| Sr.No. | Description | Unit | Rate (Rs.) |  | Ref. Tech. Specs. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Labour | Composite |  |
| 13-1 a) | Providing and laying roof insulation comprising single layer of first class burnt brick tile 9 "x 4.5 "x 1.5" laid with 1:6 cement sand mortar and grouted with 1:3 cement sand mortar laid over 4inches ( 100 mm ) thick earth and 1inch ( 25 mm ) thick gobri leaping over two coats of hot bitumen @ 34 lbs. per 100 Sq.ft.(1.65 Kg/Sq.m) sand blended covered with polythene sheet 300 gauge provided over single layer of tiles $12 " \times 6$ "x1.25" laid in 1:6 cement sand mortar including 1:2 noment cand nninting ındercide af tilec inclıidinc cıuring | Sq.m. Sq.ft. | $\begin{array}{\|c} 1,000.95 \\ 93.05 \end{array}$ | $\begin{gathered} 3,934.60 \\ 365.65 \end{gathered}$ | 13.3 |
| b) | Providing and laying first class burnt brick tile roofing laid in 1 : 6 cement sand mortar including 1:2 cement sand pointing underside of tiles including curing for Tee iron/girder roof (Cost of Tee iron/ girder not included) | Sa.m. <br> Sq.ft. | $\begin{gathered} 192.80 \\ 17.90 \end{gathered}$ | $\begin{gathered} 1,869.45 \\ 173.75 \end{gathered}$ | 13.3 |
| c) | Extra if PCC tiles are used in place of first class burnt bricks in item 13-1(b) above | Sa.m. Sq.ft. | $\begin{gathered} 67.50 \\ 6.25 \end{gathered}$ | $\begin{gathered} 654.30 \\ 60.80 \end{gathered}$ | 13.4.2 |
| 13-2 a) | Providing and laying second class brick tile roofing-comprising 4 inches ( 100 mm ) thick earth and $1 \mathrm{inch}(25 \mathrm{~mm})$ thick mud plaster with gobri leeping over $1 / 2$ inch (13mm) thick cement plaster 1:6 with $34 \mathrm{lbs} . / 100 \mathrm{Sq} . \mathrm{ft} .(1.65 \mathrm{Kg} . / \mathrm{Sq} . \mathrm{m}$.$) hot bitumen$ coating sand blended in one coat, provided over one layer of tiles 12 " x 6 " $\times 2$ " laid in 1:6 cement sand mortar including 1:2 cement sand pointing underside of tiles including curing | Sq.m. Sq.ft. | $\begin{gathered} 635.00 \\ 59.00 \end{gathered}$ | $\begin{gathered} 3,429.40 \\ 318.70 \end{gathered}$ | 13.4 |
| b) | Providing and laying second class brick tile roofing comprising 4 inches ( 100 mm ) thick earth and 1 inch ( 25 mm ) thick mud plaster with gobri leeping provided over one layer of tiles 12 "x 6 "x 2" laid in 1:6 cement sand mortar including 1:2 cement sand pointing underside of tiles including curing | Sq.m. Sq.ft. | $\begin{gathered} 621.55 \\ 57.75 \end{gathered}$ | $\begin{gathered} 3,006.10 \\ 279.40 \end{gathered}$ | 13.4 |
| 13-3 | Covering mud roof with coaltar $37 \mathrm{lbs} . / 100 \mathrm{~S} . \mathrm{ft} .(1.8 \mathrm{Kg} / \mathrm{Sq} . \mathrm{m})$ and fine sand. | Sq.m. Sq.ft. | 5.51 0.50 | 709.10 65.90 | $\begin{aligned} & 13.3 .3 \\ & 13.15 \end{aligned}$ |
| 13-4 | Filling spaces in between: Wooden battens over beams filled with deodar wood pieces | Sq.m. <br> Sq.ft. | $\begin{gathered} 95.00 \\ 8.85 \end{gathered}$ | $\begin{gathered} 378.90 \\ 35.20 \end{gathered}$ | $\left\lvert\, \begin{gathered} 13.3 .2(13) \\ 13.3 .2(4)(h) \end{gathered}\right.$ |
| b) | R.C.C. battens over beams filled with cement concrete blocks | Sq.m. Sq.ft. | $\begin{gathered} 156.10 \\ 14.50 \end{gathered}$ | $\begin{gathered} 209.50 \\ 19.45 \end{gathered}$ |  |
| c) | Spaces filled with bricks in 1:3 cement sand | Sq.m. Sq.ft. | $\begin{aligned} & 8.75 \\ & 0.80 \end{aligned}$ | $\begin{gathered} 146.40 \\ 13.60 \end{gathered}$ |  |
| 13-5 | Providing and laying roof insulation comprising single layer of first class burnt brick tile 9"x 4.5"x 1.5" laid with 1:6 cement sand mortar and grouted with 1:3 cement sand mortar laid over 4inches ( 100 mm ) thick earth and 1inch ( 25 mm ) thick mud plaster without bhoosa over two coats of hot bitumen @ 34 lbs . per 100 Sq.ft.( $1.65 \mathrm{Kg} / \mathrm{Sq} . \mathrm{m}$ ) sand blended covered with polythene sheet 300 gauge including curing etc. complete in all resnect. | Sq.m. Sq.ft. | $\begin{gathered} 324.40 \\ 30.15 \end{gathered}$ | $\begin{gathered} 3,620.05 \\ 336.45 \end{gathered}$ | 13.3 |







