












SUB HEAD : 25.0

CONSERVATION OF HERITAGE BUILDINGS











SUB HEAD : 25.0
CONSERVATION OF HERITAGE BUILDINGS

| Code | Description | Unit | Quantity | Rate ₹ | Amount ₹ |
|------|--|----------|----------|-----------|-------------|
| 25.1 | Raking out joints of stone masonry surface to the required width and depth, with due care and precaution, by mechanical / manual means, including preparing and cleaning the surface for re-pointing/ refilling of joints, including disposal of rubbish to the dumping ground within 50 metre lead. Details of cost for 1 pan. MATERIAL: Details of cost for 10 sqm. LABOUR: | | | | |
| 0114 | Beldar | day | 0.53 | 306.00 | 162.18 |
| 0115 | Coolie | day | 0.08 | 318.00 | 25.44 |
| 0101 | Bhisti | day | 0.07 | 332.00 | 23.24 |
| 9999 | Sundries | L.S. | 1.43 | 2.12 | 3.03 |
| | TOTAL | | | | 213.89 |
| | Add Water Charges @ 1% | | | | 2.14 |
| | TOTAL | | | | 216.03 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 30.35 |
| | TOTAL | | | | 246.38 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 36.96 |
| | Cost of 10 sqm | | | | 283.34 |
| | Cost of 1 sqm | | | | 28.33 |
| | add 1% labour cess | | | | 0.28 |
| | Say | | | | 28.60 |
| 25.2 | Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40 mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items of such works. Details of cost for area 22.5x9.0=202.50sqm. MATERIAL: Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking slvage value after full use of material @ 25% of cost | | | | |
| 7397 | Base Jack | each | 0.30 | 145.00 | 43.50 |
| | Qty taken for cost of using once= $14 \times 0.85 / 40 = 0.2975$ | | | | |
| 4009 | Mild steel tubes hot finished welded type | kilogram | 80.02 | 60.00 | 4801.20 |
| | 40mm dia Mild steel tubes | | | | |
| | Vertical standard 2.5m length= $7 \times 2 \times 9 \times 2.5 = 315.00$ m | | | | |
| | Side support 6.00m length= $3 \times 2 \times 6.00 = 36.00$ m | | | | |
| | Horizonatal support 3.00m length= $18 \times 3 \times 3.00 = 162.00$ m | | | | |

| Code | Description | Unit | Quantity | Rate ₹ | Amount ₹ |
|------|---|----------|----------|-----------|--------------|
| | Total=1026.00m @ 3.67 kg/m =3765.42 kg Qty taken for cost of using once= 3765.42x0.85/40=80.02kg | | | | |
| 7387 | Spigot for standard jointing 7x2x9=126 nos x 0.40m length =50.40m 50.40m@2.46kg /m=123.98kg Qty taken for cost of using once= 123.98x0.85/40=2.63kg | kilogram | 2.63 | 40.00 | 105.20 |
| 1034 | Bolts and nuts up to 300 mm in length for spigot 2x7x2x9=252 nos @ 0.15 kg each=37.80 kg =0.378q Qty taken for cost of using once= 0.378x0.85/40=0.008q | quintal | 0.008 | 5200.00 | 41.60 |
| 7346 | Double coupler Clamp coupler for fixing MS tube with scaffolding 2x3x2+2x18x3=120 nos Qty taken for cost of using once= 120x0.85/40=2.55 nos | each | 2.55 | 46.00 | 117.30 |
| 7398 | Challies 3 nos x 18 lines=54 nos Two level plate challies=2x18 lines=36 nos Total=90 nos Qty taken for cost of using once=90x0.85/40=1.9125 nos | each | 1.91 | 765.00 | 1461.15 |
| 7399 | Cup locks For Vertical standards= 5x7x2x9=630 nos) +(2x18x19=694 nos) Total=1314 nos Qty taken for cost of using once= 1314x0.85/40=27.92 | each | 27.92 | 48.00 | 1340.16 |
| 2205 | Carriage of steel 40mm dia MS pipe=3765.42kg 25mm spigot=123.98kg Nuts & bolts=37.80kg clamp=120 nos@1.00kg each=120.00kg Challies=90 nos @ 15.00kg each=1350.00kg Cup locks=1314 nos @ 0.50kg each= 657.00kg Total=6054.20kg=6.054 tonne | tonne | 6.054 | 94.8 | 573.92 |
| 116 | Fitter (grade 1) | day | 15.50 | 420.00 | 6510.00 |
| 114 | Beldar | day | 31.00 | 306.00 | 9486.00 |
| 9999 | Sundries | L.S. | 1035.00 | 2.12 | 2194.20 |
| | TOTAL | | | | 26674.23 |
| | Add Water Charges @ 1% | | | | 266.74 |
| | TOTAL | | | | 26940.97 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3785.21 |
| | TOTAL | | | | 30726.18 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 4608.93 |
| | Cost of 202.5 sqm | | | | 35335.10 |
| | Cost of 1 sqm | | | | 174.49 |
| | add 1% labour cess | | | | 1.74 |
| | Say | | | | 176.20 |

