**BILL OF QUANTITIES / SCHEDULE-B**

**NAME OF WORK:- RAISING /CONSTRUCTION OF WATCH TOWER & BOUNDARY WALL AT RRF**

**BASE AL-FALAH AND NAVAL COLONY BASE, KARACHI.**

**Naval Colony Base Karachi (Dawood Goth Side)**

**CONSTRUCTION OF COMPOUND WALL**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.NO: | DESCRITION OF TEMS | QUANTITY | RATE | UNIT | AMOUNT |
| 01 | Dismantling cement block masonary  (S.I.NO:14 P/10 ) | 367.00Cft:: | 1134/38 | %.Cft: | 4163/- |
| 02 | Dismantling Cement concrete reinforced separating reinfor cement from concrete cleaning and straightening the same.  (S.I. No.20/10) | 248.00Cft: | 5445/- | %Cft: | 13504/- |
| 03 | Dismantling Cement concrete plain 1:3:6 (S.I.NO: 19-b P/10 ) | 204.00Cft: | 1306/80 | %.Cft: | 2666/- |
| 04 | Dismantling Cement concrete plain 1:4:8 (S.I.NO: 19-a P/10 ) | 149.00Cft: | 1663/75 | %Cft: | 2479/- |
| 05 | Excavation in foundation of bldgs bridges and other structure i/c dag belling dressing refilling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5© in hard soil or soft murum.  (S.I.NO: 18-C P/04) | 8200..00Cft: | 3554/38 | %0Cft: | 29146/- |
| 06 | Stone pitching hand packed with surface levelled off to the correct section with hammer dressed stone and voids filled in 1:8 cement mortar in floor.  (S.I.NO: 24 P/32 ) | 788.00Cft: | 7708/47 | %Cft: | 60743/- |
| 07 | Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing at stone aggregate without shuttering  ( h) Ratio: 1:3:6 (S.I.NO: 5 -h P/16 ) | 788.00Cft | 12595/- | %Cft: | 99249/- |
| 08 | R.C.C. Work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately this rate also i/c all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and finishing the exposed surface i/c screening and washing of shingle R.C. work in roof slab, beams cols, rafts, lintels and other structural members laid in position complete in all respect ratio 1:2:4 (90 lbs) cement 2 cft. Sand 4 cft. Shingle 1/8” to ¼” gauge.(Ratio: 1:1:/2:3)(S.I. No.6-a/19) | 4900.00Cft: | 349/- | P.Cft: | 1710100/- |
| 09 | Fabrication of rinf: for C.C. i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/cs removal of rust from bars.  (S.I.NO: 5 -f P/16 ) | 210.91Cwt: | 5001/70 | P.Cwt: | 1054909/- |
| 10 | Providing & Laying 1:3:6 Cement Concrete Solid Block Masonry Wall below 6” in thickness set in 1:6 Cement Mortr in G.F. superstructure i/c raking out joints and curing etc. complete. (S.I.No.24/P-19) | 400.00Cft: | 15771/01 | %Cft: | 63084/- |
| 11 | Cement plaster (1:4)upto 12’ height ¾”thick. (S.I.No.11-C/P-52) | 700.00Sft: | 3015/76 | %Sft: | 21110/- |
| 12 | Filling watering ramming earth under floor with new earth ( Excavated from outside lead upto one chain and lift upto 5 feet (S.I.NO: 2 P/1)  (Extra lead of 20 Miles) | 4600.00Cft: | 1590/80 | %Cft: | 73177/- |
| 13 | Cement concrete brick or stone ballast 1-1/2 to 2” guag ratio 1:4:8  (S.I.NO: 4-B P/17) | 420.00Cft: | 9416/28 | %Cft: | 39548/- |
| 14 | Providing and laying 1”thick topping cement concrete 1:2:4 i/c surface finishing and dividing into panels. 3”thick .  (S.I.NO: 16 P/42 ) | 600.00Sft: | 4411/82 | %Sft: | 26471/- |
| 15 | Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick /sand Paper filling the voids with chalk plaster of Pairs and then painting with weather coat of approved make in three coats (S.I.No.38-a /P-56) | 3000.00Sft: | 2567/95 | %Sft: | 77039/- |
| 16 | Providing and placing in position chip Board ¾”thick for filling space between expansion joints of Building .  (S.I.NO: 93 P/109 ) | 30.00Sft: | 43/26 | P.Sft: | 1298/- |
| 17 | Providing and Fixing Aluminium sheet 6” to 9”with V-Notch for expansion joints i/c fixing with nails /Screws. (S.I.NO: 88 P/109 ) | 30.00Rft: | 207/51 | P.Rft: | 6225/- |
|  |  | Cost of 100 Rft: Rs: | | | 3295181/- |
|  |  | Cost of 1000 Rft: | | | 32851810/- |

**NON-SCHEDULE ITEMS .**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.NO: | DESCRITION OF TEMS | QUANTITY | RATE | UNIT | AMOUNT |
| 01 | Applying cemtec -31 R water reducing plasticizing and set retarding admixture for concrete (ASTM-C-494 ) TYPE bond transit mix concrete where ever delay in seting with better control of hydration provides strength increase 10% to 20% in al vibration vsing 0.3 to 0.4 litters for 100 Kg /Cf concrete depending on Job Each admixture should be added separately to the mixer. | 4900.0Cft |  | P.Cft: |  |
| 02 | Add:Extra cost of Steel Fair face shuttering with iron sheet & ply sheet i/c scaftolding etc complete in all respect. | 34539.00Sft |  | P.Sft: |  |
| 03 | Add:Extra cost of cement between sluphat resistance and ordinary Portland cement | 5280 Bag |  | P.Bag |  |
| 04 | P/S Special type heavy iron gate with 3”x3’x3/8”size angle iron & 12 guage G.I. sheet i/c 1” x1” latha on both sides i/c cost of errection of gates etc complete in all respect. | 384.0Sft: |  | P.Sft: |  |
| 05 | Supplying and laying ready mix concrete ratio 1:1:1/2:3. Having strength upto 4000 PSI ( After 28 Days ) in all kind of structural members upto required height. This rate also i/c all kind of cartage, material tool and plant, placing compacting finishing curing etc complete. | 49000.0Cft: |  | P.Cft: |  |
|  |  | TOTAL RS:- | | |  |

