 = 10 |
| | i) Second Floor | Sqm | 94.08 | 1,345.12 | 1,26,548.89 |
| | ii) Fifth Floor | Sqm | 42.57 | 1,345.12 | 57262 57,261.76 |
| 33. | Providing and laying flooring for corridors/ lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. (Page no 108, item no 14.48.1, SR 2016-17). | | | | |
| | | Sqm | 16.16 | 2,862.72 | 46262 46,261.56 |
| 34. | Providing and fixing of wall cladding using 20mm thick gang saw water cut grey granite in CM 1:3 proportion, cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing etc., complete (Page no110, item no 14.67.1, PWD SR 2016-17) | | | | 29611 |
| | | Sqm | 11.52 | 2,570.40 | 29,598.16 |

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|--|------|--------|----------|-----------------------|
| 35. | Providing and fixing of wall cladding using polished Laterite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc., complete (Quotation rate) | | | | 2664795 |
| | i) Ground to First Floor | Sqm | 123.28 | 2,200.00 | 271216 2,71,207.20 |
| | ii) Third Floor | Sqm | 65.66 | 2,200.00 | 1,44,452.00 |
| | iii) Fourth Floor | Sqm | 42.88 | 2,200.00 | 94,336.00 |
| | | | | | 570004 |
| 36. | Providing and Fixing, R.C.C strutts with materials, including cost of fixing reepers, labour, U board, cost of painting, etc. complete as per Design & drawing issued by the Architect. DATA RATE | | | | |
| | i) Second Floor | Rmt | 33.40 | 6,000.00 | 2,00,400.00 |
| | ii) Fifth Floor | Rmt | 22.00 | 4,500.00 | 99,000.00 |
| | | | | | 7,107.28 |
| 37. | Miscellaneous works | | | | 35,00,000.00 |

