

GOVERNMENT OF SINDH

SINDH GOVERNMENT
PMC HOSPITAL NAWABSHAH
M & R WORKS AT SURGICAL ICU BUILDING

BILL OF QUANTITIES

| ESTIMATED COST RS. | | |
|--------------------|--|---|
| | | M |



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PMC HOSPITAL NAWABSHAH
M & R WORKS AT SURGICAL ICU BUILDING

SUMMARY OF COST

| S.No | ITEMS OF WORKS | AMOUNT |
|------|--|-----------|
| 1 | Composite Schedule Rate 2012 CIVIL WORK | 2,574,370 |
| 2 | Premium _____ % Above or Below On Schedule Items | |
| | TOTAL OF SCHEDULE ITEMS | |
| 3 | NON SCHEDULE ITEMS CIVIL WORK | |
| | TOTAL OF NON-SCHEDULE ITEMS | |
| | A = TOTAL AMOUNT CIVIL WORK | |
| 1 | Composite Schedule Rate 2012 PLUMBING WORK | 113,695 |
| 2 | Premium _____ % Above or Below On Schedule Items | |
| 3 | NON SCHEDULE ITEMS PLUMBING WORK | |
| | B = TOTAL AMOUNT PLUMBING WORK | |
| 1 | Composite Schedule Rate 2012 Electrical WORK | 150,130 |
| 2 | Premium _____ % Above or Below On Schedule Items | |
| 3 | NON SCHEDULE ITEMS Electrical WORK | |
| | C = TOTAL AMOUNT PLUMBING WORK | |
| | TOTAL AMOUNT A+B+C | |



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ABSTRACT OF COST**

| S.No | Description | Unit | Qty | Rate | Amount |
|------|--|------|----------|-----------|-----------|
| | CIVIL WORK SCHEDULE ITEMS | | | | |
| 1 | Dismantling glazed or encaustic tiles etc (S.No 55 / Pg # 13). | %Sft | 2,476.00 | 786.5 | 19,473.74 |
| 2 | Dismantling cement concrete plain 1:4:8 (S.No 19 a / Pg # 10). | %Cft | 2,476.00 | 1663.75 | 41,194.45 |
| 3 | Dismantling cement concrete plain 1:2:4 (S.No 19 c / Pg # 10). | %Cft | 2,476.00 | 3327.5 | 82,388.90 |
| 4 | Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering. Ratio 1:4:8 (S.No 98 / Pg 112). | %Cft | 807.84 | 11,288.75 | 91,195 |
| 5 | Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering 1:2:4 (SL.5/16) | %CFT | 403.92 | 14,429.25 | 58,283 |
| 6 | Preparing the surface and painting with Matt finish l/c rubbing the surface with Bathy (Silicon carbide rubbing brick) filling the voids with zinc / chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc complete. | | | | |
| | 2nd & Subsequent coat (S.No 36a,b / Pg # 55). | Sft | 6,800.00 | 34.44 | 234,192 |
| 7 | Distempering c) Three Coats (S.No 24 c / Pg # 54). | %Sft | 5,734.00 | 2725.8 | 156,297 |



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| S.No | Description | Unit | Qty | Rate | Amount |
|------|--|-------|--------|---------|------------|
| | CIVIL WORK SCHEDULE ITEMS | | | | |
| 8 | Providing and fixing in position door and windows and ventilators for first class deodar wood frames 1 1/2" thick and teak wood ply shutters of first class deodar wood skeleton (Solid) stiled and ply wood stiled and rails core of partial wood and teak ply wood (3 Ply) on both sides including hold fast hinges al-drops Iron Tower Bolts handles Cleats with cord etc. Complete. (S.No 51 / Pg # 64). | P.Sft | 424.00 | 1245.96 | 528,287.04 |
| 9 | (d) Preparing surface and painting guard bars, gate of iron bars, gratings, railing including standard braces, etc) And similar open work. (Sl.5/56) | | | | |
| | Priming coat | %SFT | 352.00 | 521.95 | 1,837 |
| | Each subsequent coat of paint. | %SFT | 352.00 | 688.88 | 2,425 |
| 10 | Galvanized wire gauge 144 mesh per square inch of 22 S.W.G fixed to chowkats without deodar patti (S.No 62 / Pg - 66). | P.Sft | 640.00 | 104.15 | 66,656.00 |
| 11 | Painting New Surfaces: c) Preparing surface and painting of doors and windows any type (including edges). | | | | |
| | (i) Priming Coat | %SFT | 944.00 | 862.95 | 8,146.25 |
| | (ii) Each subsequent coat of paint | %SFT | 944.00 | 626.73 | 5,916.33 |
| 12 | Providing & fixing iron steel grill using solid square bars of size 1 1/2" x 1 1/2" placed at 4" I/c and frame of flat iron patti of 3/4" x 3/4" I/c circle shape at 1'-0" apart equivalent fitted with screws are pins I/c painting 3 coats with 1st coat of red oxide paint etc (S.No 30 / Pg # 94). | P.SFT | 700.00 | 194.16 | 135,912.00 |



