

| Sl. No. | DESCRIPTIONS | | Output | USAGE RATES IN RS | |
|------------|------------------------------|-------------------------------|---------------------|-------------------|------------------|
| | Machine | Activity | | Unit | Rate (in Rs.) |
| 77 | Generator 40KVA | Generation of Electric Energy | KVA | per hour | 369.57 |
| 78 | Generator 125KVA | Generation of Electric Energy | KVA | per hour | 786.96 |
| 79 | Pneumatic Sinking Plant | Pneumatic Sinking of wells | 1.5 to 2.0 cum/hour | per hour | 2339.13 |
| 80 | Truck 5.5cum per 10 tonnes | Material Transport | 4.5cum | Per Km. | 17.39 |
| | | | | per tonne.km | 1.74 |
| | | | | per hour | 484.35 |
| 81 | Road Marking machine | Road marking | 100sqm/hour | per hour | 52.17 |
| 82 | Mobile Slurry Seal Equipment | Mixing and laying slurry seal | 2700sqm/hour | per hour | 565.22 |
| 83 | Wagon drill | | | per hour | 111.30 |
| 84 | Dimond drill | | | per hour | 293.91 |
| 85 | Inwell rings | | | per hour | 62.61 |
| 86 | Jack hammer | | | per hour | 7.83 |
| 87 | Pneumatic rammer | | | per hour | 11.30 |
| 88 | Pusher leg | | | per hour | 4.35 |

Zahid

XXV. POST GST MISCELLANEOUS ITEMS

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|-------------------------|---|-------|---------------|
| 1 | 2 | 3 | 4 |
| (a) R.C.C. Works | | | |
| 1 | Making R.C.C. jally as per approved design 2.5 cm to 5.00 cm thick and fixing in cement mortar in position after cutting the grooves, etc. complete including cost of all materials. | 1Sq.M | 211.54 |
| 2 | Providing and fixing in position 50mm, thick precast cement concere jally (1:2:4) hard granite chips including roughening, cleaning, fixing and finishing in cement mortar (1:3) etc., complete | 1Sq.M | 317.31 |
| 3 | 5 c.m. thick R.C.C. shelves (1:2:4) with hard granite chips 12mm size fitted and fixed in position finished smooth complete with all materials. | 1Sq.M | 201.92 |
| 4 | R.C.C. boundary stones (1:2:4) with washed shingles or hard stone chips 10cm × 10cm and 1.2M high fitted and fixed complete | Each | 52.88 |
| 5 | R.C.C. post (1:2:4) using 12mm size hard granite chips using 75Kgs of steel reinforcement per Cu.M. including cost of all materials and labour fitting and fixing in position etc. | Cum | 4480.77 |
| 6 | Supplying and fixing 15cm dia and 1.00 M. long guard posts of cement concrete (1:2:4) with hard granite chips including cost of all reinforcement. | Each | 67.79 |
| 7 | Labour for fixing 15 cm dia and 1 m long R.C.C. guard posts in position 45cm below ground level. | Each | 1.92 |
| 8 | Providing and fixing pre-cast R.C.C. (1:2:4) kilometre stone as per I.R.C. design including finished smooth. | | 0.00 |
| (a) | 110cm long ordinary Km. Stone for N.H., S.H. and M.D.R. | Each | 298.08 |
| (b) | 150cm long ordinary 5 Km. Stone for N.H., S.H. and M.D.R. | Each | 423.65 |
| (c) | 95cm long ordinary Km. Stone for N.H., S.H. and village roads. | Each | 221.15 |
| 9 | 8 cm thick R.C.C. fins walls (1:2:4) with black hard granite chips 12nm size using 3.0 kg to 3.50 Kg of steel reinforcement per Sq.M. including shuttering, finishing complete | 1sqm. | 312.98 |
| 10 | R.C.C. railing (1:2:4), 8 cm thick 90cm high with hard granite chips 6mm to 20mm size complete as per approved design. | R.M | 327.12 |

[Signature]

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|-----------------------------|--|-------|---------------|
| 1 | 2 | 3 | 4 |
| 11 | L.R.C. standard R.C.C. railing (1:2:4) using black hard granite chips 12mm size including cost of centering and shuttering and cost and conveyance of all materials and labour etc. complete. | R.M | 557.69 |
| 12 | Boxing with cement concrete (1:3:6) with wire netting and washed pit singles or hard stone chips including cement plaster 6mm, thick finished smooth complete. | 1 Cum | 1346.15 |
| 13 | Filling bitumen and cement and jute fibre in expansion joints inclusive of cost of materials, bitumen and cement proportion (3:1) including cleaning before pouring 12mm to 25mm and 15cm depth. | 1 RM | 9.90 |
| 14 | Ditto extra for each additional 2.5cm depth over the depth of 15cm | 1 RM | 2.02 |
| 15 | Inserting premoulded expansion joint including cleaning (labour only) | 1 RM | 1.15 |
| (b) Doors and Window | | | 0.00 |
| 1 | Labour of replacing glass- panes including cutting to size with cost of nails and putty. | 1 Sqm | 50.00 |
| 2 | Cleaning glass-panes with spirit including cost of spirit | 1 Sqm | 3.94 |
| 3 | Frosting glass-panes including cost of all labour and materials | 1 Sqm | 14.62 |
| 4 | Fitting and fixing glass louvers in position in wooden, steel window frames including cutting grooves. | 1 Sqm | 67.31 |
| 5 | Renewing putty in fixing glass-panes | 1 Sqm | 38.56 |
| 6 | Fixing old glass panes with wooden heading including cost of nails and beadings | 1 Sqm | 43.94 |
| 7 | Providing, fitting and fixing with sal wood battens, 7.5cm x 1.2cm with 6mm mesh wire netting, or expanded metal including panting complete | 1 Sqm | 298.08 |
| 8 | Fixing wire netting or welded mesh including screw and nails (Labour only) | 1 Sqm | 40.58 |
| 9 | Providing, fitting and fixing 25mm thick sal wood batten, jaffry, door shutters fitted and fixed in position including cost of iron fitting and hinged cleats etc. complete. | 1 Sqm | 293.27 |
| 10 | Labour for taking out wooden/steel door frame and refixing the same after necessary repair including making good damages to walls. | Each | 53.65 |
| 11 | Labour for taking out wooden/steel window and refixing the same after necessary repairs including making good damages to walls. | Each | 41.44 |

Jahar

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------|--|-------|---------------|
| 1 | 2 | 3 | 4 |
| 12 | Taking out the door or window shutters and refixing them including screws as may be required. | | |
| | (a) Doors | Each | 51.63 |
| | (b) Windows | Each | 31.44 |
| 13 | Labour for fitting and fixing departmental shutters excluding cost of fixing and fitting Chaukath but including mending size of grooves in chaukaths and size of shutters, etc. complete | Sqm | 22.31 |
| 14 | (a) Supplying and fixing W.L. clamps 33cm to 38Cm long of 35mm × 5mm size for doors and windows and ventilators including fixing in cement concrete (1:3:6) with 12mm, to 20mm hard stone chips or in cement mortar (1:3) including cost of all materials. | Each | 19.71 |
| | (b) Supplying and fixing W.L. clamps 25cm to 30cm long of 35mm × 5mm size for doors and windows and ventilators including fixing in cement concrete (1:3:6) with 12mm to 20mm hard stone chips or in cement mortar (1:3) including cost of all materials. | Each | 10.77 |
| 15 | Labour for fixing tower bolts 15cm to 23cm long including supply of screw. | Each | 3.94 |
| 16 | Labour for fixing tower bolts 25cm to 30cm long including supply of screws. | Each | 5.48 |
| 17 | Labor for fixing iron bolts of different sizes, iron chains, iron rings or brass rings to doors and windows. | Each | 2.02 |
| 18 | Supplying and fixing wooden blocks to walls | Each | 1.44 |
| 19 | Supplying and fixing Sal wood, sand blocks 13cm × 10cm × 7 cm to choukaths including cost of screws. | Each | 2.21 |
| 20 | Supplying and fixing hinged cleats 8 cm to 10cm long and 4cm thick including cost of screws | Each | 4.23 |
| 21 | Labour for fixing catch hooks of different size to doors and windows. | Each | 2.12 |
| 22 | Easing, oiling and petty repairs windows | Each | 4.13 |
| 23 | Replacing the wooden lintels of doors and windows with new precast R.C.C. lintels including making good to the damage (Labour only) | Each | 50.00 |
| 24 | Labour for making chaukaths and burgas from old wood works | 1 Cum | 913.46 |
| 25 | Supplying, fitting and fixing Sal wood gate as per approved designed including painting, etc. complete in all respect | 1sqm. | 274.04 |
| 26 | Cutting grooves in laterite stone masonry for fixing choukaths of doors and windows. | Each | 3.27 |

Fabre

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------|--|-------|---------------|
| 1 | 2 | 3 | 4 |
| 27 | Making cement concrete (1:2:4) door sills | 1 RM | 9.81 |
| 28 | Providing and fixing in position 20mm thick (solid core type) sita board or equivalent approved quality flush shutter double leaf (treated with liquid phenolformaldehyde synthetic resin) with and including door dropper, cleats, both side commercial shutter and superior hinges, etc. complete. | 1 Sqm | 644.23 |
| 29 | Providing and fixing in position 30mm thick Ditto one side decorative shutter Ditto. | 1 Sqm | 769.23 |
| 30 | Providing and fixing in position 30mm thick Ditto both side decorative shutter Ditto. | 1 Sqm | 986.06 |
| 31 | Providing and fixing in position 25mm thick Ditto both side decorative shutter Ditto. | 1 Sqm | 568.08 |
| 32 | Providing and fixing in position 25mm thick Ditto one side and one side commercial shutter Ditto. | 1 Sqm | 721.44 |
| 33 | Providing and fixing in position 25mm thick Ditto both side decorative shutter Ditto | 1 Sqm | 836.92 |
| 34 | Labour only for fixing in position flush shutters fixtures of any thickness and any quality. | 1 Sqm | 43.65 |
| 35 | Add extra for vision panels in square shape | | 0.00 |
| | (a) Both side commercial of any thickness | Each | 63.08 |
| | (b) One side or both side decorative of any thickness | Each | 76.73 |
| 36 | Deduct for single leaf shutters as rebate cutting is not required (for flush shutters) | Sqm | 24.13 |
| 37 | Add extra for Teak wood leaping (Double leaf) | | |
| | (a) Commercial 25mm thick | Sqm | 161.92 |
| | (b) Commercial 30mm thick | Sqm | 161.92 |
| 38 | Add extra for teak wood leaping double leaf decorative (one side or both side) | | |
| | (a) 25mm thick | Sqm | 101.15 |
| | (b) 30mm thick | Sqm | 106.44 |
| 39 | Add extra for Teak leaping with commercial wood for single leaf shutters on both the sides. | | |
| | (a) 25mm thick | Sqm | 100.77 |
| | (b) 30mm thick | Sqm | 111.35 |
| 40 | Add extra for Teak leaping decorative for single leaf shutters, one side or both the sides | Sqm | |
| | (a) 25mm thick | Sqm | 68.08 |
| | (b) 30mm thick | Sqm | 53.56 |

[Signature]

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------|--|----------|---------------|
| 1 | 2 | 3 | 4 |
| 41 | Supplying R.C.C. door/window frames of cross section 100mm × 60mm of M-250 concrete using OPC 43 Grade cement and steel reinforcement of 5.5 mm to 6.0 mm dia M.S. Rod with provision of hinges, locks, W.I. clamps, etc. (Ex-factory) | 1 RM | 153.85 |
| 42 | Fitting and fixing of R.C.C. door/window frames of sizes | | |
| | (a) Doors | Each | 86.63 |
| | (b) Windows – 1.80m × 1.35m. size | Each | 98.27 |
| | 1.50m × 1.35m. size | Each | 98.27 |
| | 1.20m × 1.35m. size | Each | 54.81 |
| | 0.90m × 1.35m. size | Each | 54.81 |
| 43 | Providing & fixing 25mm to 12mm Teak wood beading all round door and window and polished as required. | 1 RM | 22.31 |
| | (c) Roofing | | |
| 1 | Leak repair to terrace roof with cement and cow dung proportion 1:1 (by volume) | 100 sqm | 202.12 |
| 2 | Leak repair to terrace roof with cement and cow dung proportion 1:1 (by volume) lime or cement grouting to cracks. | 100 m | 221.15 |
| 3 | Leak repair to corrugated asbestos or G.I. sheet roofing with pitch and coaltar, putty and paint around the holes. | 100 nos. | 86.54 |
| 4 | G.I. sheet gutter upto 30cm wide including fixing with clamps and making connection with rain water pipes, etc. complete. | 1 RM | 72.12 |
| 5 | Taking out choked up rain water C.I. down pipe including refixing the same in position with cement. | Each | 24.52 |
| 6 | Labour for fitting and fixing 8 cm to 10 cm C.I down pipe. | 1 RM | 4.33 |
| 7 | Labour for fixing rain water down pipe with necessary bend shoes and heads etc. including cost of clamps and nails | 1 RM | 9.62 |
| 8 | 7.5cm dia earthen rain water spout 1.0M long | Each | 21.63 |
| 9 | Cleaning flues of chimneys | Each | 9.81 |
| 10 | Fixing ridges and valley in C.I. sheet roofing (Labour only) | 1 sqm | 9.71 |
| 11 | Lime mortar ridge over pan tiled roof | 1 RM | 15.00 |
| 12 | Labour for changing burgas irrespective of length and size including repairs to damages. | Each | 8.27 |
| 13 | Labour for laying local Raniganj tile roofing | 1 Sqm | 5.53 |
| 14 | Leak repairs to single Nuria tile roofing | 1 Sqm | 1.15 |