~~3492967~~

34,93,080.0

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DETAILED ESTIMATION OF CLOCK TOWER, MANGALURU

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|---|----|------|------|------|---------|---------------|
| 1. | KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, watersupply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No.KBS 2.1(a) / 2.3.5 (Page no 5, item no 2.3, SR 2016-17) | | | | | | |
| | For Footing | 1 | 6.50 | 6.50 | 1.55 | 65.49 | |
| | | 2 | 8.38 | 0.30 | 0.30 | 1.51 | |
| | | 2 | 7.62 | 0.30 | 0.30 | 1.37 | |
| | | | | | | 68.37 | |
| | 80 % In hard soil | | | | | 54.69 | Cum |
| 2. | KSRB 2-2.4 : Excavation 1.5 m. and above in width in soft rock without blasting for foundations of buildings, watersupply, sanitary lines and electrical conduits either in pits or in trenches not exceeding 1.5 m. in depth, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including cost of explosives, labour and HOM of equipment complete as per specifications. specification. No.KBS 2.1.C /2.9.4/2.18/2.19 (Page no 5, item no 2.6 ,SR 2016-17) | | | | | | |
| | 20% | | | | | 13.67 | Cum |
| | | | | | | | (item No 3) |
| 3. | KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (Page no 6, item no 2.10, SR 2016-17) | | | | | | |
| | Earth Excavation | | | | | 68.37 | |
| | Deduction | | | | | | |
| | PCC Bed | | | | | (4.03) | |
| | RCC Footing | | | | | (18.61) | |
| | Plinth Beam | | | | | (3.87) | |
| | RCC Column | -4 | 0.45 | 0.45 | 0.90 | (0.73) | |
| | | -4 | 0.30 | 0.30 | 0.90 | (0.32) | |
| | | 2 | 7.60 | 1.05 | 0.45 | 7.18 | |
| | | 2 | 5.50 | 1.05 | 0.45 | 5.20 | |
| | | | | | | 53.19 | Cum |
| 4. | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page no 12.item no 4.3, SR 2016-17) | | | | | | |
| | For Footing | 1 | 6.10 | 6.10 | 0.10 | 3.72 | |
| | | -4 | 2.29 | 0.45 | 0.10 | (0.41) | |
| | | 2 | 8.38 | 0.30 | 0.08 | 0.38 | |
| | | 2 | 7.62 | 0.30 | 0.08 | 0.34 | |
| | | | | | | 4.03 | Cum |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|--|----|------|------|------|--------------|------|
| 5. | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs, with 20 mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (page 13, item no 4.7 PWD SR 2016-17). | 2 | 8.38 | 0.20 | 0.08 | 0.25 | |
| | | 2 | 7.68 | 0.20 | 0.08 | 0.23 | |
| | | | | | | 0.48 | |
| 6. | KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (Page no 9, item no 3.2, SR 2016-17) | 1 | 6.50 | 6.50 | | 42.25 | |
| | | | | | | 42.25 | Sqm |
| 7. | KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M-25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.70 cum and fine aggregate @ 0.47 cum with superplastisiser @ 3 lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page no 13, item no | 1 | 5.95 | 5.95 | 0.60 | 21.24 | |
| | i) Footing Concrete | -4 | 2.44 | 0.45 | 0.60 | (2.64) | |
| | | | | | | 18.61 | Cum |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|---|---------------|----|------|------|--------------|--------|
| 8. | KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M-25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.70 cum and fine aggregate @ 0.47 cum with superplasticiser @ 3 lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page no 13, item no 4.10 , PWD SR 2016-17) | | | | | | |
| | R.C.C Plinth Beam. | | | | | | |
| | | PB1 | 4 | 4.72 | 0.30 | 0.45 | 2.55 |
| | | | 4 | 2.45 | 0.30 | 0.45 | 1.32 |
| | | | | | | 3.87 | Cum |
| 9. | KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M-25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.70 cum and fine aggregate @ 0.47 cum with superplasticiser @ 3 lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page no 13, item no 4.12 , PWD SR 2016-17) | | | | | | |
| | a) Ground Floor | | | | | | |
| | i) R.C.C Column. | | 4 | 0.45 | 0.45 | 5.48 | 4.44 |
| | | | 4 | 0.30 | 0.30 | 5.48 | 1.97 |
| | iii) R.C.C Slab. | | | | | | |
| | | Platform Slab | 1 | 2.55 | 1.90 | 0.20 | 0.97 |
| | iv) R.C.C Lintel | | 1 | 1.40 | 0.23 | 0.15 | 0.05 |
| | | | 1 | 2.55 | 0.23 | 0.20 | 0.12 |
| | | | | | | 7.55 | Cum |
| | b) First Floor | | | | | | |
| | i) R.C.C Column. | | 4 | 0.45 | 0.45 | 3.49 | 2.83 |
| | | | 4 | 0.30 | 0.30 | 3.49 | 1.26 |
| | ii) R.C.C Beam. | | 4 | 4.72 | 0.23 | 0.59 | 2.56 |
| | | | 4 | 2.45 | 0.23 | 0.59 | 1.33 |
| | iii) R.C.C Slab. | | 1 | 5.35 | 5.35 | 0.13 | 3.58 |
| | | | -1 | 2.90 | 2.90 | 0.13 | (1.05) |
| | | | | | | 10.50 | Cum |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT | |
|------------------------|--|------------|------|------|------|--------------|--------------|-----|
| c) Second Floor | | | | | | | | |
| | i) R.C.C Column. | 4 | 0.45 | 0.45 | 3.78 | 3.06 | | |
| | | 4 | 0.30 | 0.30 | 3.78 | 1.36 | | |
| | ii) R.C.C Beam. | 4 | 4.72 | 0.23 | 0.59 | 2.54 | | |
| | | 4 | 2.45 | 0.23 | 0.59 | 1.32 | | |
| | iii) R.C.C Slab. | 1 | 5.35 | 5.35 | 0.15 | 4.29 | | |
| | | -1 | 2.90 | 2.90 | 0.15 | (1.26) | | |
| | Slope Slab | 4 | 7.03 | 2.80 | 0.15 | 11.80 | | |
| | | 4 | 1.75 | 2.20 | 0.15 | 2.31 | | |
| | | | | | | 25.43 | Cum | |
| d) Third Floor | | | | | | | | |
| | i) R.C.C Column. | 4 | 0.45 | 0.45 | 4.75 | 3.85 | | |
| | ii) R.C.C Beam. | 4 | 2.45 | 0.23 | 0.45 | 1.01 | | |
| | iii) R.C.C Slab. | 1 | 3.35 | 3.35 | 0.13 | 1.40 | | |
| | | -1 | 2.00 | 2.00 | 0.13 | (0.50) | | |
| | | | | | | 5.76 | Cum | |
| e) Fourth Floor | | | | | | | | |
| | i) R.C.C Column. | 4 | 0.45 | 0.45 | 3.04 | 2.46 | | |
| | ii) R.C.C Beam. | 4 | 2.45 | 0.23 | 0.59 | 1.32 | | |
| | iii) R.C.C Slab. | 1 | 3.65 | 3.65 | 0.13 | 1.67 | | |
| | | | | | | 5.45 | Cum | |
| e) Fifth Floor | | | | | | | | |
| | i) R.C.C Column. | 4 | 0.45 | 0.45 | 1.92 | 1.56 | | |
| | ii) R.C.C Beam. | 4 | 2.45 | 0.23 | 0.59 | 1.32 | | |
| | | | | | 0.33 | | | |
| | iii) R.C.C Slab. | 1 | 0.60 | 0.60 | 0.13 | 0.05 | | |
| | | 4 | 3.23 | 3.30 | 0.13 | 5.32 | | |
| | | | | | | 8.24 | Cum | |
| 10. | KSRB 4-4.1 : Extra for use of water proofing compound in Cement concrete of mix M25 (1:1:2), at one kg of compound per bag of cement. Specification No. KBS(Page no 14 , item no 4.24 SR 2016-17) | | | | | | | |
| | i) Second Floor | Slope Slab | 4 | 7.03 | 2.80 | 0.15 | 11.80 | |
| | | | 4 | 1.75 | 2.20 | 0.15 | 2.31 | |
| | | | | | | | - | |
| | ii) Fifth Floor | Slope Slab | 1 | 0.60 | 0.60 | 0.13 | 0.05 | |
| | | | 4 | 3.23 | 3.30 | 0.13 | 5.32 | |
| | | | | | | | 19.48 | Cum |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|--|----|------|---|------|--------------|------|
| 11. | KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Page no 15 , item no 4.28 SR 2016-17) | | | | | | |
| | Footing | | | | | | |
| | RF 1 | 4 | 5.95 | | 0.60 | 14.28 | |
| | | 8 | 0.45 | | 0.60 | 2.16 | |
| | | | | | | 16.44 | Sqm |
| 12. | KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specificaiton.Specification No. KBS 4.6.2 (Page no 16, item no 4.36 SR 2016-17) | | | | | | |
| | R.C.C Plinth Beam. | | | | | | |
| | PB1 | 4 | 4.72 | | 1.20 | 22.66 | |
| | | 4 | 2.45 | | 1.20 | 11.76 | |
| | | | | | | 34.42 | Sqm |
| 13. | KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page no 16, item no 4.32 SR 2016-17) | | | | | | |
| | Centring for Column. | | | | | | |
| | i) Ground Floor | | | | | | |
| | | 4 | 1.80 | | 5.48 | 39.46 | |
| | | 4 | 1.20 | | 5.48 | 26.30 | |
| | | | | | | 65.76 | Sqm |
| | ii) First Floor | | | | | | |
| | | 4 | 1.80 | | 3.49 | 25.13 | |
| | | 4 | 1.20 | | 3.49 | 16.75 | |
| | | | | | | 41.88 | Sqm |
| | iii) Second Floor | | | | | | |
| | | 4 | 1.80 | | 3.78 | 27.22 | |
| | | 4 | 1.20 | | 3.78 | 18.14 | |
| | | | | | | 45.36 | Sqm |
| | iv) Third Floor | | | | | | |
| | | 4 | 1.80 | | 4.75 | 34.20 | |
| | | | | | | 34.20 | Sqm |
| | v) Fourth Floor | | | | | | |
| | | 4 | 1.80 | | 3.04 | 21.89 | |
| | | | | | | 21.89 | Sqm |
| | vi) Fifth Floor | | | | | | |
| | | 4 | 1.80 | | 1.92 | 13.82 | |
| | | | | | | 13.82 | Sqm |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT | | |
|-------------------|--|--------------------|---------------|------|------|--------|------|--------|-----|
| 14. | KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 up to 3.50 m from Ground level (Page no 15, item no 4.18 SR 2016-17) | | | | | | | | |
| | | i) Ground Floor | | | | | | | |
| | | | Platform Slab | 1 | 2.55 | 1.90 | | 4.85 | |
| | | | | | | | | 4.85 | Sqm |
| | | | | | | | | | |
| | | ii) First Floor | | | | | | | |
| | | | | 1 | 5.35 | 5.35 | | 28.62 | |
| | | | | -1 | 2.90 | 2.90 | | (8.41) | |
| | | | | | | | | 20.21 | Sqm |
| | | | | | | | | | |
| | | iii) Second Floor | | | | | | | |
| | | | | 1 | 5.35 | 5.35 | | 28.62 | |
| | | | | -1 | 2.90 | 2.90 | | (8.41) | |
| | | | | | | | | 20.21 | Sqm |
| | | | | | | | | | |
| iv) Third Floor | | | | | | | | | |
| | | 1 | 3.35 | 3.35 | | 11.22 | | | |
| | | -1 | 2.00 | 2.00 | | (4.00) | | | |
| | | | | | | 7.22 | Sqm | | |
| | | | | | | | | | |
| v) Fourth Floor | | | | | | | | | |
| | | 1 | 3.65 | 3.65 | | 13.32 | | | |
| | | | | | | 13.32 | Sqm | | |
| 15. | KSRB 4-6.15 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for where inclination to horizontal plane exceeds 30 degree (where shuttering may be provided both on under side and upper side if required) including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Page no | | | | | | | | |
| | | i) Second Floor | | | | | | | |
| | | | Slope Slab | 4 | 7.03 | 2.80 | | 78.68 | |
| | | | | 4 | 1.75 | 2.20 | | 15.40 | |
| | | | | | | | | 94.08 | Sqm |
| | | | | | | | | | |
| | | ii) Fifth Floor | | | | | | | |
| | | | | 1 | 0.60 | 0.60 | | 0.36 | |
| | | | | 4 | 3.23 | 3.30 | | 42.57 | |
| | | | | | | | | 42.93 | Sqm |
| 16. | KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page no 16, item no 4.36, SR 2016-17) | | | | | | | | |
| | | i) First Floor | | | | | | | |
| | | | | 4 | 5.35 | | 0.13 | 2.68 | |
| | | | | 4 | 2.90 | | 0.13 | 1.45 | |
| | | | | | | | | 4.13 | Sqm |
| | | | | | | | | | |
| ii) Second Floor | | | | | | | | | |
| | | 4 | 5.35 | | 0.15 | 3.21 | | | |
| | | 4 | 2.90 | | 0.15 | 1.74 | | | |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|---|----|------|---|------|-------|------|
| | | 4 | 8.70 | | 0.15 | 5.22 | |
| | | 2 | 2.80 | | 0.15 | 0.84 | |
| | | 8 | 1.75 | | 0.15 | 2.10 | |
| | | | | | | 13.11 | Sqm |
| | iii) Third Floor | 4 | 3.35 | | 0.13 | 1.68 | |
| | | 4 | 2.00 | | 0.13 | 1.04 | |
| | | | | | | 2.72 | Sqm |
| | iv) Fourth Floor | | | | | | |
| | side | 4 | 3.65 | | 0.13 | 1.83 | |
| | | | | | | 1.83 | Sqm |
| | v) Fifth Floor | | | | | | |
| | side | 4 | 5.85 | | 0.13 | 2.93 | |
| | | | | | | 2.93 | Sqm |
| 17. | KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Page no 16, item no 4.34, SR 2016-17) Centring for R.C.C Beam. | | | | | | |
| | i) First Floor | 4 | 4.72 | | 1.17 | 22.09 | |
| | | 4 | 2.45 | | 1.17 | 11.47 | |
| | | | | | | 33.56 | Sqm |
| | ii) Second Floor | 4 | 4.72 | | 1.12 | 21.15 | |
| | | 4 | 2.45 | | 1.12 | 10.98 | |
| | | | | | | 32.12 | Sqm |
| | iii) Third Floor | 4 | 2.45 | | 1.17 | 11.47 | |
| | | | | | | 11.47 | Sqm |
| | iv) Fourth Floor | 4 | 2.45 | | 1.17 | 11.47 | |
| | | | | | | 11.47 | Sqm |
| | vi) Fifth Floor | 4 | 2.45 | | 1.17 | 11.47 | |
| | | | | | | 11.47 | Sqm |
| 18 | KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Page no 16, item no 4.34 ,SR 2015-16) Centring for R.C.C Lintel. | | | | | | |
| | | 1 | 1.40 | | 0.30 | 0.42 | |
| | | 1 | 2.55 | | 0.40 | 1.02 | |
| | | | | | | 1.44 | Sqm |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|--|----|-------|--------|--------|-------------|------------|
| 19 | KSRB 4.9.2 : Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.No: 17 Sl.No 4.46.2, SR-2016-17) | | | | | | |
| | Barbending Fabrication | | | | | | |
| | a) Ground Floor | | | | | | |
| | i) Footing | | 18.61 | 60.00 | Kg/Cum | 1.12 | |
| | ii) Plinth Beam. | | 3.87 | 120.00 | Kg/Cum | 0.46 | |
| | iii) R.C.C Column. | | 6.41 | 170.00 | Kg/Cum | 1.09 | |
| | iv) RCC Slab | | 0.97 | 60.00 | Kg/Cum | 0.06 | |
| | v) R.C.C Lintel | | 0.17 | 120.00 | Kg/Cum | 0.02 | |
| | | | | | | 2.75 | M.T |
| | b) First Floor | | | | | | |
| | i) R.C.C Column. | | 4.08 | 170.00 | Kg/Cum | 0.69 | |
| | ii) R.C.C Beam. | | 3.89 | 160.00 | Kg/Cum | 0.62 | |
| | iii) R.C.C Slab. | | 2.53 | 60.00 | Kg/Cum | 0.15 | |
| | | | | | | 1.47 | M.T |
| | c) Second Floor | | | | | | |
| | i) R.C.C Column. | | 4.42 | 165.00 | Kg/Cum | 0.73 | |
| | ii) R.C.C Beam. | | 3.86 | 160.00 | Kg/Cum | 0.62 | |
| | iii) R.C.C Slab. | | 17.14 | 60.00 | Kg/Cum | 1.03 | |
| | | | | | | 2.38 | M.T |
| | d) Third Floor | | | | | | |
| | i) R.C.C Column. | | 3.85 | 165.00 | Kg/Cum | 0.63 | |
| | ii) R.C.C Beam. | | 1.01 | 160.00 | Kg/Cum | 0.16 | |
| | iii) R.C.C Slab. | | 0.90 | 60.00 | Kg/Cum | 0.05 | |
| | | | | | | 0.85 | M.T |
| | e) Fourth Floor | | | | | | |
| | i) R.C.C Column. | | 2.46 | 165.00 | Kg/Cum | 0.41 | |
| | ii) R.C.C Beam. | | 1.32 | 160.00 | Kg/Cum | 0.21 | |
| | iii) R.C.C Slab. | | 1.67 | 60.00 | Kg/Cum | 0.10 | |
| | | | | | | 0.72 | M.T |
| | f) Fifth Floor | | | | | | |
| | i) R.C.C Column. | | 1.56 | 160.00 | Kg/Cum | 0.25 | |
| | ii) R.C.C Beam. | | 1.32 | 160.00 | Kg/Cum | 0.21 | |
| | iii) R.C.C Slab. | | 5.37 | 60.00 | Kg/Cum | 0.32 | |
| | | | | | | 0.78 | M.T |