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|------|--|------|----------|----------|------------|
| | CIVIL WORK SCHEDULE ITEMS | | | | |
| 13 | Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and pattern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (S.No 60 / Pg # 47). | %SFT | 812.50 | 30509.77 | 247,891.88 |
| 14 | Cement plaster 1:4 upto 12' height. (c) 3/8" (12mm) (SL.11C/52) | %SFT | 4,768.00 | 2,197.52 | 104,778 |
| 15 | Removing cement or lime plaster (S.No 53 / Pg - 13). | %SFT | 4,768.00 | 121 | 5,769.28 |
| 16 | Providing and fixing approved quality mortice lock (S.No 21 / Pg - 60). | No | 40.00 | 1786.13 | 71,445.20 |
| 17 | Supplying & fixing imposition Aluminium channels framing for hinged doors or Alcop made with 5 mm thick tinted glass glazing (Belgium) and Alpha (Japan) locks l/c handles, stoppers etc. | SFT | 221.00 | 1507.66 | 333,192.86 |
| | (Vol-II, Part-II, Chap-18, Pg-107, Sr. 83b) | | | | |
| 18 | Providing and Laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor super structure including raking out joints & curing etc (S.No 24 / Pg - 19). | %Cft | 120.00 | 15771.01 | 18,925.21 |
| 19 | Providing & fixing deodar Almirah 9" - 12" depth including boxing with back shelves, shutters brass fittings complete. (S.No 23 / Pg - 61). | SFT | 100.00 | 1778.5 | 177,850.00 |



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|------|--|------|----------------|--------|------------------|
| | CIVIL WORK SCHEDULE ITEMS | | | | |
| 20 | Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels: (Sl.16/42) (c) 2" thick (SCREEDING for ROOF) | %SFT | 5,566.00 | 3275.5 | 182,314.33 |
| | | | G.Total | | 2,574,370 |



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|--------------------------------------|---|------|----------|------|--------|
| CIVIL WORK NON SCHEDULE ITEMS | | | | | |
| 1 | Providing and laying fancy type Porcelain floor and dado tiles 24" x 24" & 1/4" thick as approved size specified approved quality / make / design and colour including laying with bond solution sand mortar including jointing in white cement including washing of tiles and filling of joints with slurry of white cement in desired shape with finishing including cutting of tiles to proper profile i/c. all respect labour and necessary required material as directed by the Engineer Incharge etc. complete. | SFT | 3,426.00 | | |
| 2 | Providing & fixing false ceiling of thermopole in panels of required design and size including frame work of Aluminum T- section hanged with nail wire to ceiling etc: completed. | SFT | 3,333.00 | | |
| 3 | Repairing of cracks on existing building masonry walls or RCC beams where clear cover has eroded, cutting the surface in V shape, removing rust, apply Zinc rich, bind steel, metal lath with nails and cement plaster 1:3 up to 40' height, level the surface with existing plaster, including folding complete with all respect | SFT | 1,110.00 | | |
| 4 | Repair and treatment for slab eroded as directed by the engineer incharge. | SFT | 575.00 | | |
| 5 | Providing & fixing Anti-Bacterial Fiber Sheets of approved design, colour and make of best quality with Biocote, Silver ion technology in walls as directed by the Engineer Incharge. | SFT | 861.00 | | |
| 6 | Providing & fixing GI frames and water resistant gypsum board to level walls creating 90 degree angles and smooth finish as directed by the Engineer Incharge. | SFT | 861.00 | | |
| 7 | Providing & fixing Conductive Antimicrobial PVC floor covering with copper mesh pasted on subfloor and properly grounded after Self levelling. | SFT | 1,260.00 | | |
| TOTAL AMOUNT | | | | | |