Jahabur

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|-----------------------|---|-----------|---------------|
| 1 | 2 | 3 | 4 |
| 15 | Leak repairs to double Nuria tile roofing | 1 sqm | 0.77 |
| 16 | Labour for fitting and fixing old roof timbers including cost of nails | 1 Cum | 552.88 |
| 17 | Labour for removal of old bamboo frame including stacking the useful materials for reuse. | 1 Sqm | 0.77 |
| 18 | Labour for fixing 'T' 'L' or 'U' hooks for repair works only. | Each | 1.44 |
| (d) Ceiling | | | |
| 1 | Hassain ceiling stretched on Sal wood frame and mountain battens including all materials, etc. complete | 1 Sqm | 34.33 |
| 2 | Hassain mat ceiling stretched on old frames including all materials etc. | 1 sqm | 19.23 |
| 3 | Bamboo ceiling with new Sal frame including all materials etc. complete | 1 sqm | 67.88 |
| 4 | Bamboo ceiling with old Sal frame including all materials etc. complete | 1 sqm | 14.62 |
| (e) Flooring | | | |
| 1 | Picking up old floor for resurfacing | 1 sqm | 3.37 |
| 2 | Polishing the floor surface with red oxide, bees wax and turpentine | 1 sqm | 11.73 |
| 3 | Rubbing old marble chips or marble tile flooring and dados skirting including wax polishing to give granolithic finish. | 1 sqm | 52.88 |
| (f) Iron works | | | |
| 1 | Labour for fitting and fixing flat iron wind ties including drilling holes and supplying bolts and nuts. | 1 qtl | 202.40 |
| 2 | Fabricated iron works (Labour only) | 1 qtl | 260.38 |
| 3 | Labour for fixing M.S. bed plates 12mm thick set in cement. | 1 sqm | 115.87 |
| 4 | Welding of rods to proper specification and strength including cutting and shaping the ends to receive the welding materials and cutting to proper sizes as required for the work complete. | | |
| | (a) 25mm dia M.S. Rods (b) 28mm dia M.S. Rods (c) 30mm dia M.S. Rods (d) 35mm dia M.S. Rods (e) 38mm dia M.S. Rods | Per joint | 72.50 |
| | | Per joint | 84.52 |
| | | Per joint | 86.73 |
| | | Per joint | 88.56 |
| | | Per joint | 89.94 |

Sahil

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------------------------|--|---------|---------------|
| 1 | 2 | 3 | 4 |
| 5 | Labour for fitting and fixing of M.S. window grills including cost of screws complete | 1 Sqm | 11.63 |
| 6 | Labour for fitting and fixing of M.S. Gates as per approved design including cost of all materials complete | 1 Sqm | 67.40 |
| 7 | Labour for fixing holding down bolts in cement mortar | Each | 2.98 |
| 8 | Labour for fixing fan hooks in existing R.C. ceiling | Each | 14.62 |
| (g) white washing | | | |
| 1 | White washing and refiguring kilometer stones or mile stones or boundary pillars | Each | 4.33 |
| 2 | White washing and refiguring furling posts or 100M post | Each | 2.12 |
| 3 | Chalk washing one coat to receive distempering | 1 sqm | 1.73 |
| 4 | Chalk washing two coats to receive distempering | 1 sqm | 1.92 |
| 5 | Labour for rubbing out heavy moss from shift walls exposed to weather | 100 sqm | 10.48 |
| 6 | Washing the plastered surface with soap and soda water | 100 sqm | 19.71 |
| (h) Painting | | | |
| 1 | Painting figures and letters of various size upto 120mm | Each | 1.15 |
| 2 | Painting figures and letters above 120 mm size | 1 RM | 1.15 |
| 3 | Engraving letters of various sizes from 5cm to 10cm including painting, etc. Complete | 1 RM | 2.12 |
| 4 | Painting and writing road signs of all kinds as per I.R.C. standard including painting boards. | 1 RM | 6.44 |
| 5 | Marking and painting lines or arrows | 1 RM | 1.73 |
| 6 | Wall painting with any approved paint 1 coat (Labour only) | 1 sqm | 3.75 |
| 7 | Wall painting with any approved paint 2 coats (Labour only) | 1 sqm | 4.62 |
| 8 | Scraping old paint with scrapers, sand papering andwashing with soap water or soda including scaffolding charges upto 5M height | 1 sqm | 3.37 |
| 9 | Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges above 5M high and upto 8M height | 1 sqm | 4.62 |

Tahila

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------|---|---------|---------------|
| 1 | 2 | 3 | 4 |
| 10 | Washing and cleaning plastic paint/cement paint/distempered walls including cost of painting sponge | 100 sqm | 19.62 |
| | (i) Pile Driving | | 0.00 |
| 1 | Labour for driving sal bullah piles and fixing in position 12cm to 15cm, dia upto 1.50M depth including sharpening the end. | 1 m | 11.73 |
| 2 | Ditto- Ditto-beyond 1.50m depth - Do - Do | 1 m | 19.71 |
| 3 | Ditto-Ditto above 15 Cm and upto 20cm dia upto 1.50M depth | 1 m | 20.96 |
| 4 | Ditto- Ditto-beyond 1.50M depth - Do - Do | 1 m | 24.62 |
| 5 | Ditto-Ditto above 20 Cm and upto 20cm dia upto 1.50M depth | 1 m | 27.60 |
| 6 | Ditto- Ditto-beyond 1.50M depth - Do - Do | 1 m | 30.48 |
| 7 | Ditto-Ditto above 25 Cm and upto 20cm dia upto 1.50M depth | 1 m | 31.54 |
| 8 | Bamboo jafree on top of piles | 100 Sqm | 1230.77 |
| 9 | Split bamboo jafree closely woven including bamboo posts 7.5cm to 10 Cm dia 1.8 M apart. | 100 Sqm | 980.77 |
| 10 | Bamboo piling 1.50M long 30cm apart to be driven to a depth of 90Cm with 60Cm jafree on top. | 1 RM | 24.81 |
| 11 | Bamboo piling 2.00M long 30cm apart to be driven to a depth of 1.0M with 90Cm jafree on top. | 1 RM | 30.29 |
| 12 | Bamboo piling 3.7M long 30cm apart to be driven to a depth of 2M with 1.50M jafree on top. | 1 RM | 73.75 |
| 13 | Half bullah tying pieces fitted and fixed with nails (labour only) | 1 RM | 5.96 |
| 14 | For driving piles in water add extra to the respective rate of pile driving item. | 1 RM | 1.73 |
| | (j) String course and cornice | | |
| 1 | 6 cm to 8cm projection plinth moulding with brick in cement mortar (1:3) 6 cm to 8 cm depth including cement plaster 1:4 complete | 1 RM | 14.71 |
| 2 | 9 cm projection 6 cm deep cornice with brick in cement mortar (1:3) and cement mortar (1:4) complete | 1 RM | 25.19 |
| 3 | 15cm projection and 15cm deep cornice with brick in cement (1:3) including drip course and cement plaster (1:4) complete. | 1 RM | 34.42 |

Zahoor

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|------------------|--|------|---------------|
| 1 | 2 | 3 | 4 |
| 4 | 23cm projection and 23cm deep cornice with brick in cement mortar (1:3) including drip course and cement plaster (1:4) including plaster (1:4) complete. | 1 RM | 57.88 |
| 5 | 25 Cm deep brick coping on compound wall including cement plaster (1:4) complete for 35cm to 38cm thick walls including plastering (1:4) complete | 1 RM | 43.65 |
| 6 | 15 Cm deep brick coping 23cm to 25cm thick walls including plastering (1:4) complete. | 1 RM | 30.38 |
| 7 | 15 cm deep brick coping for 11cm to 12cm thick walls | 1 RM | 24.81 |
| 8 | 7.5cm deep brick coping on compound wall of 23cm to 25cm thick including cement plaster (1:4) complete. | 1 RM | 24.62 |
| 9 | Providing 8 cm deep cement concrete (1:5:10) on top of compound wall and plastering with cement plaster (1:4) complete. | 1 RM | 26.44 |
| 10 | 6 cm projection for 23cm to 25cm wall string course with brick in cement mortar (1:3) and cement plaster (1:4) complete | 1 RM | 12.02 |
| 11 | Brick moulding including plastering with cement mortar (1:4) 12cm deep and 11cm projection | 1 RM | 22.60 |
| (k) Drain | | | |
| 1 | 15cm. × 15cm concrete drain with cement concrete (1:3:6) and cement plaster (1:3) including punning over hard base. | 1 RM | 69.62 |
| 2 | 10cm. × 15cm concrete drain with cement concrete (1:3:6) and cement plaster (1:3) including punning over hard base. | 1 RM | 47.88 |
| 3 | 25cm. × 23cm concrete drain with cement concrete (1:3:6) and cement plaster (1:3) finished smooth with 10cm thick concrete over hard base. | 1 RM | 105.96 |
| 4 | Shallow brick drain in courtyard 6cm deep with cement plaster (1:3) finished smooth. | 1 RM | 33.85 |
| 5 | 23cm to 30cm drain with cement concrete (1:2:4) finished smooth | 1 RM | 11.35 |
| 6 | 10cm × 15cm drains finished smooth | 1 RM | 7.21 |
| 7 | 15cm thick cement concrete (1:3:6) drain 75cm wide and 30cm depth including 12MM cement plastering (1:3) finished smooth. | 1 RM | 365.58 |
| 8 | Ditto 60cm wide and 30cm depth | 1 RM | 274.04 |
| 9 | Ditto 30cm wide and 30cm depth | 1 RM | 139.42 |

[Signature]

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------|--|-------------------------|---------------|
| 1 | 2 | 3 | 4 |
| 10 | Waste water outlet in cement including cost of gratings | Each | 16.83 |
| 11 | Waste water outlet in cement without gratings | Each | 8.56 |
| | (I) Fencing | | |
| 1 | Labour for fitting and fixing woven wire fencing with top line of barbed wire to the posts by means of staples and straining hooks. | 100 m | 62.21 |
| 2 | 1.50M high bamboo fencing with muli bamboo posts and strong bamboo frame work including all materials complete. | 100 m | 865.48 |
| 3 | Green fencing 1.25M height with thomy bushes and split bamboo. | 100 m | 298.56 |
| 4 | Supplying fitting and fixing R.C.C. (1:2:4) fencing posts with chips 1.68M long 13cm × 13cm at bottom and 8cm × 8 cm at top and 30cm × 30cm × 8 cm base finished smooth | Each | 144.23 |
| 5 | Labour for fixing barbed wire fencing and post by means of staples and straining hooks by means of tying with G.I. wire and including cost of staples, hooks and tying wires | Each line Each metre | 0.48 |
| | (m) Bridge work and other Hydraulic structure | | |
| | Well Sinking : | | |
| 1 | Labour for sinking wells in all kinds of soil other than rock, to lines, levels and plumb by scooping out from inside and below the staining including cost of necessary tools and plant supplying and working of pumps bailing out of water or dredging, removal of all materials and obstacles from inside the well by divers, hire and labour for cantilege jetting, if necessary and sinking to a depth of 10M taking precaution against shifting and tilting disposal of the spoil with all leads and lifts, etc complete | | |
| | (a) 3.00 M dia outside circular or octagonal single wall upto 10.00 M depth | 1 RM | 4930.77 |
| | (a1) 3.00 M dia every successive additional metre depth beyond 10.00M depth | Ditto | 53.85 |
| | (b) 3.25M dia outside circular or octagonal single wall, upto 10.00M add | Ditto | 6336.54 |
| | (b1) 3.25 M dia outside circular or octagonal single well for every successive additional metre depth beyond 10.00M depth add. | Ditto | 88.46 |
| | (c) 3.50M dia outside circular or octagonal single well upto 10.00M depth | Ditto | 7938.94 |
| | (c1) 3.50M dia for every successive additional metre depth beyond 10.00M add | 1 RM | 95.19 |