| 20. | Providing and constructing latente size stone masonry including cost and conveyance of materials curing etc complete as per specification FOR SUPER STURCTRE in C M 1:6 (Page no 267, item no 37.66.1 SR 2016-17) | | | | | | |
| | i) Ground Floor | 1 | 4.72 | 0.23 | 3.05 | 3.31 | |
| | | 2 | 0.30 | 0.23 | 3.05 | 0.42 | |
| | | 1 | 4.72 | 0.23 | 3.05 | 3.31 | |
| | | 2 | 0.76 | 0.23 | 3.05 | 1.07 | |
| | | 1 | 4.72 | 0.23 | 3.05 | 3.31 | |
| | | 2 | 0.30 | 0.23 | 3.05 | 0.42 | |
| | | 1 | 4.72 | 0.23 | 3.05 | 3.31 | |
| | | 2 | 0.30 | 0.23 | 3.05 | 0.42 | |
| | | D | -1 | 1.00 | 0.23 | 2.75 | (0.63) |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|--|------|------|------|------|--------------|------|
| | | L -1 | 1.40 | 0.23 | 0.15 | (0.05) | |
| | | 1 | 2.55 | 0.23 | 1.85 | 1.09 | |
| | | L -1 | 2.55 | 0.23 | 0.20 | (0.12) | |
| | | 2 | 8.35 | 0.23 | 0.20 | 0.77 | |
| | | 2 | 7.62 | 0.23 | 0.20 | 0.70 | |
| | | | | | | 17.33 | Cum |
| | ii) First Floor | | | | | | |
| | | 1 | 4.72 | 0.23 | 3.50 | 3.80 | |
| | | 2 | 0.30 | 0.23 | 3.50 | 0.48 | |
| | | 1 | 4.72 | 0.23 | 3.50 | 3.80 | |
| | | 2 | 0.76 | 0.23 | 3.50 | 1.22 | |
| | | 1 | 4.72 | 0.23 | 3.50 | 3.80 | |
| | | 2 | 0.30 | 0.23 | 3.50 | 0.48 | |
| | | 1 | 4.72 | 0.23 | 3.50 | 3.80 | |
| | | 2 | 0.30 | 0.23 | 3.50 | 0.48 | |
| | | | | | | 17.87 | Cum |
| | iii) Second Floor | | | | | | |
| | | 4 | 4.72 | 0.23 | 2.50 | 10.86 | |
| | | | | | | 10.86 | Cum |
| | iv) Third Floor | | | | | | |
| | | 4 | 2.45 | 0.23 | 4.45 | 10.03 | |
| | | | | | | 10.03 | Cum |
| | v) Fourth Floor | | | | | | |
| | | 4 | 2.45 | 0.23 | 3.05 | 6.87 | |
| | | | | | | 6.87 | Cum |
| | vi) Fifth Floor | | | | | | |
| | | 4 | 2.45 | 0.23 | 1.30 | 2.93 | |
| | | | | | | 2.93 | Cum |
| 21. | KSRB 15.8.1 Providing and fixing plaster mesh 100mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) (Page no 115, item no 15.34 SR 2016-17) | | | | | | |
| | I) Ground Floor | | | | | | |
| | | 10 | 3.05 | | | 30.50 | |
| | | 16 | 1.00 | | | 16.00 | |
| | | 1 | 2.44 | | | 2.44 | |
| | | | | | | 48.94 | Rmt |
| | ii) First Floor | | | | | | |
| | | 10 | 3.50 | | | 35.00 | |
| | | 16 | 1.00 | | | 16.00 | |
| | | 2 | 2.45 | | | 4.90 | |
| | | | | | | 55.90 | Rmt |
| | iii) Second Floor | | | | | | |
| | | 8 | 4.72 | | | 37.76 | |
| | | 8 | 2.50 | | | 20.00 | |
| | | | | | | 57.76 | Rmt |
| | iii) Third Floor | | | | | | |
| | | 8 | 2.45 | | | 19.60 | |
| | | 8 | 4.45 | | | 35.60 | |
| | | | | | | 55.20 | Rmt |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|--|----|------|---|------|--------|------|
| | iii) Fourth Floor | | | | | 19.60 | |
| | | 8 | 2.45 | | | 24.40 | |
| | | 8 | 3.05 | | | 44.00 | Rmt |
| | iii) Fifth Floor | | | | | 19.60 | |
| | | 8 | 2.45 | | | 10.40 | |
| | | 8 | 1.30 | | | 30.00 | Rmt |
| 22. | KSRB 15.3.5 Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Page no 113,item no 15.13, SR 2016-17) | | | | | | |
| | i) Ground Floor | | | | | | |
| | | 4 | 4.90 | | 3.35 | 65.66 | |
| | | 2 | 1.25 | | 3.35 | 8.38 | |
| | | 6 | 0.30 | | 3.35 | 6.03 | |
| | | 2 | 1.80 | | 3.35 | 12.06 | |
| | | -1 | 1.00 | | 2.75 | (2.75) | |
| | | 2 | 2.54 | | 2.00 | 10.16 | |
| | | | | | | 99.54 | Sqm |
| | ii) First Floor | | | | | | |
| | | 4 | 4.90 | | 4.45 | 87.22 | |
| | | 2 | 1.25 | | 4.45 | 11.13 | |
| | | 6 | 0.30 | | 4.45 | 8.01 | |
| | | 2 | 1.80 | | 4.45 | 16.02 | |
| | | | | | | 122.38 | Sqm |
| | iii) Second Floor | | | | | | |
| | | 4 | 4.90 | | 3.55 | 69.58 | |
| | Beam | 4 | 2.45 | | 1.37 | 13.43 | |
| | | | | | | 83.01 | Sqm |
| | iv) Third Floor | | | | | | |
| | | 4 | 2.95 | | 4.90 | 57.82 | |
| | | | | | | 57.82 | Sqm |
| | ii) Fourth Floor | | | | | | |
| | | 4 | 2.95 | | 3.05 | 35.99 | |
| | Ceiling | 1 | 2.95 | | 2.95 | 8.70 | |
| | | | | | | 44.69 | Sqm |
| | ii) Fifth Floor | | | | | | |
| | | 4 | 2.95 | | 1.95 | 23.01 | |
| | | | | | | 23.01 | Sqm |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|--|----|------|---|------|---------------|------|
| 23. | Providing and fixing RCC door frames factory manufactured, with C.C. 1:1 1/2 :3 reinforced with 3 Nos. of 6 mm dia. Main bars and 6 mm dia. Stirrups welded at 30 cm C/C, vibrating, curing including cost of steel and fabrication charges having 3 Nos. of hinges with 20mm x 3mm M.S. flat welded with required iron rods and flats with drilling and fixing 4 No.of flat screw nuts each in concrete for fixing hinges and making necessary provision in concrete for fixing aldrops, tower bolts etc., including cost of one coat of oil based enamel primer, 4 No.of hold fasts, 3 Nos. ISS Iron oxidised hinges necessary metal screws etc., complete. 60mm x 100 mm size-Door frames.(Page No 61 Item No 9.98,PWD SR 2016-17) | 1 | 6.50 | | | 6.50 | Rmt |
| | | | | | | 6.50 | |
| 24. | KSRB 15.3.12 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, :Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No: 114, Sl No:15.19 SR 2016-17) | | | | | | |
| | I) Ground Floor | 2 | 5.35 | | 3.35 | 35.85 | |
| | | 4 | 0.30 | | 3.35 | 4.02 | |
| | | 1 | 5.35 | | 3.35 | 17.92 | |
| | | 2 | 1.00 | | 3.35 | 6.70 | |
| | | 1 | 5.35 | | 3.35 | 17.92 | |
| | | 2 | 0.30 | | 3.35 | 2.01 | |
| | | 1 | 2.55 | | 2.00 | 5.10 | |
| | | 2 | 8.38 | | 0.65 | 10.89 | |
| | | 2 | 7.62 | | 0.65 | 9.91 | |
| | | | | | | 110.32 | Sqm |
| | ii) First Floor | 2 | 5.35 | | 4.60 | 49.22 | |
| | | 4 | 0.30 | | 4.60 | 5.52 | |
| | | 1 | 5.35 | | 4.60 | 24.61 | |
| | | 2 | 1.00 | | 4.60 | 9.20 | |
| | | 1 | 5.35 | | 4.60 | 24.61 | |
| | | 2 | 0.30 | | 4.60 | 2.76 | |
| | | | | | | 115.92 | Sqm |
| | iii) Second Floor | 4 | 5.33 | | 3.30 | 70.36 | |
| | Slope Ceiling | 4 | 7.03 | | 2.80 | 78.68 | |
| | | 4 | 1.75 | | 2.20 | 15.40 | |
| | | | | | | 164.44 | Sqm |
| | iv) Third Floor | 4 | 3.35 | | 4.90 | 65.66 | |
| | | | | | | 65.66 | Sqm |
| | v) Fourth Floor | 4 | 3.35 | | 3.20 | 42.88 | |
| | | | | | | 42.88 | Sqm |
| | vi) Fifth Floor | 4 | 1.80 | | 1.95 | 14.04 | |
| | Slope Ceiling | 1 | 0.60 | | 0.60 | 0.36 | |
| | | 4 | 3.23 | | 3.30 | 42.57 | |
| | | | | | | 56.97 | Sqm |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|--|----|------|------|--|--------|------|
| 25. | KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page no 117, item no 15.49.1 SR 2016-17) | | | | | | |
| | i) Ground Floor | | | | 22 | | |
| | ii) First Floor | | | | (Qty Same as item no 22 (i)) | 99.54 | Sqm |
| | iii) Second Floor | | | | (Qty Same as item no 22 (ii)) | 122.38 | Sqm |
| | iv) Third Floor | | | | (Qty Same as item no 22 (iii)) | 83.01 | Sqm |
| | v) Fourth Floor | | | | (Qty Same as item no 22 (iv)) | 57.82 | Sqm |
| | vi) Fifth Floor | | | | (Qty Same as item no 22 (v)) | 44.69 | Sqm |
| | | | | | (Qty Same as item no 22 (vi)) | 23.01 | Sqm |
| 26. | KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page no 118, item no 15.53.2, SR 2016-17) | | | | | | |
| | i) Ground Floor | | | | | | |
| | | 3 | 2.55 | | 6.50 | 49.73 | |
| | | 6 | 0.45 | | 6.50 | 17.55 | |
| | | 3 | 2.55 | | 0.25 | 1.91 | |
| | | 1 | 2.55 | | 4.30 | 10.97 | |
| | | 2 | 1.15 | | 4.30 | 9.89 | |
| | | 1 | 2.55 | | 1.15 | 2.93 | |
| | | 2 | 8.38 | | 0.65 | 10.89 | |
| | | 2 | 7.62 | | 0.65 | 9.91 | |
| | | | | | | 113.78 | Sqm |
| | iii) Second Floor | | | | 24 (Qty Same as item no 32 (iii)) | 164.44 | |
| | | | | | | 164.44 | Sqm |
| | iv) Third Floor | | | | 24 (Qty Same as item no 32 (iv)) | 65.66 | |
| | | | | | | 65.66 | Sqm |
| | v) Fourth Floor | | | | 24 (Qty Same as item no 32 (v)) | 42.88 | |
| | | | | | | 42.88 | Sqm |
| | vi) Fifth Floor | | | | 24 (Qty Same as item no 32 (vi)) | 56.97 | |
| | | | | | | 56.97 | Sqm |
| 27. | Item No.14.44-1 Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification.(Page no 107, item no 14.45, SR 2016-17) | | | | | | |
| | i) Ground Floor | | | | | | |
| | | 1 | 4.27 | 3.31 | | 14.13 | |
| | | 2 | 0.94 | 0.94 | | 1.77 | |
| | | 2 | 0.94 | 0.30 | | 0.56 | |
| | | 2 | 0.63 | 0.30 | | 0.38 | |
| | | 1 | 1.00 | 0.23 | | 0.23 | |
| | Skirting | 4 | 4.88 | 0.10 | | 1.95 | |
| | | 6 | 0.30 | 0.10 | | 0.18 | |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|---|-------|------|------|------|--------------|------|
| | | 2 | 1.22 | 0.10 | | 0.24 | |
| | | 2 | 1.80 | 0.10 | | 0.36 | |
| | | -1 | 1.00 | 0.10 | | (0.10) | |
| | | | | | | 19.71 | Sqm |
| 28. | Providing and fixing factory made splendor of solid core single leaf rigid composite polymer laminated sal wood, door shutter of required thickness, manufactured out of solid core door conforming to IS 2202 (Part-1) 1991, laminated with 0.8 mm thick polymer, termite, water resistant and fire retardant with superior gluing based on vacuum lamination technology and with various pre moulded design on both faces conforming to IS 6307-1985, using adhesive conforming to IS 4835-1979 and door shutters tested in conformation to IS 4020-1994. The finish of shutters will be TEADK/OAK/CEDAR/ROSE WOOD/WALNUT, plain colours WHITE/IVORY/BEIGE /LIGHT GREY. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot.(Page no 59, item no 9.90.1, SR 2016-17) | | | | | | |
| | i) Ground Floor | | | | | | |
| | | C.D01 | 1 | 1.00 | 2.75 | 2.75 | |
| | | | | | | 2.75 | Sqm |
| 29. | KSRB 15-17.5 : Applying priming coat over new wood surface and / or wood based surface after preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications. (Page no 119 Item no 15.59, SR 2016-17) | | | | | | |
| | i) Ground Floor | | | | | | |
| | | | 2.25 | 1.00 | 2.75 | 6.19 | |
| | | | | | | 6.19 | Sqm |
| 30. | KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (Page no 119 Item no 15.60.1 , SR 2016-17) | | | | | | |
| | i) Ground Floor | | | | | | |
| | | | 2.25 | 1.00 | 2.75 | 6.19 | |
| | | | | | | 6.19 | Sqm |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|---|------------|---|------|------|--------------|------|
| 31. | Waterproofing of RCC terrace/podium slab/toilet/utilities/ water retaining structure by preparing the surface by chipping and cleaning and grouting of Honey comb voids, cracks/construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates, @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.5 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic/styrene/butadiene & cement in the ratio 1:0:1, @ 0.5kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification including screed concrete. (Page no 67, item no 10.5.1, SR 2016-17) | | | | | | |
| | i) Second Floor | | | | | | |
| | | Slope Slab | 4 | 7.03 | 2.80 | 78.68 | |
| | | | 4 | 1.75 | 2.20 | 15.40 | |
| | | | | | | 94.08 | Sqm |
| | ii) Fifth Floor | | | | | | |
| | | | 1 | 0.60 | 0.60 | 0.36 | |
| | | | 4 | 3.23 | 3.30 | 42.57 | |
| | | | | | | 42.93 | Sqm |
| 32. | KSRB 8.4-1 : Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, Nandi wood reepers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17 (Page No:47, SI No:8.10, SR 2016-17) | | | | | | |
| | i) Second Floor | | | | | | |
| | | Slope Slab | 4 | 7.03 | 2.80 | 78.68 | |
| | | | 4 | 1.75 | 2.20 | 15.40 | |
| | | | | | | 94.08 | Sqm |
| | ii) Fifth Floor | | | | | | |
| | | | 4 | 3.23 | 3.30 | 42.57 | |
| | | | | | | 42.57 | Sqm |
| 33. | Providing and laying flooring for corridors/ lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. (Page no 108, item no 14.48.1, SR 2016-17). | | | | | | |
| | i) Ground Floor | | | | | | |
| | | | 2 | 8.40 | 0.40 | 6.72 | |
| | | | 2 | 7.60 | 0.40 | 6.08 | |
| | | Skirting | 4 | 8.40 | 0.10 | 3.36 | |
| | | | | | | 16.16 | Sqm |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT | |
|-------------------|---|--------------------------|------|------|--------------|--------------|---------------|-----|
| 34. | Providing and fixing of wall cladding using 20mm thick gang saw water cut grey granite in CM 1:3 proportion, cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing etc., complete (Page no110, item no 14.67.1, PWD SR 2016-17) | | | | | | | |
| | | i) Ground Floor | | | | | | |
| | | 1 | 3.95 | | | 1.85 | 7.31 | |
| | 1 | 2.55 | | | 1.65 | 4.21 | | |
| | | | | | | 11.52 | Sqm | |
| 35. | Providing and fixing of wall cladding using polished Laterite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc., complete (Quotation rate). | I) Ground to First Floor | | | | | | |
| | | 2 | 5.35 | | | 7.28 | 77.90 | |
| | | 4 | 0.30 | | | 7.28 | 8.74 | |
| | | -2 | 2.55 | | | 5.90 | (30.09) | |
| | | 1 | 5.35 | | | 7.28 | 38.95 | |
| | | 2 | 1.00 | | | 7.28 | 14.56 | |
| | | -1 | 2.55 | | | 5.90 | (15.05) | |
| | | 1 | 5.35 | | | 7.28 | 38.95 | |
| | | 2 | 0.30 | | | 7.28 | 4.37 | |
| | | -1 | 2.55 | | | 5.90 | (15.05) | |
| | | | | | | | 123.28 | Sqm |
| | | ii) Third Floor | | | | | | |
| | | 4 | 3.35 | | | 4.90 | 65.66 | |
| | | | | | 65.66 | Sqm | | |
| iii) Fourth Floor | | | | | | | | |
| 4 | 3.35 | | | 3.20 | 42.88 | | | |
| | | | | | 42.88 | Sqm | | |
| 36. | Providing and Fixing, R.C.C struts with materials, including cost of fixing reepers, labour, U board, cost of painting, etc. complete as per Design & drawing issued by the Architect. DATA RATE | i) Second Floor | | | | | | |
| | | Type A | 4 | 8.35 | | | 33.40 | |
| | | | | | | | 33.40 | Rmt |
| ii) Fifth Floor | | | | | | | | |
| Type B | 4 | 5.50 | | | | 22.00 | | |
| | | | | | | 22.00 | Rmt | |