| Sr.No. | Description | Unit | Rate (Rs.) |  | Ref. Tech. Specs. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Labour | Composite |  |
| d) |  | R.ft. | 28.60 | 28.80 |  |
|  | Slab exceeding 6 inches (150mm) thick in stone masonry or | R.M. | 141.25 | 159.60 |  |
|  | plain concrete | R.ft. | 43.05 | 48.65 |  |
| e) | Slab upto 6 inches ( 150 mm ) thick in R.C.C | R.M. | 125.00 | 162.50 |  |
|  |  | R.ft. | 38.10 | 49.55 |  |
| f) | Slab exceeding 6 inches ( 150 mm ) thick in R.C.C | R.M. | 187.50 | 243.75 |  |
|  |  | R.ft. | 57.15 | 74.30 |  |
| 13-43 | Hoisting R.S. beams or wooden beams and placing in position. | Each | 225.00 | 225.00 |  |
| 13-44 | Hoisting and placing in position wooden ballies over roof. | Each | 56.25 | 56.25 | 13.3.2(4) |
| 13-45 | Extra for roofing of any description other than | Sq.m. | 19.15 | 44.95 | 13.3.3(1) |
|  | floor for every 5 ft . 1.5 m ) height or part thereof beyond 15 ft . ( 4.5 m ) | Sq.ft. | 1.80 | 4.20 |  |
| 13-46 | Extra for ridges, valleys, gutters etc. of any-description for | R.M. | 29.80 | 31.30 |  |
|  | every $5 \mathrm{ft}(1.5 \mathrm{~m})$ height or part therof beyond $15 \mathrm{ft}(4.5 \mathrm{~m})$ as | R.ft. | 9.10 | 9.55 |  |
| 13-47 | Extra for ceiling of any description in any floor for every 5 ft . | Sq.m. | 63.70 | 83.75 |  |
|  | $(1.5 \mathrm{~m})$ height or part therof beyond 15 ft . (4.5m) | Sq.ft. | 5.90 | 7.80 |  |
| 13-48 | Providing and laying 1" thick glass wool/roof kool sheets in 1" thick sheet cavity walls | Sq.m. <br> Sq.ft. | $\begin{gathered} 194.50 \\ 18.10 \end{gathered}$ | $\begin{gathered} 557.65 \\ 51.85 \end{gathered}$ |  |
| 13-49 | Providing and laying first class tile roof insulation comprising | Sq.m. | 375.75 | 2,602.55 | 13.2 |
|  | single layer of tiles 12 "x 6 "x 1-1/2" grouted with cement sand mortar 1:3 laid over $2.5^{\prime \prime}$ thick cement concrete 1:4:8 over glass wool /roof kool sheet wraped in polythene sheet 300 gauge $(0.03 \mathrm{~mm}$.) over a coat of PB- 4 bitumen layer at the rate of $1.65 \mathrm{Kg} . / \mathrm{Sq} . \mathrm{m}$. | Sq.ft. | 34.90 | 241.85 |  |
| 13-50 | Providing and laying first class tile roof insulation comprising | Sq.m. | 376.95 | 3,469.60 | 13.2 |
|  | single layer of tiles 12 "x 6 "x $1-1 / 2^{\prime \prime}$ grouted with cement sand mortar 1:3 laid over 3" thick mud plaster over glass wool /roof kool sheet wraped in polythene sheet 300 gauge ( 0.03 mm .) over a coat of PB-4 bitumen layer at the rate of $1.65 \mathrm{Kg} / \mathrm{Sq} . \mathrm{m}$. | Sq.ft. | 35.05 | 322.45 |  |
| 13-51 | Providing and laying G.I. pipes insulation for water supply delivery pipe comprising glass wool, jutoid water proof covered with plaster of paris treatment |  |  |  | 29.3.9 |
|  | Upto 1 inch (25 mm) dia. pipe | R.M. | 187.10 | 523.00 |  |
|  |  | R.ft. | 57.05 | 159.40 |  |
| b) | Upto 1" to 2" (25 mm to 50 mm ) dia. pipe | R.M. | 215.20 | 601.45 |  |
|  |  | R.ft. | 65.60 | 183.30 |  |
| c) | Upto 2" to 3" (50 mm to 75 mm ) dia. pipe | R.M. | 243.25 | 679.90 |  |
|  |  | R.ft. | 74.15 | 207.25 |  |




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| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Labour | Composite |  |
| a) | Extruded Polystyrene Rigid board with thickness 38 mm is insta | Sq.m | 2.25 | 924.90 |  |
|  |  | Sq.ft | 0.20 | 85.95 |  |
| a) | Extruded Polystyrene Rigid board with thickness 25 mm is insta | Sq.m | 1.85 | 625.25 |  |
|  |  | Sq.ft | 0.15 | 58.10 |  |