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------|--|-------|---------------|
| 1 | 2 | 3 | 4 |
| | (d) 4.00 M dia outside circular or octagonal single well upto 10.00M depth | Ditto | 9864.90 |
| | (d1) 4.00 M dia for every successive additional metre depth beyond 10. depth add | Ditto | 118.27 |
| | (e) 4.25 M dia outside circular or octagonal single well | Ditto | 11842.79 |
| | (e1) 4.25M dia for every successive additional meter depth beyond 10.00 M depth add. | Ditto | 141.83 |
| | (f) 4.50M dia outside circular or octagonal single well | Ditto | 12460.58 |
| | (f1) 4.5M dia for every successive additional metre depth beyond 10.00 M depth add. | Ditto | 149.52 |
| | (g) 4.75M dia outside circula or octagonal single well | Ditto | 13122.12 |
| | (g1) 4.75M dia for every successive additional metre depth beyond 10.00 M depth add. | Ditto | 170.19 |
| | (h) 5.00 M dia outside circular or octagonal single well | Ditto | 13875.96 |
| | (h1) 5.50M dia for every successive additional mete depth beyond 10.00M depth add. | Ditto | 180.29 |
| | (i) 5.50 M dia outside circular or octagonal single well | Ditto | 14576.44 |
| | (i1) 5.50 M dia for every successive additional metre depth beyond 10.00M depth add | Ditto | 189.42 |
| | (j) 5.75M dia outside circular or octagonal single well | Ditto | 15377.40 |
| | (j1) 5.75M dia for every successive additional metre depth beyond 10.00M depth add | Ditto | 199.52 |
| | (k) 6.00 dia outside circular or octagonal single well | Ditto | 16214.42 |
| | (k1) 6.00 M dia for every successive additional metre depth beyond 10.0M depth add. | Ditto | 210.58 |
| | (l) 6.50M dia outside circular or octagonal single well | Ditto | 17103.37 |
| | (l1) 6.50M dia for every successive additional metredeth beyond 10.00M depth add | Ditto | 222.12 |
| | (m) 6.75M dia outside circular or octagonal single well | Ditto | 17766.83 |
| | (m1) 6.75M dia for every successive additional metre depth beyond 10.00M depth add | Ditto | 230.77 |

Zabut

| SI No. | Description of Items | Unit | Rate (in Rs.) |
|--------|--|---------|---------------|
| 1 | 2 | 3 | 4 |
| | (n) 7.00M dia outside circular to octagonal single well | Ditto | 18987.50 |
| | (n1) 7.00M dia for every successive additional metre depth beyond 10.00M depth add | Ditto | 246.63 |
| | (o) 7.25M dia outside circular or octagonal single well | Ditto | 20001.44 |
| | (o1) 7.25M dia for every successive additional metre depth beyond 10.00M depth add | Ditto | 259.62 |
| | (p) 7.50M dia outside circular or octagonal single well | Ditto | 21052.88 |
| | (p1) 7.50M dia for every successive additional metre depth beyond 10.00M depth add. | Ditto | 273.56 |
| 2 | (a) 3.30M dia outside circular or octagonal twin well upto 10.00M depth | Ditto | 14582.69 |
| | (b) 3.00M dia for every successive additional metre depth beyond 10.00M depth add. | Ditto | 140.38 |
| 3 | Earth work in excavation of foundation in all kinds of soil with all leads and lifts includings shoring, shuttering, propping bullahs, piling dewatering from foundation, supplying and working pumps and stacking the excavated materials away form working area as ordered by the Engineer-in-charge upto 60M etc. complete with coffer dam if required. | | |
| | (a) Upto 3.00 M depth | 1 cum | 3725.96 |
| | (b) Beyond 3.00M and upto 6.00 M. Depth | Ditto | 4967.79 |
| | (c) Beyond 6.00M depth | Ditto | 6209.13 |
| 4 | Earth work in excavation of foundation is hard work or granite rock with all leads and lifts, including dewatering from foundation supplying shoring pumps and working pumps and stacking the excavated materials away from working areas as ordered by Engineer-in-charge upto 60M and complete with coffer dam if required. | | 0.00 |
| | (a) Upto 6.00M depth | 100 Cum | 17387.02 |
| | (b) Beyond 6.00M depth | Ditto | 21725.00 |
| 5 | Excavation of foundation in soft rock or disintegrate rock with all leads and lifts, including shorting shuttering propping bullahs, piling dewatering from foundation, supplying and working pumps and staking the excavated materials away from working area as ordered by the Engineer-in-charge upto 60M complete with coffer dam if required. | | |
| | (a) Upto 6.00M depth | Ditto | 11176.92 |
| | (b) Beyond 6.00M depth | Ditto | 13969.23 |
| 6 | Leveling the hard rock surface under wells for piers, abutments and wings under water | 1 Sqm | 156.25 |

Zahid

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------|--|-----------|---------------|
| 1 | 2 | 3 | 4 |
| 7 | Fixing anchoring bars upto 25mm to 38mm dia to the foundation of piers and abutments after drilling holes grouting with cement or cement mortar as per approved proportion, etc. all complete but excluding cost of rods | Each | 91.83 |
| 8 | Labour for fitting and fixing in position steel cutting edge as per approved design using M.S. angle plates, bolts and nuts complete including cutting angles to required size, bending to shape, drilling holes, reverting and welding, etc. complete in all respect but excluding cost of angles and plates. | 1 Quintal | 900.00 |
| 9 | Labour for fixing rocker and roller bearings | Each Set | 3509.62 |
| 10 | Providing C.I. grating to holes size upto 15cm dia for each drainage of water including cost of all materials. | Each | 43.46 |
| 11 | Cement concrete in foundation including dewatering add extra to the respective rate of cement concrete | 1 Cum | 55.38 |
| 12 | Cement concrete in substructure including frame work (shuttering and hoisting) add extra to the respective items of work. | 1 Cum | 102.12 |
| 13 | Masonry work in foundation below bed level add extra to respective rates of foundation for dewatering and lowering of materials. | 1 Cum | 32.40 |
| 14 | Shoring foundation trenches, pits, etc. with closed wood sheet piles excluding cost of wood (Labour only) | 1 Sqm | 12.26 |
| 15 | Shuttering in foundation excluding cost of wood (Labour only) | 1 Sqm | 2.98 |
| 16 | Trial boring in river-bed 38mm to 50mm dia upto 9.15M depth | 1 RM | 33.94 |
| 17 | Removing and refixing old wood work saving to the required sizes where necessary including cost of new nails but excluding cost of bolts complete for bridge work (labour only). | 1 Cum | 408.85 |
| 18 | Fixing wooden planks and scantling for bridge decking including cost of new nails (Labour only) | 1 Cum | 423.85 |
| 19 | (a) Strip seal expansion joint as per MORT&H specification. | RM | 9134.62 |
| | (b) Compression seal expansion joint as per MORT&H specification | RM | 8173.08 |
| | N.B. : The rates for item No. 1 to 17 are provisional | | |
| | (n) Timber Bridges | | |
| 1 | Sal bullah rough squared beams including fixing with new nails spikes for bridge work, etc. inclusive of cost of all materials complete | 1 Cum | 7519.52 |
| 2 | Refixing old wood including cost of new nails etc. | 1 Cum | 442.31 |

[Signature]

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------------------------------------|--|----------|---------------|
| 1 | 2 | 3 | 4 |
| 3 | Dismantling old wood work of bridges and stacking at site | 1 Cum | 211.54 |
| 4 | Sal wood planks and sawn scantling for bridge including fixing and cost of new nails, etc. complete | 1 Cum | 17134.90 |
| 5 | Labour for fitting and fixing old sal planks for fair-weather road including cost of nails | 1 Sqm | 8.85 |
| 6 | Labour for fixing old sal bullah including cost of nails after cutting to required sizes. | 1 RM | 4.33 |
| 7 | Labour for filling empty cement bags, sewing and laying in position including cost of sewing strings. | 100 Nos. | 96.15 |
| 8 | Labour for filling empty cement bags sewing and laying under water in position. | 100 Nos | 101.54 |
| 9 | Loading cement bags filled with sand in boat within 300m. lead. | 100 Nos | 43.46 |
| 10 | Caulking boats, lock gates, etc. with Oakum | 30 RM | 88.65 |
| (o) Road work | | | |
| 1 | Removal of B.T. surface and stacking them away from work site within initial lead of 50 Mtr. and initial lift of 1.5 Mtr. as per direction of Engineer-in-charge | 1 sqm | 13.27 |
| 2 | Labour charges for pre-coating 10mm chips as per I.R.C. code 48/72 | 1 Cum | 365.67 |
| 3 | K.B.bricksflat soling including filling on interstics with sand or sandy soil | 1 Sqm | 29.52 |
| 4 | Second class K.B. bricks on dental brick edging | 1 RM | 7.79 |
| (p) Other Miscellaneous items | | | |
| 1 | Clearing heavy jungle including uprooting stumps of trees and trees above 1M girth and thick bushes including bamboo premeasurement. | 100 sqm | 60.67 |
| 2 | Clearing shrub jungles uprooting stumps and small bushes and trees below 1M girth on premeasurement. | 100 sqm | 19.42 |
| 3 | Cutting and uprooting trees including removal and making good to the damages to ground, trees up to 1.50M girth. | Each | 29.23 |
| 4 | Cutting and uprooting trees including removal and making good to the damages to ground trees above 1.50M upto 3.00 M girth | Each | 46.35 |
| 5 | Cutting and uprooting trees including removal and making good to the damages to ground trees above 3.00M. girth | Each | 70.77 |
| 6 | Washing newer cot including refixing each cot | Each | 17.50 |

Zabut

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------|--|-------|---------------|
| 1 | 2 | 3 | 4 |
| 7 | Dewatering and removing rubbish and silt and disinfecting wells upto 1.5M dia | Each | 98.17 |
| 8 | Dewatering and removing rubbish and silt and disinfecting wells above 1.50M and upto 2.50M dia | Each | 159.13 |
| 9 | Supplying fitting and fixing teak wood hand rails 8cm to 10cm wide and 5cm to 8cm depth complete in all respects polished. | 1 RM | 230.87 |
| 10 | Supplying fitting and fixing teak wood picture rail 8 cm to 10cm wide and 12cm tick including polishing, etc. complete | 1 RM | 69.42 |
| 11 | Bamboo gabions 60cm dia 1.50 M high including coaltaring 2 coats to 30 cm bottom fitted and fixed complete | Each | 34.13 |
| 12 | Bamboo gabions 1m dia 1.50 M high including coaltaring 2 coats to 30 cm bottom fitted and fixed complete | Each | 55.96 |
| 13 | Recanning arm of dining chair with nylon cane (Back) | Each | 30.58 |
| 14 | Recanning arm of dining chair with country cane (Back) | Each | 24.71 |
| 15 | Recanning arm of dining chair with nylon cane (seat) | Each | 55.38 |
| 16 | Recanning arm of dining chair with country cane (seal) | Each | 40.58 |
| 17 | Recanning easy chair with nylon cane | Each | 142.50 |
| 18 | Recanning easy chair with country cane | Each | 127.12 |
| 19 | Construction of brick gabions with dry brick and cement mortar in honey comb joints and two layers solid masonry in cement mortar (1:6) in all joints. (a) 1.25M dia and 1.50M high (b) 1.00M dia and 1.50M high | Each | 298.08 |
| 20 | Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars (a) 100mm dia R.C.C. pipe (b) 150mm dia R.C.C. pipe (c) 250mm dia R.C.C. pipe (d) 300mm dia R.C.C. pipe (e) 450mm dia R.C.C. pipe (f) 600mm dia R.C.C. pipe (g) 900mm dia R.C.C. pipe (h) 1200mm dia R.C.C. pipe | 1 RM | 8.85 |
| | | 1 RM | 9.81 |
| | | 1 RM | 14.62 |
| | | 1 RM | 17.12 |
| | | 1 RM | 22.02 |
| | | 1 RM | 27.02 |
| | | 1 RM | 40.58 |
| | | 1 RM | 70.38 |
| 21 | Labour for fixing bullahs 30cm to 50cm below ground for barricading purpose. | Each | 1.15 |
| 22 | 23cm to 30cm dia Sal bullah fitted and fixed complete | 1 Cum | 6278.85 |