**(CONSTRUCTION OF WATCH TOWER )**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.NO: | DESCRITION OF TEMS | QUANTITY | RATE | UNIT | AMOUNT |
| 01 | Excavation in foundation of bldgs bridges and other structure i/c dag belling dressing refilling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5© in hard soil or soft murum.  (S.I.NO: 18-c (P/04 ) | 3168.00Cft: | 3554/38 | %0Cft: | 11260/- |
| 02 | Stone pitching hand packed with surface levelled off to the correct section with hammer dressed stone and voids filled in 1:8 cement mortar in floor.  (S.I.NO: 24 P/32 ) | 1058.00Cft: | 7708/47 | %Cft: | 81556/- |
| 03 | Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing at stone aggregate without shuttering  Ratio: 1:3:6 (S.I.NO: 5 -h P/16 ) | 265.00Cft: | 12595/- | %Cft: | 33314/- |
| 04 | R.C.C. Work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately this rate also i/c all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and finishing the exposed surface i/c screening and washing of shingle R.C. work in roof slab, beams cols, rafts, lintels and other structural members laid in position complete in all respect ratio 1:1:1/2:3 (90 lbs) cement 2 cft. Sand 4 cft. Shingle 1/8” to ¼” gauge.  (S.I. No.6-a/19) | 4260.00Cft | 349/- | P.Cft: | 1486740/- |
| 05 | Fabrication of rinf: for C.C. i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/cs removal of rust from bars.  (S.I.NO: 5 -f P/16 ) | 299.29 Cwt: | 5001/70 | P.Cwt: | 1496959/- |
| 06 | Cement plaster (1:4) ¾”thick upto 12’height (S.I.NO: 11-c P/52) | 4699.00Sft: | 3015/76 | %Sft: | 141711/- |
| 07 | Providing and laying 1”thick topping cement concrete 1:2:4 i/c surface finishing and dividing into panels. 2”thick (S.I.NO: 16-d P/42 ) | 1427.00Sft: | 3275/50 | %Sft: | 46713/- |
| 08 | Laying floor of approved with glazed tile ¼”thick in white cement 1:2 over ¾”thick cement mortar 1:2 complete.  (S.I.No.24/P-43) | 26.00Sft: | 27678/86 | %Sft: | 7197/- |
| 09 | White glazed tiles ¼”thkick dado jointed in white cement and laid over 1:2 cement sand mortar ¾”thick i/c finishing (S.I.No.37/P-45) | 82.00Sft: | 28253/61 | %Sft: | 23168/- |
| 10 | S/F in position Aluminum channels channels framing for slidding windows and vendti lators of Alcop made with 5 mm thick tinted glass glazing ( Belgium ) & Aluminum fly screen i/c handles stoppers & locking arrangement etc: complete  ( Deluxe model ( Bronze).  ( S.I.No.84-/b /P-108) | 96.00Sft: | 1647/69 | P.Sft: | 158178/- |
| 11 | Providing and fixing iron steel grill using solid square bars of size ½”x1/2” placed at 4” i/c and frame of flat iron patti of ¾”x3/4” i/c circle shape at 1-0 aprt equivalent fitted with screws are pins i/c painting 3 coats with Ist: coat of red oxide paint etc :(S.I.NO:30 P/ 94 ) | 96.00Sft: | 194/16 | P.Sft: | 18639/- |
| 12 | M/F Steel grated door with 1/16”thick sheeting i/c angle iron frame 2”x2” 3/8” square bars 4” centre to centre with locking arrangment.( S.I.NO: 24 P/92 ) | 70.00Sft: | 726/72 | P.Sft: | 50870/- |
| 12-a | Add: Extra labour for R.C.C. in 2nd and subsequent storeys. .(S.I.NO: 6-d P/17 ) | 926.00Sft: | 12/10 | P.Cft: | 11205/- |
| 12-b | Add: Extra labour for R.C.C. in 2nd and subsequent storeys. .(S.I.NO: 6-d P/17 ) | 1481.00Sft: | 24/20 | P.Cft: | 35840/- |
| 13 | Distempering in 3 coats .  (S.I.NO: 24-c P/54 ) | 2636 Sft | 1079/65 | % Sft | 28460/- |
| 14 | Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make. (S.I.No.36+a+b+b/P-56) | 2287.00Sft: | 2567/95 | %Sft | 58729/- |
|  |  | Cost of 01 Watch Tower Rs: | | | 3690539/- |

**ABSTRACT**

**COST OF SCHEDULE ITEMS**

**COMPOUND WALL RS.32,851,810/-.**

**WATCH TOWER RS.3,690,539/-**

**TOTAL RS.** **36,542,349/-**

**ADD:/DED: ………………% ABOVE / BELOW ON S.ITEMS RS…………………..**

**COST OF NON SCHEDULE ITEMS / OFFER RATE RS…………………..**

**TOTAL RS…………………..**

**SIGNATURE OF BIDDER WITH STAMP SUPERINTENDING ENGINEER**

**POLICE WORKS, SINDH**

**KARACHI**