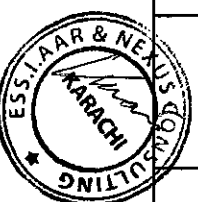
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ABSTRACT OF COST**

| S.No | Description | Unit | Qty | Rate | Amount |
|-------------------------------------|--|----------|------------------|-----------------|-----------------|
| PLUMBING WORK SCHEDULE ITEMS | | | | | |
| 1 | Providing , Laying uPVC pressure Pipes of Class 'D' fixing in trench i/c cutting fitting and jointing with Z joint with one rubber ring i/c testing with water to a head 122 meter or 400 ft.(SI,PH-53/23) UPVC pipe 25mm dia UPVC pipe 38mm dia | mm mm | 100.00 100.00 | 91.87 144.36 | 9,187 14,436 |
| 2 | Providing R C C Manhole Cover & Frame i/c Cost of Material etc. (SI,PH-J135) | Cwt | 6.00 | 6,985.00 | 41,910 |
| 3 | Supplying & fixing C.P Muslim Shower with crystal head etc.complete. (Vol-III, Part-V-B, Chap-6, Pg-18, Sr. 19b) | Each | 10.00 | 3,432.00 | 34,320 |
| 4 | SI/Fixing long bib- cock of crystal head with 1/2" dia. (Vol-III, Part-V-B, Chap-6, Pg-18, Sr. 13b) | Each | 10.00 | 1,384.24 | 13,842 |
| | | | | | 113,695 |



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| S.No | Description | Unit | Qty | Rate | Amount |
|------|--|------|-------|------|--------|
| 1 | Gate Valve 38mm dia | No. | 2.00 | | |
| 2 | Providing and fixing indian type WC imported set couple set as approved quality make and design including with matching colour with existing tiles colour including three gallon flushing tank with p Trap and waste pipe including finishing curing etc. complete. | Each | 5.00 | | |
| 3 | Providing and fixing English commode imported set couple set as approved quality make and design including with matching colour with existing tiles colour including three gallon flushing tank with p Trap and waste pipe including finishing curing etc. complete. | Each | 2.00 | | |
| 4 | P/F wash basin approved quality etc. complete in all respect. (Imported). | Each | 12.00 | | |
| 5 | S/F Muslim Shower with double bib cock approved quality etc. complete. (Imported make) | Each | 8.00 | | |
| 6 | S/F CP brass concealed T-stop cock of superior quality with crystal head 1/2" dia (Master make) | Each | 6.00 | | |
| 7 | P/F floor trap jali 6"x6" size double sheeted as approved colour, make & design matching with Existing Ties & fixing with fine finishing and proper slope etc.complete. | Each | 6.00 | | |



| | | | | | |
|--------------|--|------|-------|--|--|
| | | | | | |
| 8 | S/F Wash Basin Mixture of superior quality with CP head 3/4" dia (Imported make) | Each | 6.00 | | |
| 9 | Providing and fixing uPVC pipe including cutting making and jointing with switch pest with special approved quality including all cost of labour as directed by the Engineer Incharge etc. complete. | | | | |
| | uPVC Pipe 4" dia | Rft | 20.00 | | |
| | uPVC Pipe 3" dia | Rft | 20.00 | | |
| | uPVC Pipe 3/4" dia | Rft | 20.00 | | |
| | uPVC Pipe 1/2" dia | Rft | 40.00 | | |
| 10 | Providing and fixing uPVC pipe fitting imported quality including all cost of labour as directed by the Engineer Incharge etc. complete. | | | | |
| | 4" dia plug tee | Each | 10.00 | | |
| | 4" dia plain bend | Each | 10.00 | | |
| | 4" dia cowl | Each | 10.00 | | |
| | 4" dia y-tee | Each | 10.00 | | |
| | 3" dia plug tee | Each | 10.00 | | |
| TOTAL AMOUNT | | | | | |