Talukdar

| SI No. | Description of Items | Unit | Rate (in Rs.) |
|--------|--|---------|---------------|
| 1 | 2 | 3 | 4 |
| 23 | 10cm to 13cm dia Non-Sal bullah fitted and fixed complete. | 1 m | 21.15 |
| 24 | Non-sal bullah 13cm to 15cm dia fitted and fixed complete | 1 m | 36.73 |
| 25 | Non-sal bullah 18cm to 20cm dia fitted and fixed complete | 1 m | 52.98 |
| 26 | 25mm thick sal plank fitted and fixed complete for Shelves | 1 Sqm | 337.31 |
| 27 | Fitting and fixing unitex board after cutting rebate and grooves and fixing with necessary beads, nails or screws etc. (Labour) nails or screws etc (labour) | 1 Sqm | 87.31 |
| 28 | Renewing bases of lightening conductors terminals with pillar 25cm × 25cm and 12mm cement plaster (1:6) complete | Each | 59.71 |
| 29 | Making empty coalter drum gabions with thick coat of colatar to exposed surface (drums to be supplied departmentally). | Each | 9.81 |
| 30 | Cutting chase or grooves upto 15cm × 15cm in old walls including fixing C.I. sheet in cement mortar (1:3) | 1 RM | 9.81 |
| 31 | 12cm thick honey comb brick works in cement mortar (1:4) including cement plaster (1:6) complete. | 1 Sqm | 125.00 |
| 32 | Labour for cutting the empty coalter drums and flattening the same | Each | 2.88 |
| 33 | Providing 12cm thick and 30cm high ornamental brick parapet as per design with (1:6) cement mortar and cement plaster (1:6) finished smooth complete. | 1 RM | 101.06 |
| 34 | Labour for fitting and fixing masonite sheet lining to wall faces etc. complete. | 1 Sqm, | 18.27 |
| 35 | Crack repair to walls 8cm × 2.5cm with cement mortar (1:3) | 1 RM | 2.31 |
| 36 | Clearing of water hyacinth from canal and drainage channels | | |
| | (a) Thickely grown | 1 Sqm | 1.73 |
| | (b) Moderately grown | 1 Sqm | 1.06 |
| 37 | Dug belling 23cm × 15cm | 100 M | 16.83 |
| 38 | Drilling hole 25cm to 37mm dia in granite rock | 1 RM | 125.19 |
| 39 | Drilling hole 25cm to 37mm dia in rock ether than granite | 1 RM | 105.87 |
| 40 | Sawing charges of wood by machine as per specified size | 1 Cu. M | 350.96 |
| 41 | Sewing charges by hand including cost of the thread hand needless per R.M | 1 RM, | 1.25 |
| | (q) Hire and Running charges | | |
| 1 | Trailer with machine | Per day | 98.08 |
| 2 | Dug out boat with 1 boat man | Per day | 70.00 |

Tahira

| Sl No. | Description of Items | Unit | Rate (in Rs.) |
|--------|--|---------|---------------|
| 1 | 2 | 3 | 4 |
| 3 | Boat excluding boat man | Per day | |
| | (i) Small upto 1M width | Per day | 59.42 |
| | (ii) Big above 1M width | Per day | 86.73 |
| 4 | Plough man with 2 bullocks or buffalos | Per day | 72.12 |
| 5 | Bullock or buffalo cart with driver | Per day | 91.92 |

N.B. : For flood and hazardous situation, the boat hire charges may be increased upto 25%

Note :

1. Rates under this sub-heads are inclusive of labour and cost of materials and conveyance, except where otherwise mentioned in the description of items.
2. 10 percent excess on the above rates will be allowed on the works being executed inside the jail premises.

(r) EPOXY COATING

| Sl No. | Description of item | Dia of Bar in mm | Post GST Rate (Rs. / M.T.) |
|--------|--|------------------|----------------------------|
| | Providing fusion bonded epoxy coating not less than 175 micron thickness and upto 300 micron to reinforcement of all diameters as per I.S 13620-1993 including testing of coating at plant | 32 mm | Rs.5,144.23 |
| | | 28 mm | Rs.5,913.46 |
| | | 25 mm | Rs.6,274.04 |
| | | 20 mm | Rs.7,211.54 |
| | | 16 mm | Rs.8,076.92 |
| | | 12 mm | Rs.8,365.38 |
| | | 10 mm | Rs.9,201.92 |
| | | 08 mm | Rs.11,057.69 |

Notes :-

1. Epoxy Coating will be adopted only for the structures within a distance of 15 K.M from seashore as per orders of Government in respective Department and the rate approved will be effective for one year from the date of approval and subject to condition that the concerned company will set up a plant in one of the coastal districts of Orissa within that period.
2. The rate will be valid for one financial year and will be reviewed after one year

Sabher

(s) All Weather Road Repairing Compound.

| Sl. No | Description of item | Unit | Rate (Rs.) |
|-----------|---|------|---|
| 01 | Instant All Weather road repairing compound of approved make including monsoon having composition of Aggregates having sieve sizes of 8 mm & down, Bitumen having less of wax content-Anti stripping compound, White spirit, Polymer and Cement | kg | On the basis of Analysis of rate approved by competent authority. |

Notes for Post GST Rates:-

Miscellaneous items in Chapter-XXV of S/R-2006 is remained as it is for estimates framed at S/R-2014 without any change. As in the works contract, VAT was deducted @4% in pre GST regime, it is decided to deduct the 4% VAT component to derive rates of all miscellaneous item at Post GST regime for Chapter- XXV of S/R-2006.

Zahid

ANNEXURES B REVISED LABOUR RATES

OFFICE OF THE
LABOUR COMMISSIONER: ODISHA: BHUBANESWAR

+++
NOTIFICATION

No. 2587 C /LC, Bhubaneswar, dated 25-05-2021

Whereas the minimum rate of wages for unskilled, semi skilled, skilled and highly skilled categories of employees in 89 scheduled employments were fixed/ revised by the Government in Notification No. 7312-LL-I(III)-56/18/LESI dated 30.10.2018 of the Labour & ESI Department, Odisha published in the Extraordinary Issue No. 1991 of the Odisha Gazette dated the 30.10.2018 bearing SRO No. 431/2018.

And whereas, the State Minimum Wages Advisory Board in its 52nd meeting have advised to adopt a system of revision of the special allowance called Variable Dearness Allowances @ Rs. 0.90 per point rise in the Consumer Price Index Number for Industrial Workers (base 2001-100) as admissible and shall be declared at half yearly interval i.e. on 1st April and 1st October from the date of notification of revised wages, starting from 1st April 2019.

And whereas, the Variable Dearness Allowance for the half year commencing w.e.f. 1st April, 2021 is required to be effected on the basis of the increase in average Consumer Price Index Number for Industrial workers of 2.88 points during the half year ending December, 2020.

Now therefore, I Dr. N. Thirumala Naik, I.A.S., Labour Commissioner, Odisha in exercise of the powers delegated in the aforesaid Notification do hereby notify that the Variable Dearness Allowance (VDA) @ Rs. 3.00 per day shall be payable to the unskilled, semi-skilled, skilled and highly skilled categories of employees in all 89 scheduled employments (list enclosed in the Schedule) w.e.f. 1st April, 2021 in addition to the minimum rate of wages notified vide the aforesaid Notification of Government in Labour & ESI Department, Odisha and the VDA notified vide Notification No. 6100/ LC dtd. 21.10.2020. Accordingly, the present rate of minimum wages including VDA per day (after rounding off) w.e.f. 1st April, 2021 shall be as under.

| Category of Employee | Minimum Wages with VDA per day w.e.f. 01.10.2020 | V.D.A. per day w.e.f 01.04.2021 | Minimum Wages with VDA per day w.e.f. 01.04.2021 |
|----------------------|--|---------------------------------|--|
| Unskilled | Rs. 308.00 | Rs. 3.00 | Rs.311.00 |
| Semi skilled | Rs. 348.00 | Rs. 3.00 | Rs.351.00 |
| Skilled | Rs. 398.00 | Rs. 3.00 | Rs.401.00 |
| Highly Skilled | Rs. 458.00 | Rs. 3.00 | Rs.461.00 |


Labour Commissioner, Odisha

1/2/1

Memo No. 2817 /dtd. 25-05-2021

Copy forwarded to the Director, Printing Stationery and Publication, Odisha, Madhupatna, Cuttack with a request to publish the above notification in the next issue of Odisha Gazette and supply 200 copies to this office.

 Labour Commissioner, Odisha

Memo No. 2818 /dtd. 25-05-2021

Copy forwarded to the Principal Secretary to Government, Labour & ESI Department, Odisha, Bhubaneswar for kind information.

 Labour Commissioner, Odisha

Memo No. 2819 /dtd. 25-05-2021

Copy forwarded to all Secretaries to Government of Odisha / All Heads of Departments / All Collectors of Odisha for kind information.

 Labour Commissioner, Odisha

Memo No. 2820 /dtd. 25-05-2021

Copy to All Joint Labour Commissioners / All Divisional Labour Commissioners / All District Labour Officers / All Assistant Labour Officers / All Rural Labour Inspectors for information and necessary action. They are requested to circulate the same among all concerned.

 Labour Commissioner, Odisha

Memo No. 2821 /dtd. 25-05-2021

Copy to all Officers of the State Labour Directorate, Odisha, Bhubaneswar for information.

 Labour Commissioner, Odisha

ANNEXURES C STEEL RATE AS PER SAIL


MRRP (INCLUDING GST) FOR SAIL JYOTI GC SHEET - IS 277 CL VIII FOR SEPTEMBER 2019

| Region | Branch | State / UT | (Rs/MT) | | | |
|----------|-----------------------------|-----------------|-----------|---------|-----------|---------|
| | | | GCS - BSL | | GCS - RSP | |
| | | | 0.5 mm | 0.63 mm | 0.5 mm | 0.63 mm |
| EASTERN | KOLKATA | WB-1 | 68300 | 66500 | 69500 | 67700 |
| | DURGAPUR | | 67900 | 66100 | 69200 | 67500 |
| | SILIGURI | WB-2 | 70800 | 69100 | 72100 | 70300 |
| | BHUBANESWAR | ODISHA | 69000 | 67200 | 69500 | 67700 |
| | ROURKELA | | 68300 | 66500 | 68300 | 66600 |
| | PATNA | BIHAR | 68300 | 66600 | 70000 | 68200 |
| | BOKARO | JHARKHAND | 67500 | 65700 | 69100 | 67300 |
| | DEOGHAR | | 68400 | 66600 | 69800 | 68000 |
| | GUWAHATI | ASSAM | 70500 | 68700 | 71600 | 69900 |
| | ITANAGAR | ARUNACHAL | 72300 | 70500 | 73400 | 71600 |
| NORTHERN | DELHI | DELHI | 64200 | 62500 | 66300 | 64500 |
| | FARIDABAD | HARYANA | 64200 | 62500 | 66300 | 64500 |
| | GHAZIABAD | UTTAR PRADESH | 63700 | 61900 | 66300 | 64500 |
| | AGRA | | 63700 | 61900 | 65700 | 63900 |
| | KANPUR | | 62800 | 61100 | 65200 | 63400 |
| | ALLAHABAD | | 62300 | 60500 | 64500 | 62700 |
| | JALLANDHAR | | 64800 | 63000 | 67000 | 65300 |
| | LUDHIANA | PUNJAB | 64800 | 63000 | 66900 | 65100 |
| | MANDI | | 64500 | 62700 | 66900 | 65100 |
| | CHANDIGARH | | 64500 | 62700 | 66900 | 65100 |
| | RISHIKESH/DEHRADUN | UTTARAKHAND | 64200 | 62500 | 66500 | 64800 |
| | SRINAGAR | J&K-2 | 68900 | 67200 | 71600 | 69800 |
| | JAMMU | J&K-1 | 65400 | 63600 | 67400 | 65600 |
| | LEH | J&K-3 | 73700 | 71900 | 75600 | 73900 |
| WESTERN | KALAMBOLI/PUNE (NON-OCTROI) | MAHARASHTRA | 64600 | 62900 | 65500 | 63700 |
| | NAGPUR(NON-OCTROI) | | 62700 | 61000 | 63300 | 61500 |
| | GOA | GOA | 67400 | 65700 | 68000 | 66200 |
| | AHMEDABAD/BARODA | GUJARAT | 64600 | 62800 | 65800 | 64100 |
| | BHILAI | CHHATTISGARH | 61800 | 60000 | 62300 | 60600 |
| | JABALPUR | MP-1 | 62000 | 60300 | 63100 | 61300 |
| | BHOPAL | | 63000 | 61200 | 63800 | 62000 |
| | GWALIOR / INDORE | MP-2 | 62700 | 61000 | 64700 | 62900 |
| | JAIPUR | RAJASTHAN-1 | 63300 | 61500 | 65200 | 63400 |
| | KOTA | RAJASTHAN-2 | 63600 | 61800 | 64400 | 62600 |
| SOUTHERN | CHENNAI | TN-1, PONDI-1 | 66200 | 64400 | 68400 | 66600 |
| | TRICHY/COIMBATORE | TN-2, PONDI-1 | 66700 | 65000 | 69100 | 67300 |
| | COCHIN | KERALA, PONDI-3 | 68300 | 66500 | 70700 | 68900 |
| | HYDERABAD | AP-1 | 65900 | 64100 | 67800 | 66000 |
| | VIZAG | AP-2, PONDI-2 | 64100 | 62300 | 66100 | 64400 |
| | VIJAYAWADA | | 65200 | 63400 | 67200 | 65400 |
| | BANGALORE | KARNATAKA | 66900 | 65100 | 69200 | 67400 |