Signature

Signature

RATE ANALYSIS

1. KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, watersupply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No.KBS 2.1(a) / 2.3.5 (Page no 5, item no 2.3, SR 2016-17)

Basic rate

Add 12% For area weightages

189.00

22.68

211.68 Cum

2. KSRB 2-2.4 : Excavation 1.5 m. and above in width in **soft rock without blasting** for foundations of buildings, watersupply, sanitary lines and electrical conduits either in pits or in trenches not exceeding 1.5 m. in depth, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including cost of explosives, labour and HOM of equipment complete as per specifications. specification. No.KBS 2.1.C /2.9.4/2.18/2.19 (Page no 5, item no 2.6 ,SR 2016-17)

Basic rate

Add 12% For area weightages

883.00

105.96

988.96 Cum

3. KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (Page no 6, item no 2.10, SR 2016-17)

Basic rate

Add 12% For area weightages

127.00

15.24

142.24 Cum

4. KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page no 12,item no 4.3, SR 2016-17)

1) Ground floor

Basic rate

Add 12% For area weightages

4,867.00

584.04

5,451.04 Cum

5. KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs,with 20 mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation , plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (page 13, item no 4.7 PWD SR 2016-17).

Basic rate

Add 12% For area weightages

5,282.00

633.84

5,915.84 Cum

6. KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, withchloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications.(Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (Page no 9, item no 3.2, SR 2016-17)

Basic rate

Add 12% For area weightages

103.00

12.36

115.36 Sqm

7. KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M-25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.70 cum and fine aggregate @ 0.47 cum with superplasticiser @ 3 lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page no 13, item no 4.10 , PWD SR 2016-17)

R.C.C Footing

| | | |
|-----------------------------|-----------------|-----|
| Basic rate | 6,221.00 | |
| Add 12% For area weightages | 746.52 | |
| | <u>6,967.52</u> | Cum |

8. KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M-25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.70 cum and fine aggregate @ 0.47 cum with superplasticiser @ 3 lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page no 13, item no 4.10 , PWD SR 2016-17)

R.C.C Plinth Beam.

| | | |
|-----------------------------|-----------------|-----|
| Basic rate | 6,221.00 | |
| Add 12% For area weightages | 746.52 | |
| | <u>6,967.52</u> | Cum |

9. KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M-25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.70 cum and fine aggregate @ 0.47 cum with superplasticiser @ 3 lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page no 13, item no 4.12 , PWD SR 2016-17)

i) Ground Floor

| | | |
|-----------------------------|-----------------|-----|
| Basic rate | 6,367.00 | |
| Add 12% For area weightages | 764.04 | |
| | <u>7,131.04</u> | Cum |

ii) First Floor

| | | |
|-----------------------------|-----------------|-----|
| Basic rate | 6,367.00 | |
| Lift charges | 50.00 | |
| Add 12% For area weightages | 770.04 | |
| | <u>7,187.04</u> | Cum |

iii) Second Floor

| | | |
|-----------------------------|-----------------|-----|
| Basic rate | 6,367.00 | |
| Lift charges | 100.00 | |
| Add 12% For area weightages | 776.04 | |
| | <u>7,243.04</u> | Cum |

iv) Third Floor

| | | |
|-----------------------------|-----------------|-----|
| Basic rate | 6,367.00 | |
| Lift charges | 150.00 | |
| Add 12% For area weightages | 782.04 | |
| | <u>7,299.04</u> | Cum |

v) Fourth Floor

| | | |
|-----------------------------|-----------------|-----|
| Basic rate | 6,367.00 | |
| Lift charges | 200.00 | |
| Add 12% For area weightages | 788.04 | |
| | <u>7,355.04</u> | Cum |

vi) Fifth Floor

| | | |
|-----------------------------|-----------------|-----|
| Basic rate | 6,367.00 | |
| Lift charges | 250.00 | |
| Add 12% For area weightages | 794.04 | |
| | <u>7,411.04</u> | Cum |

10. KSRB 4-4.1 : Extra for use of water proofing compound in Cement concrete of mix M25 (1:1:2), at one kg of compound per bag of cement. Specification No. KBS(Page no 14 , item no 4.24 SR 2016-17)

| | | |
|-----------------------------|---------------|-----|
| Basic rate | 255.00 | |
| Add 12% For area weightages | 30.60 | |
| | <u>285.60</u> | Cum |

11. KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, **footings**, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Page no 15 , item no 4.28 SR 2016-17)

| | | |
|-----------------------------|---------------|-----|
| Basic rate | 231.00 | |
| Add 12% For area weightages | 27.72 | |
| | <u>258.72</u> | Sqm |

12. KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, **plinth** including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page no 16, item no 4.36 SR 2016-17)

| | | |
|-----------------------------|---------------|-----|
| Basic rate | 678.00 | |
| Add 12% For area weightages | 81.36 | |
| | <u>759.36</u> | Sqm |

13. KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for **columns**, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page no 16, item no 4.32 SR 2016-17)

i) Ground Floor

| | | |
|-----------------------------|---------------|-----|
| Basic rate | 366.00 | |
| Add 12% For area weightages | 43.92 | |
| | <u>409.92</u> | Sqm |

ii) First Floor

| | | |
|-----------------------------|------------------|-----|
| Basic rate | 366.00 | |
| Lift charges | (1 X 5.00) 5.00 | |
| Add 12% For area weightages | 44.52 | |
| | <u>415.52</u> | Sqm |

iii) Second Floor

| | | |
|-----------------------------|-------------------|-----|
| Basic rate | 366.00 | |
| Lift charges | (2 X 5.00) 10.00 | |
| Add 12% For area weightages | 45.12 | |
| | <u>421.12</u> | Sqm |

iv) Third Floor

| | | |
|-----------------------------|-------------------|-----|
| Basic rate | 366.00 | |
| Lift charges | (3 X 5.00) 15.00 | |
| Add 12% For area weightages | 45.72 | |
| | <u>426.72</u> | Sqm |

v) Fourth Floor

| | | |
|-----------------------------|------------------|-----|
| Basic rate | 366.00 | |
| Lift charges | (4X 5.00) 20.00 | |
| Add 12% For area weightages | 46.32 | |
| | <u>432.32</u> | Sqm |

vi) Fifth Floor

Basic rate

Lift charges

Add 12% For area weightages

(5X 5.00)

366.00

25.00

46.92

437.92 Sqm

14. KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, **thickness upto 200 mm** from Ground level (Page no 15, item no 4.18 SR 2016-17)

i) Ground Floor

Basic rate

Add 12% For area weightages

313.00

37.56

350.56 Sqm

ii) First Floor

Basic rate

Lift charges

Add 12% For area weightages

(1 X 5.00)

313.00

5.00

38.16

356.16 Sqm

iii) Second Floor

Basic rate

Lift charges

Add 12% For area weightages

(2X 5.00)

313.00

10.00

38.76

361.76 Sqm

iv) Third Floor

Basic rate

Lift charges

Add 12% For area weightages

(3 X 5.00)

313.00

15.00

39.36

367.36 Sqm

v) Fourth Floor

Basic rate

Lift charges

Add 12% For area weightages

(4X 5.00)

313.00

20.00

39.96

372.96 Sqm

15. KSRB 4-6.15 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for where inclination to horizontal plane exceeds 30 degree (where shuttering may be provided both on under side and upper side if required) including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Page no 17, item no 4.42 SR 2016 - 17)

i) Second Floor

Basic rate

Lift charges

Add 12% For area weightages

(2X 5.00)

653.00

10.00

79.56

742.56 Sqm

ii) Fifth Floor

Basic rate

Lift charges

Add 12% For area weightages

(5 X 5.00)

653.00

25.00

81.36

759.36 Sqm

16. KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (Page no 16, item no 4.36, SR 2016-17)

i) First Floor

| | | | |
|-----------------------------|-------------|---------------|------------|
| Basic rate | | 678.00 | |
| Lift charges | | 5.00 | |
| Add 12% For area weightages | (1 X 5.00) | 81.96 | |
| | | <u>764.96</u> | Sqm |

ii) Second Floor

| | | | |
|-----------------------------|-------------|---------------|------------|
| Basic rate | | 678.00 | |
| Lift charges | | 10.00 | |
| Add 12% For area weightages | (2 X 5.00) | 82.56 | |
| | | <u>770.56</u> | Sqm |

iii) Third Floor

| | | | |
|-----------------------------|-------------|---------------|------------|
| Basic rate | | 678.00 | |
| Lift charges | | 15.00 | |
| Add 12% For area weightages | (3 X 5.00) | 83.16 | |
| | | <u>776.16</u> | Sqm |

iv) Fourth Floor

| | | | |
|-----------------------------|-------------|---------------|------------|
| Basic rate | | 678.00 | |
| Lift charges | | 20.00 | |
| Add 12% For area weightages | (4 X 5.00) | 83.76 | |
| | | <u>781.76</u> | Sqm |

v) Fifth Floor

| | | | |
|-----------------------------|-------------|---------------|------------|
| Basic rate | | 678.00 | |
| Lift charges | | 25.00 | |
| Add 12% For area weightages | (5 X 5.00) | 84.36 | |
| | | <u>787.36</u> | Sqm |

17. KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels **not exceeding 1m in depth** including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page no 16, item no 4.34, SR 2016-17)

i) First Floor

| | | | |
|-----------------------------|-------------|---------------|------------|
| Basic rate | | 256.00 | |
| Lift charges | | 5.00 | |
| Add 12% For area weightages | (1 X 5.00) | 31.32 | |
| | | <u>292.32</u> | Sqm |

ii) Second Floor

| | | | |
|-----------------------------|-------------|---------------|------------|
| Basic rate | | 256.00 | |
| Lift charges | | 10.00 | |
| Add 12% For area weightages | (2 X 5.00) | 31.92 | |
| | | <u>297.92</u> | Sqm |

iii) Third Floor

| | | | |
|-----------------------------|-------------|---------------|------------|
| Basic rate | | 256.00 | |
| Lift charges | | 15.00 | |
| Add 12% For area weightages | (3 X 5.00) | 32.52 | |
| | | <u>303.52</u> | Sqm |

iv) Fourth Floor

| | | | |
|-----------------------------|-------------|---------------|------------|
| Basic rate | | 256.00 | |
| Lift charges | | 20.00 | |
| Add 12% For area weightages | (4 X 5.00) | 33.12 | |
| | | <u>309.12</u> | Sqm |

v) Fifth Floor

| | |
|---|--------------------------|
| Basic rate | |
| Lift charges | 256.00 |
| Add 12% For area weightages (5 X 5.00) | 25.00 |
| | <u>33.72</u> |
| | <u>314.72</u> Sqm |

18. KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page no 16, item no 4.34 ,SR 2016-17)

RCC Lintel

| | |
|-----------------------------|--------------------------|
| Basic rate | |
| Add 12% For area weightages | 256.00 |
| | <u>30.72</u> |
| | <u>286.72</u> Sqm |

19. KSRB 4.9.2 : Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.No: 17 SI.No 4.46.2, SR- 2016-17)

i) Ground Floor

| | |
|-----------------------------|-----------------------------|
| Basic rate | 60,607.00 |
| Add 12% For area weightages | 7,272.84 |
| | <u>67,879.84</u> M.T |

ii) First Floor

| | |
|-----------------------------|-----------------------------|
| Basic rate | 60,607.00 |
| Lift charges | 472.00 |
| Add 12% For area weightages | 7,329.48 |
| | <u>68,408.48</u> Sqm |

iii) Second Floor

| | |
|-----------------------------|-----------------------------|
| Basic rate | 60,607.00 |
| Lift charges | 944.00 |
| Add 12% For area weightages | 7,386.12 |
| | <u>68,937.12</u> Sqm |

iv) Third Floor

| | |
|-----------------------------|-----------------------------|
| Basic rate | 60,607.00 |
| Lift charges | 1,416.00 |
| Add 12% For area weightages | 7,442.76 |
| | <u>69,465.76</u> Sqm |

v) Fourth Floor

| | |
|-----------------------------|-----------------------------|
| Basic rate | 60,607.00 |
| Lift charges | 1,888.00 |
| Add 12% For area weightages | 7,499.40 |
| | <u>69,994.40</u> Sqm |

vi) Fifth Floor

| | |
|-----------------------------|-----------------------------|
| Basic rate | 60,607.00 |
| Lift charges | 2,360.00 |
| Add 12% For area weightages | 7,556.04 |
| | <u>70,523.04</u> Sqm |

20. Providing and constructing laterite size stone masonry including cost and conveyance of materials curing etc complete as per specification FOR SUPER STURCTRE in C M 1:6 (Page no 267, item no 37.66.1 SR 2016-

i) Ground Floor

| | |
|-----------------------------|----------------------------|
| Basic rate | 4,410.00 |
| Add 12% For area weightages | 529.20 |
| | <u>4,939.20</u> Cum |

ii) First Floor

| | | | |
|-----------------------------|--------------|-----------------|-----|
| Basic rate | | 4,410.00 | |
| Lift charges | | 195.00 | |
| Add 12% For area weightages | (1 X 195.00) | 552.60 | |
| | | <u>5,157.60</u> | Cum |

iii) Second Floor

| | | | |
|-----------------------------|--------------|-----------------|-----|
| Basic rate | | 4,410.00 | |
| Lift charges | | 390.00 | |
| Add 12% For area weightages | (2 X 195.00) | 576.00 | |
| | | <u>5,376.00</u> | Cum |

iv) Third Floor

| | | | |
|-----------------------------|--------------|-----------------|-----|
| Basic rate | | 4,410.00 | |
| Lift charges | | 585.00 | |
| Add 12% For area weightages | (3 X 195.00) | 599.40 | |
| | | <u>5,594.40</u> | Cum |

v) Fourth Floor

| | | | |
|-----------------------------|--------------|-----------------|-----|
| Basic rate | | 4,410.00 | |
| Lift charges | | 780.00 | |
| Add 12% For area weightages | (4 X 195.00) | 622.80 | |
| | | <u>5,812.80</u> | Cum |

vi) Fifth Floor

| | | | |
|-----------------------------|--------------|-----------------|-----|
| Basic rate | | 4,410.00 | |
| Lift charges | | 975.00 | |
| Add 12% For area weightages | (5 X 195.00) | 646.20 | |
| | | <u>6,031.20</u> | Cum |