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| S.No | Description | Unit | Qty | Rate | Amount |
|---------------------------------|---|-------|--------|----------|----------------|
| ELECTRIFICATION SCHEDULE | | | | | |
| 1 | Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required. (S.I.No. 124, Page No. 15). | P. pt | 15.00 | 1,130.00 | 16,950 |
| 2 | Wiring for plug point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required. (S.I.No126, Page No. 15). | P. pt | 15.00 | 985.00 | 14,775 |
| 3 | Wiring for call bell point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required. (S.I.No. 128, Page No. 15). | P. pt | 5.00 | 1,764.00 | 8,820 |
| 4 | Providing and laying (Main or sub Main)PVC insulated with size 3-7/.029 copper conductor in 3/4" dia PVC conduit on surface. (S.No 17 / Pg # 3). | rm | 100.00 | 235.00 | 23,500 |
| 5 | Providing and laying (Main or sub Main)PVC insulated with size 3-7/.036 copper conductor in 3/4" dia PVC conduit on surface. (S.No 18 / Pg # 3). | rm | 100.00 | 276.00 | 27,600 |
| 6 | Providing and laying (Main or sub Main)PVC insulated with size 3-7/.044 (6mm2) copper conductor in 1" dia PVC conduit on surface. (S.No 19 / Pg # 3). | rm | 100.00 | 422.00 | 42,200 |
| 7 | Providing & fixing Brass Ceiling fans 56" (good quality) E/C item no 235 | Each | 5.00 | 3185 | 15,925 |
| 8 | Providing & fixing Bakelite ceiling rose with two terminals. (S.I.No. 228, Page No. 33) | rm | 5.00 | 72.00 | 360 |
| | | | | | 150,130 |



**SINDH GOVERNMENT
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NON SCHEDULE**

| S.No | Description | Unit | Qty | Rate | Amount |
|-------------------------------------|---|------|-------|------|--------|
| ELECTRIFICATION NON SCHEDULE | | | | | |
| 1 | Providing and fixing switches or sockets as per following specification and requirements (5 Amp): a) one gange | No. | 10.00 | | |
| 2 | b) two gange | No. | 10.00 | | |
| 3 | c) four gange | No. | 10.00 | | |
| 4 | d) six gange | No. | 10.00 | | |
| 5 | e) two pin 5 AMP sockets for half point | No. | 10.00 | | |
| 6 | f) 5 pin plug socket for multiple use 10-15 amp | No. | 10.00 | | |
| 7 | g) 3 pin power plug socket 20 amp | No. | 10.00 | | |
| 8 | Providing and fixing bakelite holder (thread type) heavy and good quality with brass internal fittings complete with fixing accessories | No. | 15.00 | | |
| 9 | P/F Fan dinner fancy type pak/royal/millat/imported make with necessary connection. On sheet complete as required. | No. | 15.00 | | |
| 10 | P/F Exhaust Fan 10" to 12" sweep with wall clamp Metal Body/Plastic Body Pak/Royal/Millat/Imported i/c necessary electric connection etc, complete. | No. | 5.00 | | |
| 11 | P/F Earthing set with 1.5"x1.5' x.55' GI plate buried in the ground at depth of 12-ft: upto water level with salt and charcoal mixture etc i/c providing GI pipe and copper wire 8-SWG inspection chamber with MS cover plate. | job | 1.00 | | |
| 12 | Providing & fixing Energy Saver 24 Watts approved quality etc, complete (Phillips). | No. | 40.00 | | |
| 13 | Providing and fixing as per following specifications and requirements, powder coated box,door/ wall mountain with locking arrangement a) DP-50 AMP 6KA 01 No b) copper bus bars (50amp) 3no c) MCB (for room) (2-6 amp) 8no (2spare) d) MCB (15amp) (for RO/ washroom) e) MCB (10amp) (for water pump) | job | 1.00 | | |



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NON SCHEDULE**

| S No | Description | Unit | Qty | Rate | Amount |
|---------------------|--|------|--------|------|--------|
| 14 | Providing and fixing as per following specifications and requirements, powder coated box,door/ wall mountain with locking arrangement a) MCB (15amp) 01no b) MCB (10amp) 01no c) MCB (2-6 amp) 06 no (1 spare) d) Set of copper busbars 50 Amp 04 no.s | job | 1.00 | | |
| 15 | Providing and fixing sweet water pump motor set 1 hp monoblock/donkey pump complete with foundation pad and fixing asecories as per approval of Engineer Incharge | job | 2.00 | | |
| 16 | providing & fixing of fan hooks with all accessories | each | 25.00 | | |
| 17 | Providing and laying (Main or sub Main)PVC/PVC as per following specification. with 1-7/.044 copper conductor in 1-1/2" dia PVC conduit recessed in the wall or column as required. | rm | 180.00 | | |
| 18 | Providing and laying (Main or sub Main)PVC/pvc as per following specification. With 1-7/.064 copper conductor in 1-1/2" dia PVC conduit recessed in the wall or column as required. | rm | 180.00 | | |
| 19 | Providing and fixing of pvc pipe including specials 1" dia to be burried in the ground by excavation/cutting katcha floor and making surface good complete as required. | rm | 180.00 | | |
| TOTAL AMOUNT | | | | | |