ANNEXURES D CPWD PAR 2020

PLINTH AREA RATES
as on 01.04.2020

| Sl. No. | Description | Rate in ₹ per sqm | | | |
|---------|--|---------------------------|-----------|-----------------------|------------------|
| | | Non-Residential Buildings | | Residential Buildings | |
| | | Offices/ Colleges | Hospitals | Schools | Hostels/Quarters |
| 1.0 | BUILDING COST (Specifications as per Annexure-I) | | | | |
| 1.1 | RCC FRAMED STRUCTURE (Upto six storeys) | | | | |
| 1.1.1 | Floor height 3.60 metre | 25800 | 27100 | 20700 | - |
| 1.1.2 | Floor height 3.00 metre | - | - | - | 19700 |
| 1.2 | COMPOSITE (PARTIALLY LOAD BEARING AND PARTIALLY RCC FRAMED) STRUCTURE (Upto six storeys) | | | | |
| 1.2.1 | Floor height 3.60 metre | 21900 | 23000 | 17800 | |
| 1.2.2 | Floor height 3.00 metre | - | - | - | 16800 |
| 1.3 | EXTRA FOR | | | | |
| 1.3.1.1 | For seven to twelve storey For every additional storey. | | | 100 | |
| 1.3.1.2 | For thirteen to eighteen storey For every additional storey. | | | 200 | |
| 1.3.1.3 | For nineteen to twenty four storey For every additional storey. | | | 300 | |
| 1.3.1.4 | For twenty five to thirty storey For every additional storey. | | | 400 | |
| 1.3.1.5 | For thirty one to thirty six storey For every additional storey. | | | 500 | |
| 1.3.1.6 | For thirty seven to forty two storey For every additional storey. | | | 600 | |
| | Similarly extra rate per storey may be increased by Rs. 100 per sqm for the next set of six stories | | | | |
| 1.3.2 | Every 0.3 metre or part thereof, additional/lesser height of floor above normal floor height of 3.60 metre / 3.00 metre | | | 350 | |
| 1.3.3 | Every 0.3 metre or part thereof, higher plinth height over normal plinth height of 0.45 metre (on ground floor area only). | | | 350 | |
| 1.3.4 | Every 0.30 metre or part thereof, deeper foundations over normal depth of 1.20 metre (on ground floor area only). | | | 200 | |
| 1.3.5 | Making stronger foundations to take load of one additional floor at a later date (on ground floor area only). | For RCC framed structures | | Composite structure | |
| | | 1500 | | 600 | |
| 1.3.6 | RCC raft foundation (on ground floor area only) | | | 10000 | |
| 1.3.7 | Pile foundation (on ground floor area only) | | | 16000 | |
| 1.3.8 | Stronger structural members to take heavy load above 500 kg per sqm upto 1000 kg per sqm. | | | 1700 | |

| | | |
|------------|--|-------|
| 1.4 | BASEMENT FLOOR | |
| 1.4.1 | Floor height upto 3.35 metre including water proofing. | 31000 |
| 1.4.2 | Add or deduct for every 0.30 metre, or part thereof, height against normal height of 3.35 metre. | 1000 |
| 1.5 | FIRE FIGHTING | |
| 1.5.1 | With wet riser system | 800 |
| 1.5.2 | With wet riser and sprinkler system | 1200 |
| 1.6 | FIRE ALARM SYSTEM | |
| 1.6.1 | Manual fire alarm system | 250 |
| 1.6.2 | Automatic fire alarm system | 600 |
| 1.7 | Pressurized mechanical ventilation system in the basements with supply duct of exhaust blowers (on basement area only) | 1050 |
| 1.8 | STILT PORTION | |
| 1.8.1 | Stilt portion of multi-storey up to floor height of 3.60 metre (on stilt area only) | 8000 |
| 1.8.2 | Every 0.30 metre additional height above 3.60 metre | 200 |

Notes for building cost:

- 1) The rates for item no. 1.1 and 1.2 are inclusive of provisions for earthquake forces and other design loads/forces.
- 2) The rates for items are applicable on entire plinth area except for items no. 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.7, 1.8.1, 1.8.2.
- 3) The rates mentioned above are inclusive of GST.
- 4) In case of basement, rate is inclusive of raft foundation; therefore rate as per item 1.3.6 shall not be taken separately.
- 5) In case of more than one basement, the lower most basement shall be considered as basement whereas the upper basements shall be treated as floors.

| Sl. No. | Description | Non-Residential Buildings | | | Residential Buildings | |
|------------|--|---------------------------|-----------|---------|--|----------|
| | | Offices & Colleges | Hospitals | Schools | Hostels | Quarters |
| 2.0 | SERVICES | | | | | |
| 2.1 | Internal water supply & sanitary installations | 4% | 10% | 5% | 12% with attached toilets, 8% with common toilets. | 9% |
| 2.2 | External service connections and local body approval charges | | | | | |
| 2.2.1 | Electrical external service connections | 3.75% | 3.75% | 3.75% | 3.75% | 3.75% |
| 2.2.2 | Civil external service connections | 1.25% | 1.25% | 1.25% | 1.25% | 1.25% |
| 2.2.3 | Local body approvals including tree cutting etc. | 1.25% | 1.25% | 1.25% | 1.25% | 1.25% |
| 2.3 | Internal electric installations | 12.5% | 12.5% | 12.5% | 12.5% | 12.5% |
| 2.4 | EXTRA FOR | | | | | |
| 2.4.1 | Power wiring and plugs | 4% | 4% | 4% | 4% | 4% |
| 2.4.2 | Lightning conductors | 0.25% | 0.25% | 0.25% | 0.25% | - |
| 2.4.3 | Telephone conduits | 0.25% | 0.25% | 0.25% | 0.25% | - |
| 2.4.4 | Third Party Quality Assurance | 1% | 1% | 1% | 1% | 1% |

Notes for building cost:

- Third Party Quality Assurance (TPQA) charge of 1% shall be taken in estimate preferably on the request of client department.
- In case of modular furniture, extra provisions for raceways, conduiting and LAN etc. shall be made on the basis of actual requirement.
- LED fittings and fixtures are inclusive in internal electrical installation rates. No separate provision shall be made.
- Percentage mentioned above means the percentage of building cost as per item 1.1/ 1.2 + 1.3.2.

| Sl. No. | Capacity/ Persons | Speed in m/sec | Travel height | Price (₹ in lacs) | Extra for each additional floor (in ₹) |
|--|-------------------------|----------------|---------------|----------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 3 LIFTS with power operated doors and AC variable voltage & variable frequency controls | | | | | |
| 3.1 Passenger lift | | | | | |
| 3.1.1 | 8 | 1.0 | G+4 | 16 | 90,000 |
| 3.1.2 | 8 | 1.5 | G+5 | 18 | 90,000 |
| 3.1.3 | 13 | 1.0 | G+4 | 18 | 90,000 |
| 3.1.4 | 13 | 1.5 | G+5 | 20 | 90,000 |
| 3.1.5 | 16 | 1.0 | G+4 | 24 | 1,10,000 |
| 3.1.6 | 16 | 1.5 | G+5 | 26 | 1,10,000 |
| 3.1.7 | 16 | 2.5 | G+12 | 70 | 1,10,000 |
| 3.1.8 | 20 (Bed lift) | 0.75 | G+4 | 24 | 1,10,000 |
| 3.1.9 | 20 | 1.5 | G+5 | 27 | 1,10,000 |
| 3.1.10 | 20 | 2.5 | G+12 | 75 | 1,10,000 |
| 3.2 Goods lift (2 speed) | | | | | |
| 3.2.1 | 1 Ton | 0.5 | G+4 | 26 | 85,000 |
| 3.2.2 | 2 Ton | 0.5 | G+4 | 33 | 85,000 |
| 3.2.3 | 3 Ton | 0.25 | G+4 | 41 | 1,00,000 |

| Sl. No. | Description | Rates |
|---------|--|-------------|
| 4 | WATER TANK (RCC) | ₹ per litre |
| 4.1 | Overhead tank without independent staging | 20 |
| 4.2 | Overhead tank with staging height upto 20 metres | 30 |
| 4.3 | Overhead tank with staging height above 20 metres upto 30 metres | 35 |
| 4.4 | Overhead tank with staging height above 30 metres upto 40 metres | 40 |
| 4.5 | Underground sump | 20 |
| 5 | DEVELOPMENT OF SITE | ₹ per sqm |
| 5.1 | Levelling | 300 |
| 5.2 | Internal roads & paths | |
| 5.2.1 | Internal road with WBM and bituminous top | 1600 |
| 5.2.2 | Internal road with WMM and bituminous top | 1700 |
| 5.2.3 | Cement concrete pavement with vacuum dewatered concrete | 2200 |

| | | |
|-------------|--|-----------|
| 5.2.4 | Footpath with PCC base, 60 mm thick paver blocks and kerb stone edging on one side. | 2600 |
| ₹ per metre | | |
| 5.3 | External sewerage | 3300 |
| 5.4 | Filtered water supply | |
| 5.4.1 | Distribution lines upto 100 mm dia | 1300 |
| 5.4.2 | Peripheral grid 150 mm to 300 mm dia pipes | 3600 |
| 5.4.3 | Unfiltered water supply distribution lines | 1700 |
| 5.5 | Storm water drains | 8600 |
| 5.6 | Rain water harvesting (RWH) | 3300 |
| 5.7 | Trenches for services | 6200 |
| 5.8 | Boundary wall with 1500 mm height from ground level & 600 mm high MS grill including steel gates/wicket gates etc. | |
| 5.8.1 | Composite structure | 8600 |
| 5.8.2 | Precast RCC wall | 7500 |
| 5.9 | Horticulture Works | ₹ per sqm |
| 5.9.1 | Horticulture operations including 300mm earth filling, grassing, tree plantations/shrubs and potted plants etc. | 250 |
| 5.9.2 | Vertical plantations | 40 |

Notes for developmental works :

1. The rates mentioned as per sqm or per meter refers to the area or the running meter length of respective service as calculated from the layout plan.
2. For development of site, it would be desirable to design all the components under head 5 and cost estimate may be done as individual item with complete rates as per area/length of such components.

OR

Alternately, if it is not feasible to compute the exact area or length of development components from item no. 5.1 to 5.7, then the same may be considered for the entire plot area on proportionate building cost percentage basis as described below.

- | | |
|---|---------------------------|
| 2.1 Compact building(s) site comprising of a single or close clustered multi storey high rise building(s) | = 4.5% of building cost * |
| 2.2 Semi compact / scattered building(s) site comprising of a few multi-storey buildings floor nos. | = 6.0% of building cost * |
| 2.3 Scattered building(s) site comprising of low rise buildings | = 7.5% of building cost * |

* Building cost = The cost of building/building(s) for entire plinth area calculated at rates as per 1.1 / 1.2 + 1.3.2

General Notes :

1. Provisions for extra ordinary requirements over and above those provided in this PAR may be additionally accounted for.
2. Cost of bulk services like water supply, sewage disposal as mentioned in (a) & (b) below are not included in these rates and extra provisions as per requirement may be made.
 - (a)Tube wells, pumps, open wells, treatment plant, extension of lines from source of local bodies, head works at water source etc.
 - (b)Sewage pumps, sewage treatment plants, septic tanks, extension of outfall sewer up to point of disposal etc.
3. None of the specialized E&M services are included in the above rates and necessary provisions are to be considered.