21. KSRB 15.8.1 Providing and fixing plaster mesh 100mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) (Page no 115, item no 15.34 SR 2016-17)

| | | | |
|-----------------------------|--|--------------|---|
| Basic rate | | 28.00 | |
| Add 12% For area weightages | | 3.36 | |
| | | <u>31.36</u> | m |

22. KSRB 15.3.5 Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Page no 113,item no 15.13, SR 2016-17)

i) Ground Floor

| | | | |
|-----------------------------|--|---------------|-----|
| Basic rate | | 186.00 | |
| Add 12% For area weightages | | 22.32 | |
| | | <u>208.32</u> | Sqm |

ii) First Floor

| | | | |
|-----------------------------|-------------|---------------|-----|
| Basic rate | | 186.00 | |
| Lift charges | | 5.00 | |
| Add 12% For area weightages | (1 X 5.00) | 22.92 | |
| | | <u>213.92</u> | Sqm |

iii) Second Floor

| | | | |
|-----------------------------|-------------|---------------|-----|
| Basic rate | | 186.00 | |
| Lift charges | | 10.00 | |
| Add 12% For area weightages | (2 X 5.00) | 23.52 | |
| | | <u>219.52</u> | Sqm |

iv) Third Floor

| | | |
|-----------------------------|-------------|-------------------|
| Basic rate | | |
| Lift charges | | 186.00 |
| Add 12% For area weightages | (3 X 5.00) | 15.00 |
| | | 24.12 |
| | | <u>225.12</u> Sqm |

v) Fourth Floor

| | | |
|-----------------------------|-------------|-------------------|
| Basic rate | | |
| Lift charges | | 186.00 |
| Add 12% For area weightages | (4 X 5.00) | 20.00 |
| | | 24.72 |
| | | <u>230.72</u> Sqm |

vi) Fifth Floor

| | | |
|-----------------------------|-------------|-------------------|
| Basic rate | | |
| Lift charges | | 186.00 |
| Add 12% For area weightages | (5 X 5.00) | 25.00 |
| | | 25.32 |
| | | <u>236.32</u> Sqm |

23. Providing and fixing RCC door frames factory manufactured, with C.C. 1:1 1/2 :3 reinforced with 3 Nos. of 6 mm dia. Main bars and 6 mm dia. Stirrups welded at 30 cm C/C, vibrating, curing including cost of steel and fabrication charges having 3 Nos. of hinges with 20mm x 3mm M.S. flat welded with required iron rods and flats with drilling and fixing 4 No. of flat screw nuts each in concrete for fixing hinges and making necessary provision in concrete for fixing aldrops, tower bolts etc., including cost of one coat of oil based enamel primer, 4 No. of hold fasts, 3 Nos. ISS Iron oxidised hinges necessary metal screws etc., complete. 60mm x 100 mm size-Door frames.(Page No 61 Item No 9.98,PWD SR 2016-17)

| | | |
|-----------------------------|--|-------------------|
| Basic rate | | 220.00 |
| Add 12% For area weightages | | 26.40 |
| | | <u>246.40</u> Rmt |

24. KSRB 15.3.12 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, :Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No: 114, SI No:15.19 SR 2016-17)

i) Ground Floor

| | | |
|-----------------------------|--|-------------------|
| Basic rate | | 234.00 |
| Add 12% For area weightages | | 28.08 |
| | | <u>262.08</u> Sqm |

ii) First Floor

| | | |
|-----------------------------|-------------|-------------------|
| Basic rate | | 234.00 |
| Lift charges | (1 X 5.00) | 10.00 |
| Scaffolding Charges | (1 X 10.00) | 10.00 |
| Add 12% For area weightages | | 30.48 |
| | | <u>284.48</u> Sqm |

iii) Second Floor

| | | |
|-----------------------------|-------------|-------------------|
| Basic rate | | 234.00 |
| Lift charges | (2 X 5.00) | 10.00 |
| Scaffolding Charges | (2 X 10.00) | 20.00 |
| Add 12% For area weightages | | 31.68 |
| | | <u>295.68</u> Sqm |

iv) Third Floor

| | | |
|-----------------------------|-------------|-------------------|
| Basic rate | | 234.00 |
| Lift charges | (3 X 5.00) | 15.00 |
| Scaffolding Charges | (3 X 10.00) | 30.00 |
| Add 12% For area weightages | | 33.48 |
| | | <u>312.48</u> Sqm |

v) Fourth Floor

| | | |
|-----------------------------|------------|--------------------------|
| Basic rate | | |
| Lift charges | | 234.00 |
| Scaffolding Charges | (4 X5.00) | 20.00 |
| Add 12% For area weightages | (4 X10.00) | 40.00 |
| | | <u>35.28</u> |
| | | <u><u>329.28</u></u> Sqm |

vi) Fifth Floor

| | | |
|-----------------------------|------------|--------------------------|
| Basic rate | | |
| Lift charges | | 234.00 |
| Scaffolding Charges | (5 X5.00) | 25.00 |
| Add 12% For area weightages | (5 X10.00) | 50.00 |
| | | <u>37.08</u> |
| | | <u><u>346.08</u></u> Sqm |

25. KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page no 117, item no 15.49.1 SR 2016-17)

i) Ground Floor

| | | |
|-----------------------------|--|-------------------------|
| Basic rate | | 71.00 |
| Add 12% For area weightages | | <u>8.52</u> |
| | | <u><u>79.52</u></u> Sqm |

ii) First Floor

| | | |
|-----------------------------|--|-------------------------|
| Basic rate | | 71.00 |
| Add 12% For area weightages | | <u>8.52</u> |
| | | <u><u>79.52</u></u> Sqm |

iii) Second Floor

| | | |
|-----------------------------|--|-------------------------|
| Basic rate | | 71.00 |
| Add 12% For area weightages | | <u>8.52</u> |
| | | <u><u>79.52</u></u> Sqm |

iv) Third Floor

| | | |
|-----------------------------|--|-------------------------|
| Basic rate | | 71.00 |
| Add 12% For area weightages | | <u>8.52</u> |
| | | <u><u>79.52</u></u> Sqm |

v) Fourth Floor

| | | |
|-----------------------------|--|-------------------------|
| Basic rate | | 71.00 |
| Add 12% For area weightages | | <u>8.52</u> |
| | | <u><u>79.52</u></u> Sqm |

vi) Fifth Floor

| | | |
|-----------------------------|--|-------------------------|
| Basic rate | | 71.00 |
| Add 12% For area weightages | | <u>8.52</u> |
| | | <u><u>79.52</u></u> Sqm |

26. KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page no 118, item no 15.53.2, SR 2016-17)

i) Ground Floor

| | | |
|-----------------------------|--|-------------------------|
| Basic rate | | 84.00 |
| Add 12% For area weightages | | <u>8.40</u> |
| | | <u><u>92.40</u></u> Sqm |

ii) First Floor

| | | |
|-----------------------------|--------------|--------------------------|
| Basic rate | | |
| Lift charges | | 84.00 |
| Scaffolding Charges | (1 X 3.00) | 3.00 |
| Add 12% For area weightages | (1 X 3.00) | 3.00 |
| | | <u>10.80</u> |
| | | <u>100.80</u> Sqm |

iii) Second Floor

| | | |
|-----------------------------|--------------|--------------------------|
| Basic rate | | |
| Lift charges | | 84.00 |
| Scaffolding Charges | (2 X 3.00) | 6.00 |
| Add 12% For area weightages | (2 X 3.00) | 6.00 |
| | | <u>11.52</u> |
| | | <u>107.52</u> Sqm |

iv) Third Floor

| | | |
|-----------------------------|--------------|--------------------------|
| Basic rate | | |
| Lift charges | | 84.00 |
| Scaffolding Charges | (3 X 3.00) | 9.00 |
| Add 12% For area weightages | (3 X 3.00) | 9.00 |
| | | <u>12.24</u> |
| | | <u>114.24</u> Sqm |

v) Fourth Floor

| | | |
|-----------------------------|--------------|--------------------------|
| Basic rate | | |
| Lift charges | | 84.00 |
| Scaffolding Charges | (4 X 3.00) | 12.00 |
| Add 12% For area weightages | (4 X 3.00) | 12.00 |
| | | <u>12.96</u> |
| | | <u>120.96</u> Sqm |

vi) Fifth Floor

| | | |
|-----------------------------|--------------|--------------------------|
| Basic rate | | |
| Lift charges | | 84.00 |
| Scaffolding Charges | (5 X 3.00) | 15.00 |
| Add 12% For area weightages | (5 X 3.00) | 15.00 |
| | | <u>13.68</u> |
| | | <u>127.68</u> Sqm |

27. Item No.14.44-1 Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification. (Page no 107, item no 14.45, SR 2016-17)

a) Ground floor

| | | |
|-----------------------------|--|----------------------------|
| Basic rate | | 1,112.00 |
| Add 12% For area weightages | | <u>133.44</u> |
| | | <u>1,245.44</u> Sqm |

28. Providing and fixing factory made splendor of solid core single leaf rigid composite polymer laminated sal wood, door shutter of required thickness, manufactured out of solid core door conforming to IS 2202 (Part-1) 1991, laminated with 0.8 mm thick polymer, termite, water resistant and fire retardant with superior gluing based on vacuum lamination technology and with various pre moulded design on both faces conforming to IS 6307-1985, using adhesive conforming to IS 4835-1979 and door shutters tested in conformation to IS 4020-1994. The finish of shutters will be TEADK/OAK/CEDAR/ROSE WOOD/WALNUT, plain colours WHITE/IVORY/BEIGE /LIGHT GREY. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. (Page no 59, item no 9.90.1, SR 2016-17)

| | | |
|-----------------------------|--|----------------------------|
| Basic rate | | 3,200.00 |
| Add 12% For area weightages | | <u>384.00</u> |
| | | <u>3,584.00</u> Sqm |

29. KSRB 15-17.5 : Applying priming coat over new wood surface and / or wood based surface after preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications. (Page no 119 Item no 15.59, SR 2016-17)

| | |
|-----------------------------|------------------|
| Basic rate | 41.00 |
| Add 12% For area weightages | 4.92 |
| | <u>45.92</u> Sqm |

30. KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (Page no 119 Item no 15.60.1 , SR 2016-17)

| | |
|-----------------------------|------------------|
| Basic rate | 84.00 |
| Add 12% For area weightages | 10.08 |
| | <u>94.08</u> Sqm |

31. Waterproofing of RCC terrace/podium slab/toilet/utilities/ water retaining structure by preparing the surface by chipping and cleaning and grouting of Honey comb , voids, cracks/construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates, @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.5 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic/styrene/butadiene & cement in the ratio 1:0:1, @ 0.5kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification including screed concrete. (Page no 67, item no 10.5.1, SR 2016-17)

| | |
|-----------------------------|-------------------|
| a) Ground Floor | |
| Basic rate | 590.00 |
| Add 12% For area weightages | 70.80 |
| | <u>660.80</u> Sqm |

32. KSRB 8.4-1 : Providing and fixing **Mangalore tile roofing** using first class tiles with necessary special tiles for ridges and hips, Nandi wood reapers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17 (Page No:47, SI No:8.10, SR 2016-17)

| | |
|-----------------------------|---------------------|
| Basic rate | 1,201.00 |
| Add 12% For area weightages | 144.12 |
| | <u>1,345.12</u> Sqm |

33. Providing and laying flooring for corridors/ lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. (Page no 108, item no 14.48.1, SR 2016-17).

| | |
|-----------------------------|---------------------|
| Basic rate | 2,556.00 |
| Add 12% For area weightages | 306.72 |
| | <u>2,862.72</u> Sqm |

34. Providing and fixing of wall cladding using 20mm thick gang saw water cut grey granite in CM 1:3 proportion, cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing etc., complete (Page no110, item no 14.67.1, PWD SR 2016-17)

| | |
|-----------------------------|---------------------|
| a) Ground / Basement floor | |
| Basic rate | 2,295.00 |
| Add 12% For area weightages | 275.40 |
| | <u>2,570.40</u> Sqm |

35. Providing and fixing of wall cladding using polished Laterite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc., complete (Quotation rate)