| Code | Description | Unit | Quantity | Rate ₹ | Amount ₹ |
|-------------|--|----------|----------|-----------|--------------|
| 25.3 | Cleaning the sand stone surface and removing dirt, dust, bird dropping, grease, oil, algae, fungus, monkey beats, vegetable growth etc., including providing, applying and washing the surface with liquid Ammonia Chemical of 5% solution and other chemical cleaning agent as approved by Archaeological Survey of India/ Engineer-in-charge, of approved brand and manufacturer, with the help of required scrubbers and also cleaning with machine operated water jet mixed with desired quantity of fine silica where ever required, without causing any scratching/ damage to the stone surface and finally washing the surface with clean water with the help of pressure jet machine, complete in all respect, including taking all precautions to safeguard ventilators, windows, doors etc. by suitable covering so as to avoid any damage to the building/ structure, all as per direction of Engineer-in-charge (The rate is inclusive of all materials & labours involved except scaffolding). | | | | |
| | Details of cost for 10 sqm. | | | | |
| | MATERIAL: | | | | |
| 7767 | Stone cleaning chemical approved by ASI 1 kg teepal of 3% solution for 10 sqm area cost for 10sqm 0.10 kg @ Rs.164.01 | litre | 0.10 | 270.00 | 27.00 |
| 7771 | Liquid Amonia 5% LABOUR: for applying the camical Salution) | litre | 0.17 | 145.00 | 24.65 |
| 103 | Blacksmith 2nd class | day | 0.20 | 223.00 | 44.60 |
| 114 | Beldar | day | 0.20 | 306.00 | 61.20 |
| 128 | Mate | day | 0.10 | 325.00 | 32.50 |
| 9999 | a)Cleaning T & P & its manitinance cost Jet Pump, electrice cable, horse pipe, waler pipe, Nozel safety belt Rope & mantance cost and safety machine for window etc.) | L.S. | 1.00 | 2.12 | 2.12 |
| 6501 | Sand zone V (Jamuna) Labour (for pressure cleaning) | cum | 0.0283 | 141.85 | 4.01 |
| 103 | Blacksmith 2nd class | day | 0.40 | 223.00 | 89.20 |
| 114 | Beldar | day | 0.80 | 306.00 | 244.80 |
| 128 | Mate | day | 0.10 | 325.00 | 32.50 |
| | TOTAL | | | | 562.58 |
| | Add Water Charges @ 1% | | | | 5.63 |
| | TOTAL | | | | 568.21 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 79.83 |
| | TOTAL | | | | 648.04 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 97.21 |
| | Cost of 10 sqm | | | | 745.25 |
| | Cost of 1 sqm | | | | 74.53 |
| | add 1% labour cess | | | | 0.75 |
| | Say | | | | 75.30 |
| 25.4 | Providing and applying antifungal wash treatment using 3% solution of sodium pentachlorophenate, of reputed brand and manufacturer, on cleaned sand stone surface at desired locations as per direction of Engineer-in-charge (The rate is inclusive of all materials & labours involved except scaffolding). | | | | |
| | Details of cost for 10 sqm. | | | | |
| | MATERIAL: | | | | |
| 7775 | Sodium pentachlorophenate | kilogram | 0.10 | 500.00 | 50.00 |
| | LABOUR: | | | | |
| 103 | Blacksmith 2nd class | day | 0.25 | 223.00 | 55.75 |
| 114 | Beldar | day | 0.25 | 306.00 | 76.50 |
| 128 | Mate | day | 0.125 | 325.00 | 40.63 |
| | TOTAL | | | | 222.88 |