PLINTH AREA RATES FOR SPECIALISED E&M WORKS**Rate in ₹**

| Sl. No. | Description of Item | Unit | Rate |
|----------------|--|-------------|-------------|
| 1 | SUB-STATION EQUIPMENT | | |
| 1.1 | Supplying, installation, testing and commissioning of 33 kV/0.433 kV or 11 kV/0.433 kV substation equipments comprising HT panel, dry type transformers, HT cable, bus trunking from transformer to LT panel, LT panel, automatic power factor correction panel, active harmonic filters, TVSS (transient voltage suppression system), SPD (surge protection system), essential panel, earthing, required inter-connections, substation safety equipments including LT cabling from sub station to the buildings fed by the sub station. | per kVA | 9000 |
| 2 | DIESEL GENERATING SETS | | |
| 2.1 | Supplying, installation, testing and commissioning of silent type DG sets, AMF panel, bus ducting/ cables from DG sets to essential panel, synchronizing panel where required, DG set enclosure room sound insulation/ventilation/smoke exhaust as required, earthing of DG set system, control cabling, fuel tank/piping, DG set exhaust piping/ exhaust chimney as per CPCB norms, civil works connected with DG sets including foundation as required. | per kVA | 11000 |
| 3 | 33 kV RECEIVING SUBSTAION AND 33 kV/11 kV HT CABLING | | |
| 3.1 | Supplying, installation, testing and commissioning of 33 kV substation comprising 33 kV HT panel, transformers 33kV/11 kV, 11 kV HT panel, inter connections, 11 kV HT under ground cabling to the distribution substations on ring main system, substation earthing, substation safety equipments. | per kVA | 6000 |
| 3.2 | Supplying, installation, testing and commissioning of 33 kV switch room comprising of 33 kV HT panel, inter connections, 33 kV HT under ground cabling to the distribution substations on ring main system, earthing, safety equipment. | per kVA | 6000 |
| 4 | UNINTERRUPTED POWER SUPPLY | | |
| 4.1 | Supplying, installation, testing and commissioning of online 3 phase UPS system with 30 minutes back up including batteries, interconnecting cables, battery racks etc. | per kVA | 20000 |
| 4.2 | Add for every additional 30 minutes backup | per kVA | 9000 |
| | Note: For assessment of kVA estimation of a building, para 4.4,13 and other relevant paras of "Guidelines for Substation & Power Distribution Systems of Buildings-2019" which is available on CPWD website may be referred to. | | |
| 5 | CENTRAL AC PLANT | | |
| 5.1 | Supplying, installation, testing and commissioning of energy efficient central AC plant including low side works | per TR | 85000 |
| 5.2 | Extra for stand-by chilling units high side | per TR | 38000 |
| 6 | VRV/ VRF AC SYSTEM | | |
| 6.1 | Supplying, installation, testing and commissioning of VRV/VRF system including indoor /outdoor units, piping, electrical power distribution/wiring, electrical panel, treated fresh air system etc. | per HP | 55000 |
| 7 | PRECISION AIRCONDITIONING SYSTEM | | |
| 7.1 | Supplying, installation, testing and commissioning of precision air conditioning system including piping, electrical cabling, controller etc. required for the system | per TR | 110000 |
| 8 | SOLAR PHOTO VOLTAIC POWER GENERATION SYSTEM | | |
| 8.1 | Supplying, installation, testing and commissioning of grid interactive roof top solar photo voltaic power generation system including space frame | per kWp | 65000 |

| Sl. No. | Description of Item | Unit | Rate |
|---------|--|----------------|-------|
| 9 | SOLAR WATER HEATING SYSTEM | | |
| 9.1 | Supplying, installation, testing and commissioning of solar water heating system with heat exchanger type including electrical heater backup, make up water tank but without piping – 100 litres capacity | Each | 22500 |
| 9.2 | For higher capacity in multiples of 100 litres. | per 100 litres | 22500 |
| 10 | CCTV SYSTEM | | |
| 10.1 | Supplying, installation, testing and commissioning of IP based CCTV system for building security comprising of PTZ fixed camera, cabling, recording , display system and hard ware software support – for indoors only {Rate applicable on total plinth area} | per sqm | 200 |
| 10.2 | For external surveillance (Rate applicable on total plot area minus plinth area at ground floor) | per sqm | 200 |
| | Note: Rate includes peripheral IP based PTZ camera besides indoor camera at reception, corridors, lift lobby etc., wiring upto CCTV room and setting up monitoring unit/ units, as required. | | |
| 11 | ACCESS CONTROL SYSTEM | | |
| 11.1 | Supplying, installation, testing and commissioning of access control system for building security comprising of controller, E&M locks, reader, smart cards, cabling, recording, display system, hardware and software support as required (Rate applicable only on plinth area of high security area in the building) | per sqm | 200 |
| 12 | IBMS: INTEGRATED BUILDING MANAGEMENT SYSTEM | | |
| 12.1 | Supplying, installation, testing and commissioning of Integrated building management system for digital/electronic display and monitoring of all E&M systems like substation, DG sets, UPS, solar power, lifts, AC plants, ventilation systems, fire protection systems, pumps etc. to include cabling, monitors, recording, display system, hardware, software support (upto 10,000 sq.m) (Rate applicable on total plinth area) | per sqm | 400 |
| 12.2 | Add extra for built up area above 10,000 sq mtr. (Rate applicable on total plinth area) | per sqm | 125 |
| 13 | HYDROPNEUMATIC WATER SUPPLY SYSTEM | | |
| 13.1 | Supplying, installation, testing and commissioning of hydro pneumatic water supply system consisting of pumps, pneumatic tank, microprocessor based control panel, VFD, inter connecting pipes, valves, cabling, switchgear etc. as required | per LPM | 1500 |
| 14 | LIGHTING AUTOMATION INCLUDING OCCUPANCY SENSORS | | |
| 14.1 | Supplying, installation, testing and commissioning of lighting automation including occupancy sensors (Rate applicable on area to be specified by client) | per sqm | 200 |
| 15 | BASIC HOME SECURITY FOR RESIDENTIAL COLONY | | |
| 15.1 | Supplying, installation, testing and commissioning of basic security system in the residential colony to include control room at the gate and intercom connection to each dwelling unit, and basic CCTV system to be installed at the entry and exit points, parking areas, entry point of each dwelling unit and other common areas as required including CCTV control room, required under ground cabling, recording system and monitor/ monitors in the control room: <u>Intercom system. (Rate applicable on plinth area excluding service/common areas).</u> | per sqm | 300 |
| 15.2 | CCTV system (Rate applicable on plinth area excluding service/common areas). | per sqm | 300 |
| 16 | LAN SYSTEM | | |
| 16.1 | Supplying, installation, testing and commissioning of LAN system comprising of core switches & L2 switches with 10 G, 10 giga SFP modules, WIFI access points, WIFI controller, network management software, racks, CAT 6A cable, patch panels, OFC etc. (Rate applicable on plinth area excluding service/common areas). | per sqm | 500 |

| Sl. No. | Description of Item | Unit | Rate |
|---------|--|---------------------|---------|
| 17 | IP BASED EPABX SYSTEM | | |
| 17.1 | Supplying, installation, testing and commissioning of IP based EPABX system comprising of core switches & L2 switches with 10 G, 10 giga SFP modules, industry standard appliance server, cloud-based, enterprise-grade UC solution, MID/ENTRY level IP/SIP phone with, dual 1 gig ports, racks, CAT 6A cable, patch panels, OFC etc. (Rate applicable on plinth area excluding service/common areas). | per sqm | 500 |
| | NOTE: It will be economical to use common infrastructure of switches, OFC, CAT 6A cable for both voice and networking. | | |
| 18 | Conference hall: supplying, installation, testing and commissioning of audio visual/conference system (Rate applicable on carpet area of Hall only) | per sqm | 10000 |
| 19 | STREET LIGHTING WITH LED | | |
| 19.1 | Supplying, installation, testing and commissioning of LED street/ compound/ high mast/ pathway/ landscape lighting for the entire campus (Rate applicable on total plot area). | per sqm | 150 |
| | Note: This is applicable for plot sizes more than 1 acre. For smaller plot sizes actual requirements may be worked out | | |
| | Note:- Cost for general façade lighting, if required, with IP 66/67 LED fixtures (RGB/Tunable/Mono) along with controls (hardware and software) and cabling may be assessed on case to case basis. | | |
| 20 | STP/ETP PLANT | | |
| | Supplying, installation, testing and commissioning of STP/ETP of appropriate technology including civil works (except plant room), tertiary treatment etc. for the building/ campus | | |
| 20.1 | Plant size upto 50,000 LPD | per thousand litres | 75000 |
| 20.2 | Plant size above 50,000 upto 1,00,000 LPD | per thousand litres | 60000 |
| 20.3 | Plant size above 1,00,000 LPD | per thousand litres | 50000 |
| 21 | DRIVER FACE AND AUTOMATIC NUMBER PLATE RECORDING SYSTEM/RECOGNITION SYSTEM | | |
| 21.1 | Supplying, installation, testing and commissioning of driver face and automatic number plate recording system / recognition system Including high resolution camera and software set for the driver face capture and automatic number plate recording | per set | 725000 |
| 22 | BAGGAGE SCANNERS | | |
| 22.1 | Baggage scanner small: computer based multi energy X-Ray baggage inspection system mounted on castor wheels capable of passing through bags of dimensions 540 mm (W) x 350 mm (H), belt height 750 mm to 850 mm, 22"/24 LCD Monitor, Input / Output rollers with frames | per unit | 2125000 |
| 22.2 | Baggage scanner big: computer based multi energy X-Ray baggage inspection system capable of passing through bags/parcels of dimension 940mm (W) x 640mm (H) with Belt Height – 750mm –850mm with 22"/24" LCD Monitor, Input/ Output rollers with frames | per unit | 3500000 |
| 23 | DOOR FRAME METAL DETECTOR | | |
| 23.1 | 20 zone or above door frame metal detector nominal size: 760 mm (W) x 2050 mm (H) x 700 mm (D) loaded with necessary software | per set | 350000 |

ANNEXURES E DSR

| Code No. | Description | Unit | Rate ₹ |
|----------|--|------|--------|
| | bar hydrostatic pressure. The crystalline admixture shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. | kg | 387.20 |
| 22.22A | Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge. | sqm | 415.65 |
| 22.23 | Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. | sqm | 484.45 |
| | 22.23.1 For vertical surface two coats @ 0.70 kg per sqm | sqm | 373.40 |
| | 22.23.2 For horizontal surface one coat @1.10 kg per sqm. | sqm | 444.80 |
| 22.23A | Providing & Applying polymer modified, flexible cementitious negative side waterproofing coating with elastic waterproofing polymers on interior wall plaster surface in three coats @14.35 kg /10 sqm. one coat of self priming of cementitious waterproofing polymer(dilution with water in the ratio of 1:1) and two coats of cementitious waterproofing polymer (dilution with water in the ratio of 3:1) after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible, complete in all respect as per the direction of Engineer-in-Charge. | sqm | |
| 22.24 | Providing and applying integral crystalline (dry shake) of hydrophilic in nature for waterproofing treatment to the RCC structures like basement raft, foundation slab, sewage & water treatment plant slab, warehouses floor, parking structures and water tank base slab etc. sprinkled @0.60kg per sqm or higher as recommended by the manufacturer's specification over the lean concrete of above cited structures. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more | 392 | |

| Code No. | Description | Unit | Rate ₹ |
|----------|---|------|---------|
| | 5. Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test, Tests to be conducted on site. 6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000 ml | sqm | 2949.30 |
| 25.3 | <p>Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor.</p> <p>(Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.25.2)</p> <p>For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.</p> <p>(i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m² degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.</p> | sqm | 3250.95 |
| 25.4 | Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. | sqm | 3163.10 |
| 25.5 | Providing, fabricating and supplying shadow box of required size and shape, for fixing in the spandrel portion of the structural glazing, in linear as well as curvilinear portions of the building by providing semi-rigid, inorganic, non-combustible fibre glass wool insulation 50 mm thick, conforming to IS: 8183 and BS: 3958 Part 5. The insulation layer shall have facing (factory bonded on surface # 1 of the fibre glass insulation layer), of black non-woven fibre glass tissue of nominal thickness 0.5 mm and nominal mass not less than 60 gm /sqm, made of randomly oriented glass fibres distributed in a binder by a | | |

| Code No. | Description | Unit | Rate ₹ |
|----------|---|------|---------|
| | rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. | | |
| 26.23.1 | With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles | sqm | 1952.70 |
| 26.24 | Providing and fixing in position wall panelling at all heights with integral densified calcium silicate panels/tiles of size 595 x 595mm, having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity <0.043 W/m K as per ASTM 518:1991, comprising of a frame made from especially fabricated galvanised mild steel sheet 0.50 mm thick pressed section (galvanizing @120 grams per sqm including both sides) i.e.vertical studs of size 48 x 34 x 36 mm are placed at 600mm center to center in a floor and ceiling channel section of size 50 x 32m fixed to the floor and soffit at 600mm centers using 12mm dia,50mm long wedge type expanded zinc alloy dash fastner with 10mm bolt. This same channel is then to be fixed in horizontal direction at 600mm center to center so as to form a grid of 600mm x 600mm. Glasswool of 50mm thickness is then to be inserted in the slots and finally calcium silicate non combustible panels/tiles are to be screw fixed with self tapping pan head nickel coated mild steel screws of size 13 x 3.2mm on to this grid leaving an even groove of 1 mm between the panels. The joints between the panels are to be duly jointed and finished using recommended jointing calcium silicate based compound and fiber joint tape roll 50mm wide (90 metre)roll and two coats of primer suitable for panelling as per manufacturer's specification as per direction of Engineer-in-Charge all complete. | | |
| 26.24.1 | With 15 mm thick fully perforated square/butt edge light weight calcium silicate panels/ tiles | sqm | 2736.80 |
| 26.25 | Providing and fixing 15 mm thick false ceiling tiles at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity <0.043 W/m K as per ASTM 518:1991,in true horizontal level on the existing frame work consisting of T-sections and Lsections suitably fixed according to tile size as per direction of Engineer-in-charge. | sqm | 1379.10 |
| 26.26 | Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light | | |