Basic rate

2,000.00
2,000.00 Sqm

Yohanna

Yohanna

PART - II
ABSTRACT ESTIMATION OF CLOCK TOWER YARD WORKS, MANGALURU

| S/NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|------|---|------|--------|----------|----------------------|
| 1. | KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, watersupply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No.KBS 2.1(a) / 2.3.5 (Page no 5, item no 2.3, SR 2016-17) | | | | |
| | | Cum | 148.54 | 211.68 | 31444/- 31,448.50 |
| 2. | KSRB 2-2.4 : Excavation 1.5 m. and above in width in soft rock without blasting for foundations of buildings, watersupply, sanitary lines and electrical conduits either in pits or in trenches not exceeding 1.5 m. in depth, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including cost of explosives, labour and HOM of equipment complete as per specifications. specification. No.KBS 2.1.C /2.9.4/2.18/2.19 (Page no 5, item no 2.6 ,SR 2016-17) | | | | |
| | | Cum | 37.14 | 988.96 | 36726/- 36,726.67 |
| 3 | KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (Page no 6, item no 2.10, SR 2016-17) | | | | |
| | | Cum | 534.61 | 142.24 | 76,043.10 |
| 4. | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page no 12,item no 4.3, SR 2016-17) | | | | |
| | | Cum | 12.90 | 5,451.04 | 70297/- 70,296.95 |
| 5. | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs,with 20 mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation , plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (page 13, item no 4.7 PWD SR 2016-17). | | | | |
| | | Cum | 24.11 | 5,915.84 | 1,42,629.05 |

357139

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|--|------|--------|----------|-------------|
| 6. | KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (Page no 9, item no 3.2, SR 2016-17) | | | | 351139 |
| | | Sqm | 210.37 | 115.36 | 24,268.28 |
| 7. | KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed courses not less than 20 cms high, bond stones at two m. aprat in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(page 23, item no 5.6 PWD SR 2016-17). | | | | |
| | | Cum | 33.07 | 4,689.44 | 1,55,061.02 |
| 8. | KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. aprat in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (page 23, item no 5.9 PWD SR 2016-17). | | | | |
| | | Cum | 44.60 | 5,605.60 | 2,49,981.73 |
| 9. | Providing and constructing laterite size stone masonry including cost and conveyance of materials curing etc complete as per specification FOR SUPER STURCTRE in C M 1:6 (Page no 267, item no 37.66.1 SR 2016-17 i) Ground Floor | | | | |
| | | Cum | 44.57 | 4,939.20 | 2,20,145.08 |
| 10. | KSRB 15.3.12 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, :Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No: 114, SI No: 15.19 SR 2016-17) a) External Wall i) Ground Floor | | | | |
| | | Sqm | 223.90 | 262.08 | 58,679.71 |
| | KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page no 118, item no 15.53.2, SR 2016-17) i) Ground Floor | | | | |
| | | Sqm | 223.90 | 92.40 | 20,688.36 |

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|--|------|--------|----------|-------------|
| 12. | KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and coarse sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (Page No 101, Item no 14.6, SR 2016-17) | | | | 1085963 |
| | | Sqm | 68.09 | 1,021.44 | 69,549.08 |
| 13. | Providing and laying flooring for corridors/ lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. (Page no 108, item no 14.48.1, SR 2016-17). | | | | 355815.00 |
| | | Sqm | 124.29 | 2,862.72 | 3,55,814.63 |
| 14. | Providing Full Nosing for 40mm Thick granite slab using required machinery including cost and conveyance of all materials,labour for all items of work,HOM of equipment etc,complete. (Page no 108, item no 14.53, SR 2016-17). | | | | |
| | | Rmt | 181.75 | 532.00 | 96,691.00 |
| 5. | Providing Full Nosing for 20mm Thick granite slab using required machinery including cost and conveyance of all materials,labour for all items of work,HOM of equipment etc,complete. (Page no 108, item no 14.55, SR 2016-17). | | | | |
| | | Rmt | 64.20 | 266.56 | 17,113.15 |
| 16. | Providing and laying /fixing cement base, precast, pre polished concrete , designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing , laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement , including cost of materials , including cutting, griding the edge to half /full round wherever required, labour , curing complete as per specification. (Page no 109, item no 14.62 PWD SR 2016-17) | | | | |
| | | Sqm | 217.45 | 1,215.20 | 2,64,245.24 |

1889376

| SI NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|--|------|-------|----------|------------------------|
| 17. | Providing and fixing M.S.grill over existing compound wall as per using 16mm X 16 mm M.S. Square rod at 150 mm C/C spacing and 6mm X 40 mm M.S. flats at horizontal and 6mm X 12mm M.S. flat for Ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. the work includes cost of all materials,labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specifications. (Page No 42, SI No 7.36, SR 2016-17) | | | | 1889376 |
| | | Sqm | 50.53 | 5,850.88 | 2956457 2,95,644.97 |
| 18. | Providing and fixing M.S.Gate as per Chief Architect Drawing, using 50mm X 50 mm 14 guage M.S. Hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm X 6 mm and 16 mm X 16 mm Square rods for verticals alternatively spaced at 4 cms C/C in two halves and 40mm X 6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. the work includes cost of all materials, labour charges for all items of work, hire charges for welding,cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges etc., complete (Page No 42, SI No 7.37, SR 2016-17) | | | | |
| | | Sqm | 9.31 | 3,286.08 | 30,585.19 |
| 9. | Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing No. 11520/HRSC with hand rail 50mm dia 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia, Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe . The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges etc., complete as per specification (Page No 43, Item no 7.38, SR 2016-17) | | | | |
| | | Sqm | 11.10 | 6,884.64 | 764201 76,419.50 |
| | | | | | 32,974.77 |
| 20. | Miscellaneous works | | | | 23,25,000.00 |

22,92,972

2292471.94

(Rupees Twenty Three Lakh Twenty Five Thousand Only)

[Signature]

[Signature]

DETAILED ESTIMATION OF CLOCK TOWER YARD WORK, MANGALURU

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|---|----|-------|---------------|------|--------|------|
| 1. | KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, watersupply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No.KBS 2.1(a) / 2.3.5 (Page no 5, item no 2.3, SR 2016-17) | | | | | | |
| | R.R Masonry for Seating Area | 4 | 13.90 | 0.90 | 1.60 | 80.06 | |
| | | 2 | 8.40 | 0.75 | 0.20 | 2.52 | |
| | | 2 | 7.60 | 0.75 | 0.20 | 2.28 | |
| | Back side Compound wall | 1 | 36.25 | 1.05 | 1.60 | 60.90 | |
| | Compound Wall Side | 1 | 11.30 | 0.45 | 0.70 | 3.56 | |
| | | 1 | 9.65 | 0.45 | 0.70 | 3.04 | |
| | B/w Inteterlock | 1 | 3.30 | 0.50 | 0.60 | 0.99 | |
| | | 1 | 10.85 | 0.50 | 0.60 | 3.26 | |
| | | 1 | 7.10 | 0.50 | 0.60 | 2.13 | |
| | | 1 | 2.65 | 0.50 | 0.60 | 0.80 | |
| | | 1 | 2.70 | 0.50 | 0.60 | 0.81 | |
| | | 1 | 2.45 | 0.50 | 0.60 | 0.74 | |
| | | 1 | 4.15 | 0.50 | 0.60 | 1.25 | |
| | | 1 | 3.90 | 0.50 | 0.60 | 1.17 | |
| | | 1 | 2.40 | 0.50 | 0.60 | 0.72 | |
| | | 1 | 2.00 | 0.50 | 0.60 | 0.60 | |
| | | 1 | 2.65 | 0.50 | 0.60 | 0.80 | |
| | | 1 | 6.10 | 0.50 | 0.60 | 1.83 | |
| | | 1 | 9.10 | 0.50 | 0.60 | 2.73 | |
| | | 1 | 3.20 | 0.50 | 0.60 | 0.96 | |
| | | 1 | 48.50 | 0.50 | 0.60 | 14.55 | |
| | | | | | | 185.68 | |
| | 80 % In hard soil | | | | | 148.54 | Cum |
| 2. | KSRB 2-2.4 : Excavation 1.5 m. and above in width in soft rock without blasting for foundations of buildings, watersupply, sanitary lines and electrical conduits either in pits or in trenches not exceeding 1.5 m. in depth, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including cost of explosives, labour and HOM of equipment complete as per specifications. specification. No.KBS 2.1.C /2.9.4/2.18/2.19 (Page no 5, item no 2.6 ,SR 2016-17) | | | | | | |
| | 20% | | | (item No 3) | | 37.14 | Cum |
| 3. | KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (Page no 6, item no 2.10, SR 2016-17) | | | | | | |
| | Entrance Area | 1 | 22.00 | 3.80 | 1.00 | 83.60 | |
| | Right Side | 1 | 14.00 | 7.75 | 1.30 | 141.05 | |
| | Left Side | 1 | 14.00 | 6.35 | 0.50 | 44.45 | |
| | Passage Area | 2 | 13.00 | 2.30 | 1.50 | 89.70 | |