750

BCD/SOR_11th Edition_2022

| Code | Description | Unit | Quantity | Rate ₹ | Amount ₹ |
|-------------|--|---------|----------|-----------|---------------|
| | Add Water Charges @ 1% | | | | 2.22875 |
| | TOTAL | | | | 225.10 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 31.63 |
| | TOTAL | | | | 256.73 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 38.51 |
| | Cost of 10 sqm | | | | 295.24 |
| | Cost of 1 sqm | | | | 29.52 |
| | add 1% labour cess | | | | 0.30 |
| | Say | per sqm | | | 29.80 |
| 25.5 | Ruled /Flush pointing on Red sand stone masonry surface with lime, surkhi and marble dust mortar in the ratio of 1:1.5:1/2 (One lime: 1.5 surkhi (50% red and 50% light yellow surkhi):1/2 marble dust). (The rate is inclusive of all materials & labours involved except scaffolding) | | | | |
| | Details of cost for 10 sqm. | | | | |
| | MATERIAL: | | | | |
| 3.19 | Rate as per Item Number 3.19 of SH: Mortar | day | 0.023 | 1918.126 | 44.12 |
| | LABOUR: | | | | |
| 155 | Mason (average) | day | 0.92 | 369.00 | 339.48 |
| 115 | Coolie | day | 1.37 | 318.00 | 435.66 |
| 101 | Bhisti | day | 0.93 | 332.00 | 308.76 |
| 9999 | Sundries | L.S. | 4.03 | 2.12 | 8.54 |
| | TOTAL | | | | 1136.56 |
| | Add Water Charges @ 1% | | | | 11.37 |
| | TOTAL | | | | 1147.93 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 161.28 |
| | TOTAL | | | | 1309.21 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 196.38 |
| | Cost of 10 sqm | | | | 1505.59 |
| | Cost of 1 sqm | | | | 150.56 |
| | add 1% labour cess | | | | 1.51 |
| | Say | | | | 152.10 |
| 25.6 | Ruled/ Flush pointing on White sand stone masonry surface with lime, surkhi and marble dust mortar in the ratio of 1:1.5:1/2 (One lime:1.5 surkhi (15% dark red and 85% light yellow surkhi):1/2 marble dust). (The rate is inclusive of all materials & labours involved except scaffolding). | | | | |
| | Details of cost for 10 sqm. | | | | |
| | MATERIAL: | | | | |
| 3.19 | Rate as per Item Number 3.19 of SH: Mortar | day | 0.023 | 1918.126 | 44.12 |
| | LABOUR: | | | | |
| 155 | Mason (average) | day | 0.92 | 369.00 | 339.48 |
| 115 | Coolie | day | 1.37 | 318.00 | 435.66 |
| 101 | Bhisti | day | 0.93 | 332.00 | 308.76 |
| 9999 | Sundries | L.S. | 4.03 | 2.12 | 8.54 |
| | TOTAL | | | | 1136.56 |
| | Add Water Charges @ 1% | | | | 11.37 |
| | TOTAL | | | | 1147.93 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 161.28 |
| | TOTAL | | | | 1309.21 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 196.38 |
| | Cost of 10 sqm | | | | 1505.59 |
| | Cost of 1 sqm | | | | 150.56 |
| | add 1% labour cess | | | | 1.51 |
| | Say | | | | 152.10 |








| Code | Description | Unit | Quantity | Rate ₹ | Amount ₹ |
|-------------|--|-------|----------|-----------|---------------|
| 25.7 | Applying two or more coat of Ethyl Silicate chemical as approved by Archaeological Survey of India/ Engineer-in-charge, of approved brand and manufacturer, with brush or spray on the existing stone masonry surface till there is no further absorption of chemical by stone surface, including protecting the applied surface from direct sunlight by suitable means during application, all complete as per direction of the Engineer-in-Charge (The rate is inclusive of all materials & labours involved except scaffolding). | | | | |
| | Details of cost for 5 sqm. | | | | |
| | MATERIAL: | | | | |
| 7769 | Stone surface strengthening chemical approved by ASI | litre | 1.00 | 835.00 | 835.00 |
| | LABOUR: | | | | |
| 131 | Painter | day | 0.15 | 391.00 | 58.65 |
| 114 | Beldar | day | 0.15 | 306.00 | 45.90 |
| 9999 | Sundries | L.S. | 6.00 | 2.12 | 12.72 |
| | TOTAL | | | | 952.27 |
| | Add Water Charges @ 1% | | | | 9.52 |
| | TOTAL | | | | 961.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 135.13 |
| | TOTAL | | | | 1096.92 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 164.54 |
| | Cost of 5 sqm | | | | 1261.46 |
| | Cost of 1 sqm | | | | 252.29 |
| | add 1% labour cess | | | | 2.52 |
| | Say | | | | 254.80 |
| 25.8 | Applying breathable, non-reactive, antifungal, and water repellant Silane/ Siloxane chemical as approved by Archaeological Survey of India/ Engineer-in-charge, of approved brand and manufacture, diluted with solvent mineral Turpentine oil in the ratio of 1:12 (One part of approved chemical :12 Part of Turpentine oil), on the existing sand stone masonry surface with two or more coats to give uniform application of chemical on the surface, all complete as per direction of Engineer-In-charge (The rate is inclusive of all materials & labours involved except scaffolding). | | | | |
| | Details of cost for 45 sqm. | | | | |
| | Detail for coverage area 45 sqm | | | | |
| 7768 | Water repellant chemical approved by ASI | litre | 1.00 | 1100.00 | 1100.00 |
| 7770 | Turpentine oil | litre | 12.00 | 50.00 | 600.00 |
| 131 | Painter | day | 1.00 | 391.00 | 391.00 |
| 114 | Beldar | day | 1.00 | 306.00 | 306.00 |
| 9999 | Handling / Transportation charges | L.S. | 6.00 | 2.12 | 12.72 |
| | TOTAL | | | | 2409.72 |
| | Add Water Charges @ 1% | | | | 24.10 |
| | TOTAL | | | | 2433.82 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 341.95 |
| | TOTAL | | | | 2775.77 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 416.37 |
| | Cost of 45 sqm | | | | 3192.13 |
| | Cost of 1 sqm | | | | 70.94 |
| | add 1% labour cess | | | | 0.71 |
| | Say | | | | 71.60 |