| Code No. | Description | Unit | Rate ₹ |
|----------|--|------|---------|
| | etc at a pressure not less than 1 bar (100KN/m ²) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge. | sqm | 2318.90 |
| 26.67 | Providing and fixing of external thermal insulation and composite system with First layer of self-extinguishing type Expanded Polystyrene (EPS) insulation boards of 120 mm thick (max 1mX0.5m section), confirming to IS 4671:1984, having thermal conductivity of 0.034 W/mK, (measured as per IS 3346-1980), density of 20-24 kg/m ³ measured as per IS 5688-1982, Fire retardant property self-extinguishing type as per EN 13501-1, bonded with special polymer modified cementitious adhesive confirming to EOTA ETAG 004 (European Technical Approval) formulated to bond polystyrene insulation boards to typical mineral substrate (according to ETAG 004) and Polypropylene mechanical fasteners with plastic pin confirming to EOTA ETAG 014 (European Technical Approval) having dia 10mm & L=200mm on finished level wall and the junction between two adjacent EPS boards to be sealed with low expansion moisture cure Polyurethane Foam. Second layer consists of Fiberglass mesh covered with alkali-resistant coating, mass per unit area \geq 145 gm/m ² , mesh size: 3.9x4.0 mm \pm 10% embedded in special polymer modified cementitious Base Coat with hydrophobes and the corners will be protected with Corner-beads with alkali-resistant mesh wings at least 10 cm wide, mesh mass per unit area min 145 gm/m ² . The surface will be levelled, finished, made smooth complete in all respect as per manufactures specification and as per directions of Engineer-in-Charge. | sqm | 3366.60 |
| 26.68 | Providing and laying factory made Precast concrete solid blocks of 200 mm thickness of grade M10 made of C&D waste from approved manufacturer in foundation and plinth in: | cum | 5808.25 |
| 26.68.1 | Cement mortar 1:6 (1 cement : 6 coarse sand) | cum | 5808.25 |
| 26.69 | Providing and laying factory made Precast concrete solid blocks of 200 mm thickness of grade M10 made of C&D waste from approved manufacturer in superstructure above plinth level up to floor V level | cum | 7590.90 |
| 26.69.1 | Cement mortar 1:6 (1 cement : 6 coarse sand) | cum | 7590.90 |
| 26.70 | Providing and laying half block masonry with factory made Precast concrete solid blocks of 100 mm thickness of grade M10 made of C&D waste from approved manufacturer in foundation and plinth in: | cum | 695.40 |
| 26.70.1 | Cement mortar 1:4(1 cement : 4 coarse sand) | sqm | 695.40 |
| 26.71 | Providing and laying half block masonry with factory made Precast concrete solid blocks of 100 mm thickness of grade M10 made of C&D waste from approved manufacturer in superstructure above plinth level up to floor V level: | sqm | 853.75 |
| 26.71.1 | Cement mortar 1:4 (1 cement : 4 coarse sand) | sqm | 853.75 |

| Code No. | Description | Unit | Rate ₹ |
|----------|--|---------|----------|
| 0365 | Soft brush | each | 20.00 |
| 0367 | Portland Cement (OPC-43 Grade) | tonne | 4940.00 |
| 0368 | White Cement | tonne | 11200.00 |
| 0369 | Plastic sheet, 1.25 mm thick for dowel bars | sqm | 25.00 |
| 0370 | Coal (steam) | quintal | 440.00 |
| 0371 | Sealant primer | kg | 130.00 |
| 0373 | Cramp Gun metal 25x6x300 mm | each | 80.00 |
| 0374 | Pre moulded Joint filler, 25 mm thick for expansion joint. | sqm | 400.00 |
| 0378 | Brass butt hinges (light/ordinary type) : 125x70x4 mm | 10 Nos | 775.00 |
| 0379 | Brass butt hinges (light/ordinary type) : 100x70x4 mm | 10 Nos | 625.00 |
| 0380 | Brass butt hinges (light/ordinary type) : 75x40x2.5 mm | 10 Nos | 380.00 |
| 0381 | Brass butt hinges (light/ordinary type) : 50x40x2.5 mm | 10 Nos | 155.00 |
| 0382 | Brass butt hinges (heavy type) : 125x85x5.5 mm(0.70 kg) | 10 Nos | 1309.00 |
| 0383 | Brass butt hinges (heavy type) : 100x85x5.5 mm(0.56 kg) | 10 Nos | 997.00 |
| 0384 | Brass butt hinges (heavy type) : 75x65x4.0 mm (weighing not less than 0.20 kg) | 10 Nos | 838.00 |
| 0385 | Brass parliamentary hinges 150x125x27x5 mm | 10 Nos | 2610.00 |
| 0386 | Brass parliamentary hinges 125x125x27x5 mm | 10 Nos | 2300.00 |
| 0387 | Brass parliamentary hinges 100x125x27x5 mm | 10 Nos | 2090.00 |
| 0388 | Brass parliamentary hinges 75x100x20x3.2 mm | 10 Nos | 1870.00 |
| 0389 | Brass single acting spring hinges 150 mm | each | 425.00 |
| 0390 | Brass single acting spring hinges 125 mm | each | 285.00 |
| 0391 | Brass single acting spring hinges 100 mm | each | 250.00 |
| 0392 | Brass double acting spring hinges 150 mm | each | 480.00 |
| 0393 | Brass double acting spring hinges 125 mm | each | 400.00 |
| 0394 | Brass double acting spring hinges 100 mm | each | 390.00 |
| 0400 | Brass tower bolt (barrel type) 250x10 mm | each | 257.00 |
| 0401 | Brass tower bolt (barrel type) 200x10 mm | each | 205.00 |
| 0402 | Brass tower bolt (barrel type) 150x10 mm | each | 154.00 |
| 0403 | Brass tower bolt (barrel type) 100x10 mm | each | 103.00 |
| 0404 | Brass flush bolt 250 mm | each | 150.00 |
| 0405 | Brass flush bolt 150 mm | each | 130.00 |
| 0406 | Brass flush bolt 100 mm | each | 90.00 |
| 0408 | Brass handles 125 mm with plate 175x32 mm | each | 144.00 |
| 0409 | Brass handles 100 mm with plate 150x32 mm | each | 133.00 |
| 0410 | Brass handles 75 mm with plate 125x32 mm | each | 103.00 |
| 0411 | Brass door latch 300x16x5 mm weighing not less than 0.380 kg | each | 185.00 |
| 0412 | Brass door latch 250x16x5 mm weighing not less than 0.350 kg | each | 175.00 |
| 0413 | Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles | each | 400.00 |
| 0414 | Brass mortice latch 100x65mm with a pair of brass lever handles | each | 310.00 |
| 0417 | Brass 150 mm floor door stopper weighing not less than 0.357kg | each | 160.00 |
| 0418 | Brass hard drawn hooks and eyes 300 mm | 10 Nos | 600.00 |
| 0419 | Brass hard drawn hooks and eyes 250 mm | 10 Nos | 574.00 |
| 0420 | Brass hard drawn hooks and eyes 200 mm | 10 Nos | 510.00 |
| 0421 | Brass hard drawn hooks and eyes 150 mm | 10 Nos | 400.00 |
| 0422 | Brass hard drawn hooks and eyes 100 mm | 10 Nos | 345.00 |
| 0423 | Brass casement window fastener | each | 45.00 |