| SI NO | DESCRIPTION OF WORK | | | | | QTY | UNIT |
|-------|--|----|-------|------|------|---------------|------------|
| | | No | L | B | D | | |
| | | 2 | 8.40 | 2.30 | 1.50 | 57.96 | |
| | | 2 | 7.60 | 1.05 | 1.00 | 15.96 | |
| | Back Side Near Compound wall | 2 | 5.50 | 1.05 | 1.00 | 11.55 | |
| | Back Side Step Landing | 1 | 36.25 | 1.50 | 1.45 | 78.84 | |
| | | 1 | 3.65 | 3.50 | 0.90 | 11.50 | |
| | | | | | | 524.61 | Cum |
| 4. | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page no 12,item no 4.3, SR 2016-17) | | | | | | |
| | R.R Masonry for Seating Area | 4 | 12.90 | 0.75 | 0.10 | 4.17 | |
| | Back side Compound wall | 1 | 36.25 | 0.90 | 0.10 | 3.26 | |
| | | 2 | 8.40 | 0.60 | 0.10 | 1.01 | |
| | | 2 | 7.60 | 0.60 | 0.10 | 0.91 | |
| | Compound Wall Side | 1 | 11.30 | 0.30 | 0.10 | 0.34 | |
| | | 1 | 9.65 | 0.30 | 0.10 | 0.29 | |
| | B/w Inteterlock | 1 | 3.30 | 0.35 | 0.08 | 0.09 | |
| | | 1 | 10.85 | 0.35 | 0.08 | 0.28 | |
| | | 1 | 7.10 | 0.35 | 0.08 | 0.19 | |
| | | 1 | 2.65 | 0.35 | 0.08 | 0.07 | |
| | | 1 | 2.70 | 0.35 | 0.08 | 0.07 | |
| | | 1 | 2.45 | 0.35 | 0.08 | 0.06 | |
| | | 1 | 4.15 | 0.35 | 0.08 | 0.11 | |
| | | 1 | 3.90 | 0.35 | 0.08 | 0.10 | |
| | | 1 | 2.40 | 0.35 | 0.08 | 0.06 | |
| | | 1 | 2.00 | 0.35 | 0.08 | 0.05 | |
| | | 1 | 2.65 | 0.35 | 0.08 | 0.07 | |
| | | 1 | 6.10 | 0.35 | 0.08 | 0.16 | |
| | | 1 | 9.10 | 0.35 | 0.08 | 0.24 | |
| | | 1 | 3.20 | 0.35 | 0.08 | 0.08 | |
| | | 1 | 48.50 | 0.35 | 0.08 | 1.27 | |
| | | | | | | 12.90 | Cum |
| 5. | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs,with 20 mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation , plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (page 13, item no 4.7 PWD SR 2016-17). | | | | | | |
| | Ground Floor | | | | | | |
| | R.R Masonry for Seating Area | 8 | 5.10 | 0.45 | 0.08 | 1.38 | |
| | | 2 | 8.40 | 0.40 | 0.08 | 0.50 | |
| | | 2 | 7.60 | 0.40 | 0.08 | 0.46 | |
| | Back side Compound wall | 1 | 36.25 | 0.60 | 0.10 | 2.18 | |
| | Passage Area | 2 | 13.00 | 2.30 | 0.08 | 4.49 | |
| | | 2 | 8.40 | 2.30 | 0.08 | 2.90 | |
| | Tile Area | 1 | 8.50 | 6.15 | 0.08 | 3.92 | |
| | | 1 | 3.00 | 4.60 | 0.08 | 1.04 | |
| | | 1 | 6.05 | 6.00 | 0.08 | 2.72 | |
| | Step Area | 1 | 3.65 | 1.80 | 0.08 | 0.49 | |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|---|----|-------|------|------|---------------|------|
| | | 1 | 3.65 | 0.60 | 0.08 | 0.16 | |
| | | 1 | 2.00 | 2.10 | 0.08 | 0.32 | |
| | | 1 | 2.00 | 1.80 | 0.08 | 0.27 | |
| | | 1 | 3.65 | 1.85 | 0.08 | 0.51 | |
| | | 1 | 3.65 | 0.60 | 0.08 | 0.16 | |
| | | 1 | 3.65 | 3.50 | 0.08 | 0.96 | |
| | B/w Inteterlock | 1 | 3.30 | 0.20 | 0.08 | 0.05 | |
| | | 1 | 10.85 | 0.20 | 0.08 | 0.16 | |
| | | 1 | 7.10 | 0.20 | 0.08 | 0.11 | |
| | | 1 | 2.65 | 0.20 | 0.08 | 0.04 | |
| | | 1 | 2.70 | 0.20 | 0.08 | 0.04 | |
| | | 1 | 2.45 | 0.20 | 0.08 | 0.04 | |
| | | 1 | 4.15 | 0.20 | 0.08 | 0.06 | |
| | | 1 | 3.90 | 0.20 | 0.08 | 0.06 | |
| | | 1 | 2.40 | 0.20 | 0.08 | 0.04 | |
| | | 1 | 2.00 | 0.20 | 0.08 | 0.03 | |
| | | 1 | 2.65 | 0.20 | 0.08 | 0.04 | |
| | | 1 | 6.10 | 0.20 | 0.08 | 0.09 | |
| | | 1 | 9.10 | 0.20 | 0.08 | 0.14 | |
| | | 1 | 3.20 | 0.20 | 0.08 | 0.05 | |
| | | 1 | 48.50 | 0.20 | 0.08 | 0.73 | |
| | | | | | | 24.11 | |
| 6. | KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (Page no 9, item no 3.2, SR 2016-17) | | | | | | |
| | Raised Platform Area | 2 | 13.00 | 2.30 | | 59.80 | |
| | | 2 | 8.40 | 2.30 | | 38.64 | |
| | Outside Area | 1 | 9.10 | 6.15 | | 55.97 | |
| | | 1 | 4.10 | 4.65 | | 19.07 | |
| | | 1 | 6.15 | 6.00 | | 36.90 | |
| | | | | | | 210.37 | Sqm |
| 7. | KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed courses not less than 20 cms high, bond stones at two m. aprat in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(page 23, item no 5.6 PWD SR 2016-17). | | | | | | |
| | R.R Masonry for Seating Area | 4 | 13.90 | 0.60 | 0.60 | 20.02 | |
| | Back side Compound wall | 1 | 36.25 | 0.60 | 0.60 | 13.05 | |
| | | | | | | 33.07 | Cum |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|--|----|-------|------|------|--------|------|
| 8. | KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. aprat in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (page 23, item no 5.9 PWD SR 2016-17). | | | | | | |
| | R.R Masonry for Seating Area | 4 | 13.90 | 0.45 | 1.00 | 25.02 | |
| | Back side Compound wall | 1 | 36.25 | 0.60 | 0.90 | 19.58 | |
| | | | | | | - | |
| | | | | | | 44.60 | Cum |
| 9. | Providing and constructing laterite size stone masonry including cost and conveyance of materials curing etc complete as per specification FOR SUPER STURCTRE in C M 1:6 (Page no 267, item no 37.66.1 SR 2016-17 | | | | | | |
| | i) Ground Floor | | | | | | |
| | B/w Interlock Area | 1 | 3.30 | 0.20 | 0.40 | 0.26 | |
| | | 1 | 10.85 | 0.20 | 0.40 | 0.87 | |
| | | 1 | 7.10 | 0.20 | 0.40 | 0.57 | |
| | | 1 | 2.65 | 0.20 | 0.40 | 0.21 | |
| | | 1 | 2.70 | 0.20 | 0.40 | 0.22 | |
| | | 1 | 2.45 | 0.20 | 0.40 | 0.20 | |
| | | 1 | 4.15 | 0.20 | 0.40 | 0.33 | |
| | | 1 | 3.90 | 0.20 | 0.40 | 0.31 | |
| | | 1 | 2.40 | 0.20 | 0.40 | 0.19 | |
| | | 1 | 2.00 | 0.20 | 0.40 | 0.16 | |
| | | 1 | 2.65 | 0.20 | 0.40 | 0.21 | |
| | | 1 | 6.10 | 0.20 | 0.40 | 0.49 | |
| | | 1 | 9.10 | 0.20 | 0.40 | 0.73 | |
| | | 1 | 3.20 | 0.20 | 0.40 | 0.26 | |
| | | 1 | 48.50 | 0.20 | 0.40 | 3.88 | |
| | Seating Area | 8 | 5.10 | 0.40 | 0.60 | 9.79 | |
| | | 2 | 8.40 | 0.40 | 0.23 | 1.55 | |
| | | 2 | 7.60 | 0.40 | 0.23 | 1.40 | |
| | Compound Wall Side | 1 | 11.30 | 0.20 | 0.60 | 1.36 | |
| | | 1 | 9.65 | 0.20 | 0.60 | 1.16 | |
| | Back Side Compound wall | 1 | 36.25 | 0.23 | 0.80 | 6.67 | |
| | Opening | -1 | 3.65 | 0.23 | 2.25 | (1.89) | |
| | Pillar | 11 | 0.45 | 0.45 | 1.00 | 2.23 | |
| | | 11 | 0.25 | 0.25 | 1.65 | 1.13 | |
| | Steps | | | | | - | |
| | Front Side | 1 | 3.65 | 0.60 | 0.15 | 0.33 | |
| | | 1 | 3.65 | 0.30 | 0.15 | 0.16 | |
| | Left Side | 1 | 3.65 | 1.80 | 0.15 | 0.99 | |
| | | 1 | 3.65 | 1.50 | 0.15 | 0.82 | |
| | | 1 | 3.65 | 1.20 | 0.15 | 0.66 | |
| | | 1 | 3.65 | 0.90 | 0.15 | 0.49 | |
| | | 1 | 3.65 | 0.60 | 0.15 | 0.33 | |
| | | 1 | 3.65 | 0.30 | 0.15 | 0.16 | |
| | Back Side | 1 | 2.00 | 2.10 | 0.15 | 0.63 | |
| | | 1 | 2.00 | 1.80 | 0.15 | 0.54 | |
| | | 1 | 2.00 | 1.50 | 0.15 | 0.45 | |
| | | 1 | 2.00 | 1.20 | 0.15 | 0.36 | |
| | | 1 | 2.00 | 0.90 | 0.15 | 0.27 | |
| | | 1 | 2.00 | 0.60 | 0.15 | 0.18 | |
| | | 1 | 2.00 | 0.30 | 0.15 | 0.09 | |
| | | 1 | 3.65 | 1.80 | 0.15 | 0.99 | |
| | | 1 | 3.65 | 1.50 | 0.15 | 0.82 | |
| | | 1 | 3.65 | 1.20 | 0.15 | 0.66 | |
| | | 1 | 3.65 | 0.90 | 0.15 | 0.49 | |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|---|----|-------|------|------|---------------|------|
| | | 1 | 3.65 | 0.60 | 0.15 | 0.33 | |
| | | 1 | 3.65 | 0.30 | 0.15 | 0.16 | |
| | | 1 | 2.00 | 1.80 | 0.15 | 0.54 | |
| | | 1 | 2.00 | 1.50 | 0.15 | 0.45 | |
| | | 1 | 2.00 | 1.20 | 0.15 | 0.36 | |
| | | 1 | 2.00 | 0.90 | 0.15 | 0.27 | |
| | | 1 | 2.00 | 0.60 | 0.15 | 0.18 | |
| | | 1 | 2.00 | 0.30 | 0.15 | 0.09 | |
| | | 1 | 3.65 | 0.60 | 0.15 | 0.33 | |
| | | 1 | 3.65 | 0.30 | 0.15 | 0.16 | |
| | | | | | | 44.57 | Cum |
| 10. | KSRB 15.3.12 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, :Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No: 114, SI No:15.19 SR 2016-17) | | | | | | |
| | i) Ground Floor | | | | | | |
| | Seating Area | 8 | 5.10 | | 1.00 | 40.80 | |
| | | 2 | 8.40 | | 0.90 | 15.12 | |
| | | 2 | 7.60 | | 0.90 | 13.68 | |
| | Steps | | | | | | |
| | Front Side | 2 | 3.65 | | 0.45 | 3.29 | |
| | Side | 2 | 0.60 | | 0.25 | 0.30 | |
| | Left Side | 6 | 3.65 | | 0.45 | 9.86 | |
| | Side | 2 | 1.80 | | 0.45 | 1.62 | |
| | Back Side | 7 | 2.00 | | 0.45 | 6.30 | |
| | | 7 | 2.00 | | 0.45 | 6.30 | |
| | | 6 | 3.65 | | 0.45 | 9.86 | |
| | | 2 | 3.65 | | 0.45 | 3.29 | |
| | Back Side Compound wall | | | | | | |
| | | 1 | 36.25 | | 2.25 | 81.56 | |
| | Opening | -1 | 3.65 | | 2.25 | (8.21) | |
| | Pillar | 11 | 2.00 | | 1.00 | 22.00 | |
| | | 11 | 1.00 | | 1.65 | 18.15 | |
| | | | | | | 223.90 | Sqm |
| 11. | KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page no 118, item no 15.53.2, SR 2016-17) | | | | | | |
| | i) Ground Floor | | | | | | |
| | Seating Area | 8 | 5.10 | | 1.00 | 40.80 | |
| | | 2 | 8.40 | | 0.90 | 15.12 | |
| | | 2 | 7.60 | | 0.90 | 13.68 | |
| | Steps | | | | | | |
| | Front Side | 2 | 3.65 | | 0.45 | 3.29 | |
| | Side | 2 | 0.60 | | 0.25 | 0.30 | |
| | Left Side | 6 | 3.65 | | 0.45 | 9.86 | |
| | Side | 2 | 1.80 | | 0.45 | 1.62 | |
| | Back Side | 7 | 2.00 | | 0.45 | 6.30 | |
| | | 7 | 2.00 | | 0.45 | 6.30 | |
| | | 6 | 3.65 | | 0.45 | 9.86 | |
| | | 2 | 3.65 | | 0.45 | 3.29 | |
| | Back Side Compound wall | | | | | | |
| | | 1 | 36.25 | | 2.25 | 81.56 | |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|--|-----|------|------|------|---------------|------|
| | Opening | -1 | 3.65 | | 2.25 | (8.21) | |
| | Pillar | 11 | 2.00 | | 1.00 | 22.00 | |
| | | 11 | 1.00 | | 1.65 | 18.15 | |
| | | | | | | 223.90 | Sqm |
| 12. | KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (Page No 101, Item no 14.6, SR 2016-17) | | | | | | |
| | | 1 | 2.10 | 2.13 | | 4.46 | |
| | | 0.5 | 0.90 | 1.30 | | 0.59 | |
| | | 1 | 3.65 | 2.32 | | 8.47 | |
| | | 1 | 2.15 | 3.05 | | 6.56 | |
| | | 1 | 1.40 | 1.65 | | 2.31 | |
| | | 0.5 | 1.25 | 2.20 | | 1.38 | |
| | | 0.5 | 0.80 | 0.75 | | 0.30 | |
| | | 1 | 1.50 | 1.55 | | 2.33 | |
| | | 0.5 | 2.05 | 1.20 | | 1.23 | |
| | | 0.5 | 0.75 | 0.75 | | 0.28 | |
| | | 1 | 2.70 | 2.10 | | 5.67 | |
| | | 1 | 2.70 | 2.10 | | 5.67 | |
| | | 1 | 2.55 | 1.60 | | 4.08 | |
| | | 1 | 2.60 | 1.78 | | 4.62 | |
| | | 1 | 3.20 | 2.10 | | 6.72 | |
| | | 1 | 3.70 | 2.30 | | 8.51 | |
| | | 1 | 2.10 | 2.10 | | 4.41 | |
| | | 0.5 | 1.30 | 0.80 | | 0.52 | |
| | | | | | | 68.09 | Sqm |
| 13. | Providing and laying flooring for corridors/ lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. (Page no 108, item no 14.48.1, SR 2016-17). | | | | | | |
| | i) Ground Floor | | | | | | |
| | Seating Space | 8 | 5.10 | 0.45 | | 18.36 | |
| | Step | 3 | 3.65 | 0.30 | | 3.29 | |
| | | 3 | 3.65 | 0.15 | | 1.64 | |
| | | 7 | 3.65 | 0.30 | | 7.67 | |
| | | 7 | 3.65 | 0.15 | | 3.83 | |
| | | 7 | 2.00 | 0.30 | | 4.20 | |
| | | 8 | 2.00 | 0.15 | | 2.40 | |
| | | 6 | 3.65 | 0.30 | | 6.57 | |
| | | 7 | 3.65 | 0.15 | | 3.83 | |
| | | 1 | 3.50 | 3.65 | | 12.78 | |
| | | 3 | 3.65 | 0.30 | | 3.29 | |
| | | 3 | 3.65 | 0.15 | | 1.64 | |
| | | 6 | 2.00 | 0.30 | | 3.60 | |
| | | 7 | 2.00 | 0.15 | | 2.10 | |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|---|----|-------|------|---|---------------|------|
| | Raised Platform | 1 | 3.65 | 3.85 | | 14.05 | |
| | | 2 | 8.40 | 0.40 | | 6.72 | |
| | B/w Interlock Area | 1 | 7.65 | 0.40 | | 6.12 | |
| | | 1 | 3.30 | 0.20 | | 0.66 | |
| | | 1 | 10.85 | 0.20 | | 2.17 | |
| | | 1 | 7.10 | 0.20 | | 1.42 | |
| | | 1 | 2.65 | 0.20 | | 0.53 | |
| | | 1 | 2.70 | 0.20 | | 0.54 | |
| | | 1 | 2.45 | 0.20 | | 0.49 | |
| | | 1 | 4.15 | 0.20 | | 0.83 | |
| | | 1 | 3.90 | 0.20 | | 0.78 | |
| | | 1 | 2.40 | 0.20 | | 0.48 | |
| | | 1 | 2.00 | 0.20 | | 0.40 | |
| | | 1 | 2.65 | 0.20 | | 0.53 | |
| | | 1 | 6.10 | 0.20 | | 1.22 | |
| | | 1 | 9.10 | 0.20 | | 1.82 | |
| | | 1 | 3.20 | 0.20 | | 0.64 | |
| | | 1 | 48.50 | 0.20 | | 9.70 | |
| | | | | | | 124.29 | Sqm |
| 14. | Providing Full Nosing for 40mm Thick granite slab using required machinery including cost and conveyance of all materials,labour for all items of work,HOM of equipment etc,complete. (Page no 108, item no 14.55, SR 2016-17). i) Ground Floor | | | | | | |
| | Seating Space | 16 | 5.10 | | | 81.60 | |
| | | 8 | 0.60 | | | 4.80 | |
| | Steps | 3 | 3.65 | | | 10.95 | |
| | | 7 | 3.65 | | | 25.55 | |
| | | 7 | 2.00 | | | 14.00 | |
| | | 6 | 3.65 | | | 21.90 | |
| | | 3 | 3.65 | | | 10.95 | |
| | | 6 | 2.00 | | | 12.00 | |
| | | | | | | 181.75 | Rmt |
| 15. | Providing Full Nosing for 20mm Thick granite slab using required machinery including cost and conveyance of all materials,labour for all items of work,HOM of equipment etc,complete. (Page no 108, item no 14.55, SR 2016-17). | | | | | | |
| | Raised Platform | 4 | 8.40 | | | 33.60 | |
| | | 4 | 7.65 | | | 30.60 | |
| | | | | | | 64.20 | Rmt |
| 16. | Providing and laying /fixing cement base, precast, pre polished concrete , designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing , laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement , including cost of materials , including cutting, griding the edge to half /full round wherever required, labour , curing complete as per specification. (Page no 109, item no 14.62 PWD SR 2016-17) | | | | | | |
| | Raised Platform Area | 2 | 13.00 | 2.30 | | 59.80 | |
| | | 2 | 8.40 | 2.30 | | 38.64 | |
| | | 8 | 4.65 | 0.10 | | 3.72 | |
| | | 4 | 8.40 | 0.10 | | 3.36 | |
| | | 4 | 9.10 | 6.15 | | 55.97 | |
| | Outside Area | 1 | 9.10 | 6.15 | | 19.07 | |
| | | 1 | 4.10 | 4.65 | | 36.90 | |
| | | 1 | 6.15 | 6.00 | | 36.90 | |
| | | | | | | 217.45 | Sqm |

| SI NO | DESCRIPTION OF WORK | No | L | B | D | QTY | UNIT |
|-------|--|----|-------|---|------|--------------|------|
| 17. | Providing and fixing M.S.grill over existing compound wall as per using 16mm X 16 mm M.S. Square rod at 150 mm C/C spacing and 6mm X 40 mm M.S. flats at horizontal and 6mm X 12mm M.S. flat for Ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. the work includes cost of all materials,labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specifications. (Page No 42, SI No 7.36, SR 2016-17 | | | | | | |
| | Compound wall Gate | 1 | 36.25 | | 1.55 | 56.19 | |
| | Opening | -1 | 3.65 | | 1.55 | (5.66) | |
| | | | | | | 50.53 | Sqm |
| 18. | Providing and fixing M.S.Gate as per Chief Architect Drawing, using 50mm X 50 mm 14 guage M.S. Hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm X 6 mm and 16 mm X 16 mm Square rods for verticals alternatively spaced at 4 cms C/C in two halves and 40mm X 6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. the work includes cost of all materials, labour charges for all items of work, hire charges for welding,cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges etc., complete (Page No 42, SI No 7.37, SR 2016-17) | | | | | | |
| | Compound wall Gate | 1 | 3.65 | | 2.55 | 9.31 | |
| | | | | | | 9.31 | Sqm |
| 19. | Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing No. 11520/HRSC with hand rail 50mm dia 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia, Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe . The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges etc., complete as per specification (Page No 43, Item no 7.38, SR 2016-17) | | | | | | |
| | Step Railing | 1 | 2.10 | | 1.00 | 2.10 | |
| | | 1 | 1.80 | | 1.00 | 1.80 | |
| | | 1 | 1.80 | | 1.00 | 1.80 | |
| | | 1 | 1.80 | | 1.00 | 1.80 | |
| | | 2 | 1.80 | | 1.00 | 3.60 | |
| | | | | | | 11.10 | Sqm |

Jagannath

ed 10/2

RATE ANALYSIS

1. KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, watersupply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No.KBS 2.1(a) / 2.3.5 (Page no 5, item no 2.3, SR 2016-17)

Basic rate

Add 12% For area weightages

| |
|--------------------------|
| 189.00 |
| <u>22.68</u> |
| <u>211.68</u> Cum |

2. KSRB 2-2.4 : Excavation 1.5 m. and above in width in **soft rock without blasting** for foundations of buildings, watersupply, sanitary lines and electrical conduits either in pits or in trenches not exceeding 1.5 m. in depth, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including cost of explosives, labour and HOM of equipment complete as per specifications. specification. No.KBS 2.1.C /2.9.4/2.18/2.19 (Page no 5, item no 2.6 ,SR 2016-17)

Basic rate

Add 12% For area weightages

| |
|--------------------------|
| 883.00 |
| <u>105.96</u> |
| <u>988.96</u> Cum |

3. KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (Page no 6, item no 2.10, SR 2016-17)

Basic rate

Add 12% For area weightages

| |
|--------------------------|
| 127.00 |
| <u>15.24</u> |
| <u>142.24</u> Cum |

4. KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page no 12,item no 4.3, SR 2016-17)

I) Ground floor

Basic rate

Add 12% For area weightages

| |
|----------------------------|
| 4,867.00 |
| <u>584.04</u> |
| <u>5,451.04</u> Cum |

5. KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs,with 20 mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation , plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (page 13, item no 4.7 PWD SR 2016-17).

Basic rate

Add 12% For area weightages

| |
|----------------------------|
| 5,282.00 |
| <u>633.84</u> |
| <u>5,915.84</u> Cum |

6. KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, surface of the plinth filling, junction of wall and floor, along the external perimeter of pipes and conduits, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, withchloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications.(Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (Page no 9, item no 3.2, SR 2016-17)

Basic rate

Add 12% For area weightages

| |
|--------------------------|
| 103.00 |
| <u>12.36</u> |
| <u>115.36</u> Sqm |

7. KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed courses not less than 20 cms high, bond stones at two m. aprat in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(page 23, item no 5.6 PWD SR 2016-17).

Basic rate

Add 12% For area weightages

4,187.00

502.44

4,689.44 Cum

8. KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. aprat in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (page 23, item no 5.9 PWD SR 2016-17).

Basic rate

Add 12% For area weightages

5,005.00

600.60

5,605.60 Cum

9. Providing and constructing laterite size stone masonry including cost and conveyance of materials curing etc complete as per specification FOR SUPER STURCTRE in C M 1:6 (Page no 267, item no 37.66.1 SR 2016-17

i) Ground Floor

Basic rate

Add 12% For area weightages

4,410.00

529.20

4,939.20 Cum

10. KSRB 15.3.12 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, :Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No: 114, SI No:15.19 SR 2016-17)

i) Ground Floor

Basic rate

Add 12% For area weightages

234.00

28.08

262.08 Sqm

11. KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page no 118, item no 15.53.2, SR 2016-17)

i) Ground Floor

Basic rate

Add 12% For area weightages

84.00

8.40

94.08 92.40 Sqm

12. KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (Page No 101, Item no 14.6, SR 2016-17)

Basic rate

Add 12% For area weightages

912.00

109.44

1,021.44 Sqm

13. Providing and laying flooring for corridors/ lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. (Page no 108, item no 14.48.1, SR 2016-17).

Basic rate

Add 12% For area weightages

2,556.00

306.72

2,862.72 Sqm

14. Providing Full Nosing for 40mm Thick granite slab using required machinery including cost and conveyance of all materials,labour for all items of work,HOM of equipment etc,complete. (Page no 108, item no 14.53, SR 2016-17).
Basic rate
Add 12% For area weightages

475.00
57.00
532.00 Rmt

15. Providing Full Nosing for 20mm Thick granite slab using required machinery including cost and conveyance of all materials,labour for all items of work,HOM of equipment etc,complete. (Page no 108, item no 14.55, SR 2016-17).
Basic rate
Add 12% For area weightages

238.00
28.56
266.56 Rmt

16. Providing and laying /fixing cement base, precast, pre polished concrete , designer tiles 25mm thick cement mortar 1:3 mix finished with flush pointing treads of steps and landing , laid on a bed of 12mm thick cutting, griding the edge to half /full round wherever required, labour , curing complete as per specification. (Page no 109, item no 14.62 PWD SR 2016-17)

a) Ground floor

Basic rate
Add 12% For area weightages

1,085.00
130.20
1,215.20 Sqm

17. Providing and fixing M.S.grill over existing compound wall as per using 16mm X 16 mm M.S. Square rod at 150 mm C/C spacing and 6mm X 40 mm M.S. flats at horizontal and 6mm X 12mm M.S. flat for Ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. the work includes cost of all materials,labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specifications. (Page No 42, SI No 7.36, SR 2016-17)

i) Ground floor

Basic rate
Add 12% For area weightages

5,224.00
626.88
5,850.88 Sqm

18. Providing and fixing M.S.Gate as per Chief Architect Drawing, using 50mm X 50 mm 14 guage M.S. Hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm X 6 mm and 16 mm X 16 mm Square rods for verticals alternatively spaced at 4 cms C/C in two halves and 40mm X 6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. the work includes cost of all materials, labour charges for all items of work, hire charges for welding,cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges etc., complete (Page No 42, SI No 7.37, SR 2016-17)

i) Ground floor

Basic rate
Add 12% For area weightages

2,934.00
352.08
3,286.08 Sqm

19. Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing No. 11520/HRSC with hand rail 50mm dia 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia, Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe . The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges etc., complete as per specification (Page No 43, Item no 7.38, SR 2016-17)

a) Ground floor

Basic rate
Add 12% For area weightages

6,147.00
737.64
6,884.64 Sqm

Jaganath

Jaganath

SUMMARY OF ABSTARCT ESTIMATION OF CLOCK TOWER


| SI.No | Description | Amount |
|---------------------|--|---------------------------------|
| 1. | CLOCK TOWER MAIN BUILDING WORKS | 3492967 35,00,000.00 |
| 2. | YARD WORKS | 2294472 23,25,000.00 |
| 3. | ALUMINIUM LADDER | 3,00,000.00 |
| 4. | CLOCK (4 NO) WITH ACCESSORIES | 15,00,000.00 |
| 5. | ELECTRICAL WORKS | 4,00,000.00 |
| 56 | LANDSCAPING WORKS | 5,00,000.00 |
| 57 | CONSULTANT FEES, TAX AND MISCELLANEOUS WORKS | 514561 4,75,000.00 |
| TOTAL AMOUNT | | 90,00,000.00 |

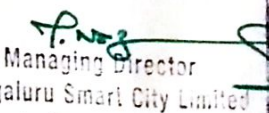
(RUPEES NINTY LAKH ONLY)

Technical Sanction for the work of Construction
of clock tower on u.p. Malya road
near Townhall. for Rs. Ninty lakh.
90,00,000/- only

Under H/A

Vide Sl. No. 4/2017-18 Date 21/12/2017
 is Accorded.


 Superintending Engineer
 Mangaluru Smart City Limited
 Mangaluru



 Managing Director
 Mangaluru Smart City Limited
 Mangaluru

Administrative Approval for the construction of clock
work tower on u.p. Malya road near town hall
at Mangaluru under H.S.C.L.

For Rs. 90,00,000/- Ninty lakh.

Head to
 Account 2017-05-191-1-13 (059) Malu

Vide Sl. No. 2/2017-18
 is Accorded.


 Managing Director
 Mangaluru Smart City Limited
 Mangaluru