ANNEXURE A1

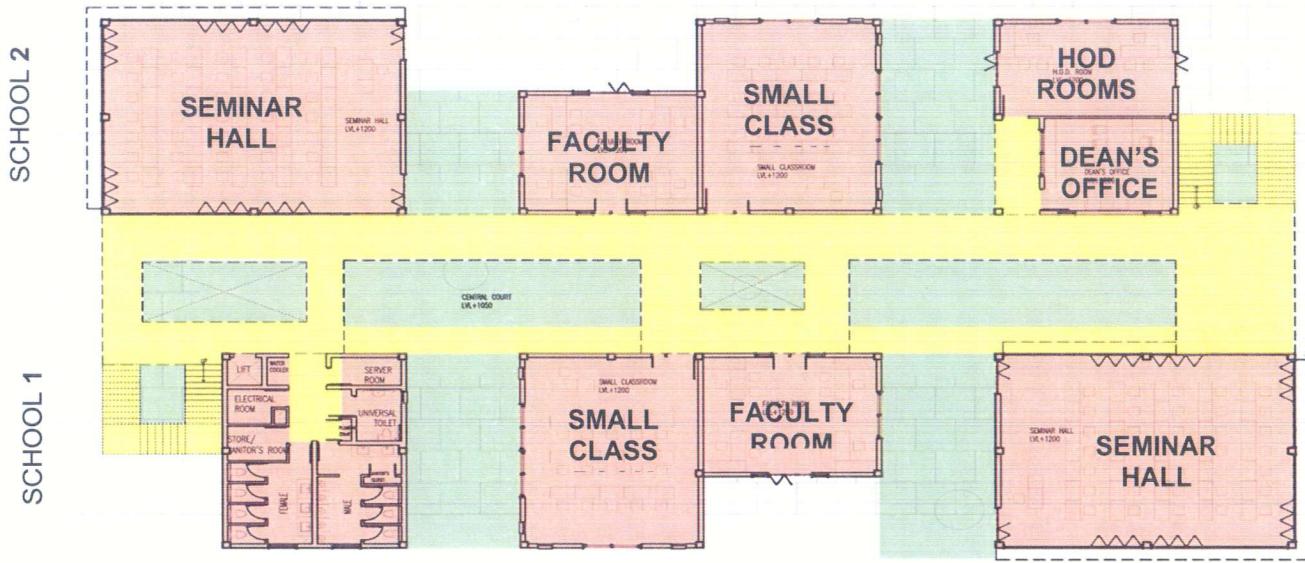
PHASE 1

SCHEMATIC AREA DIAGRAMS

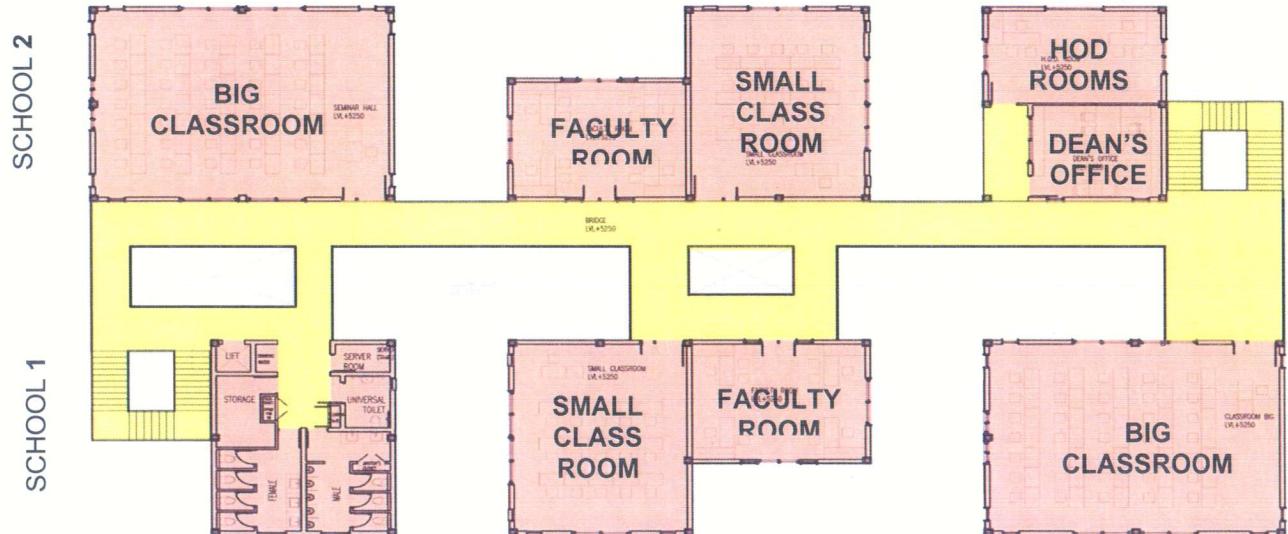
Schools of Learning 1 & 2

Build up Area (covered + semi covered): 17,800 sq ft

- Covered Area
- Circulation Area
- Landscape Area



Ground Floor Plan



First Floor Plan

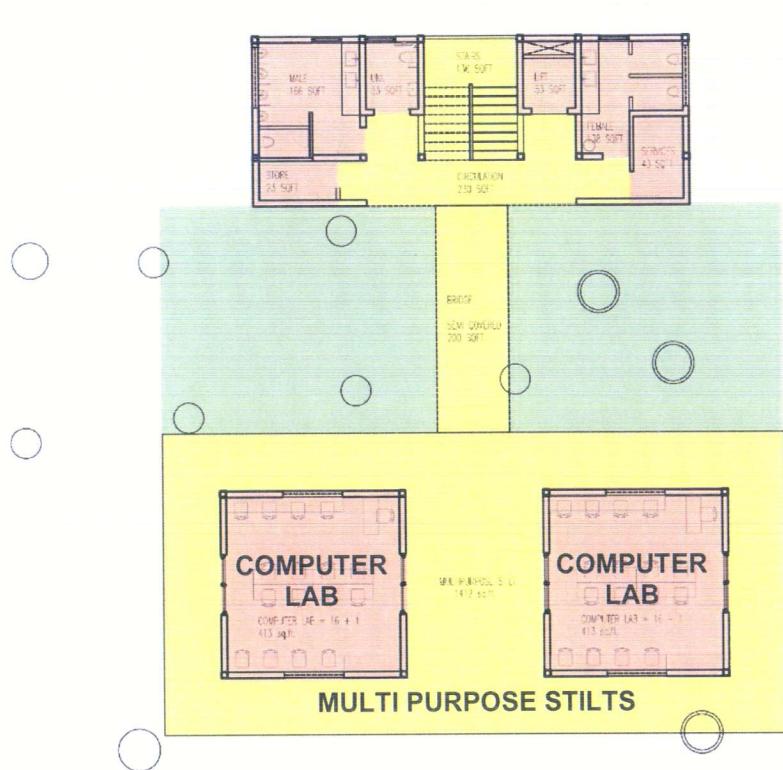


Phase 1

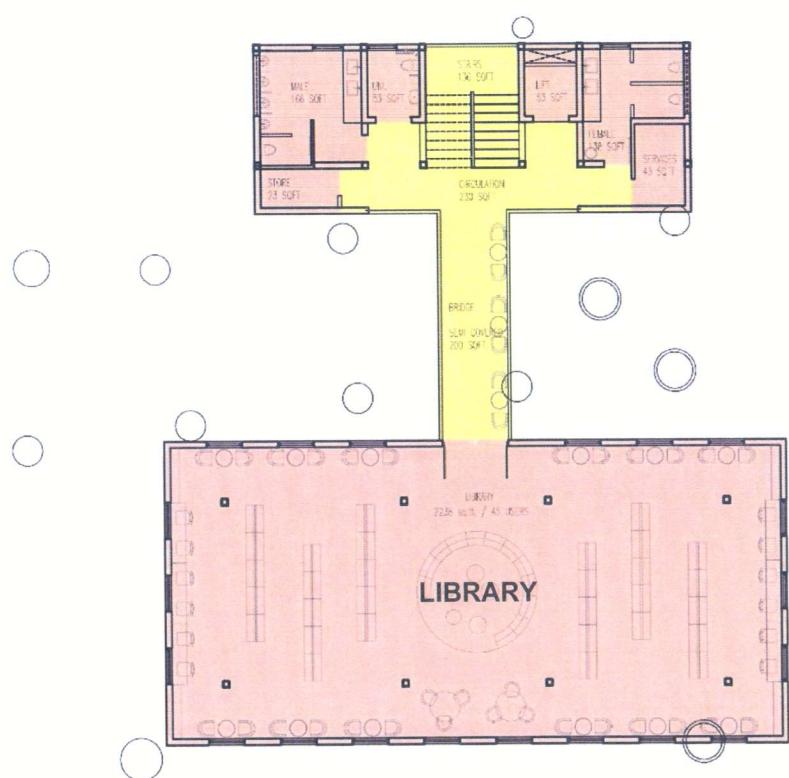
Library + Computer Labs

Build up Area (covered + semi covered): 6205 sq ft

-  Covered Area
-  Circulation Area
-  Landscape Area



Ground Floor Plan



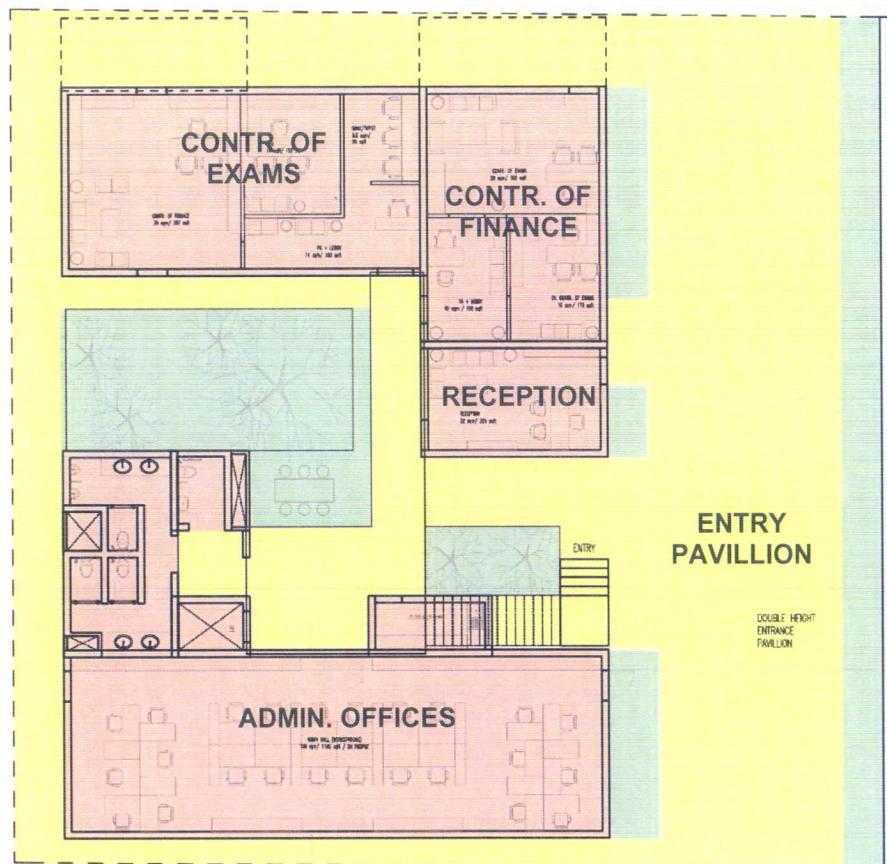
First Floor Plan

Phase 1

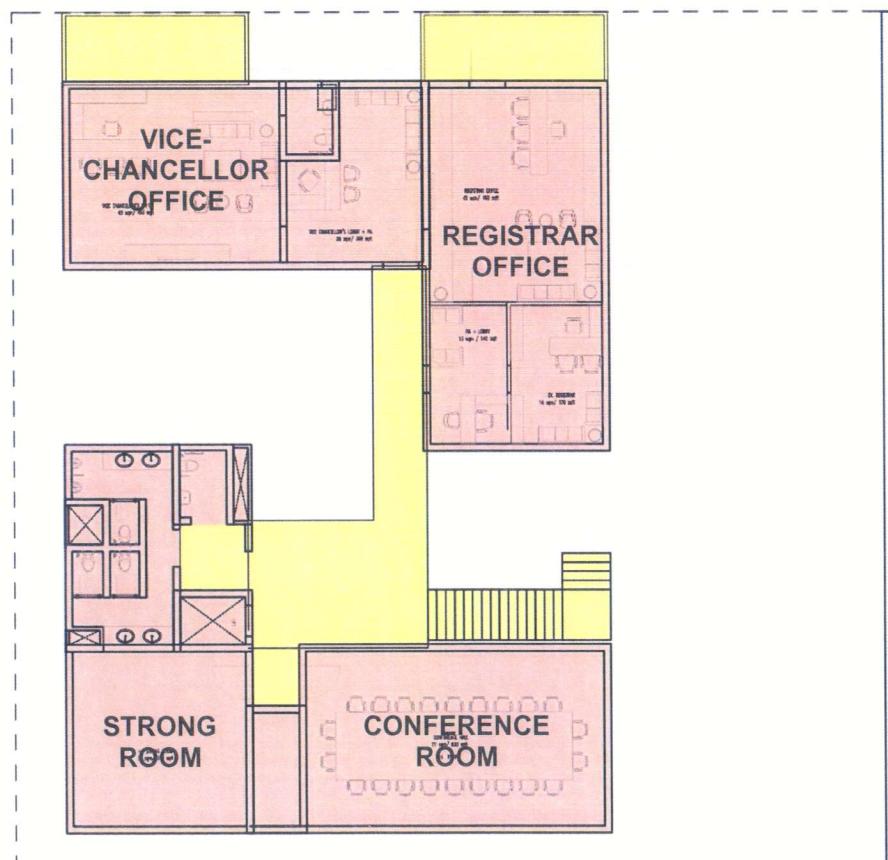
Admin Blocks

Build up Area (covered + semi covered) : 10860 sq ft

- Covered Area
- Circulation Area
- Landscape Area



Ground Floor Plan



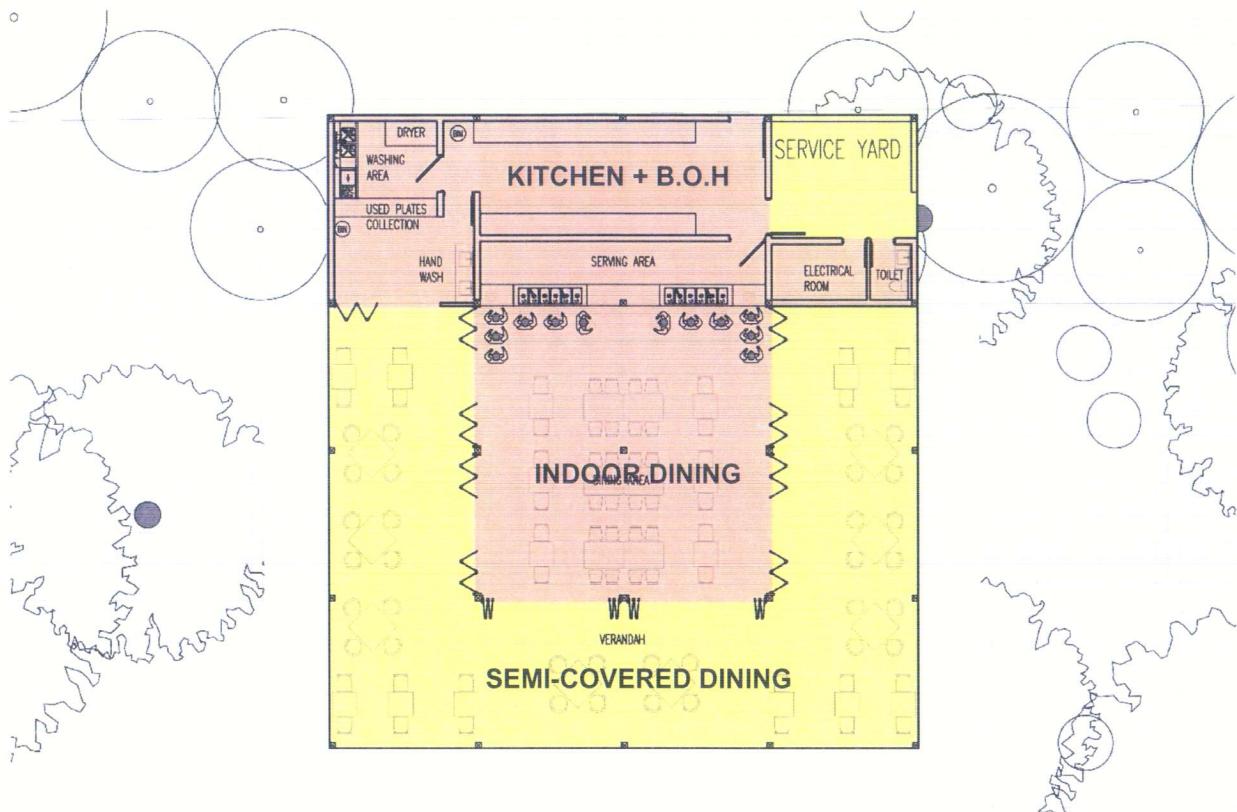
First Floor Plan

Phase 1

Canteen

Build up Area (covered + semi covered) : 6000 sq ft

- Covered Area
- Circulation Area
- Landscape Area



Ground Floor Plan

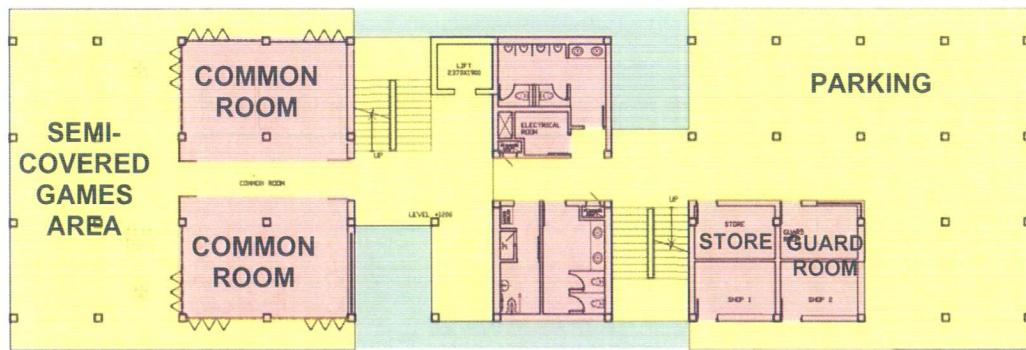
Phase 1

Students Housing + Scholars Hostel (Block 1)

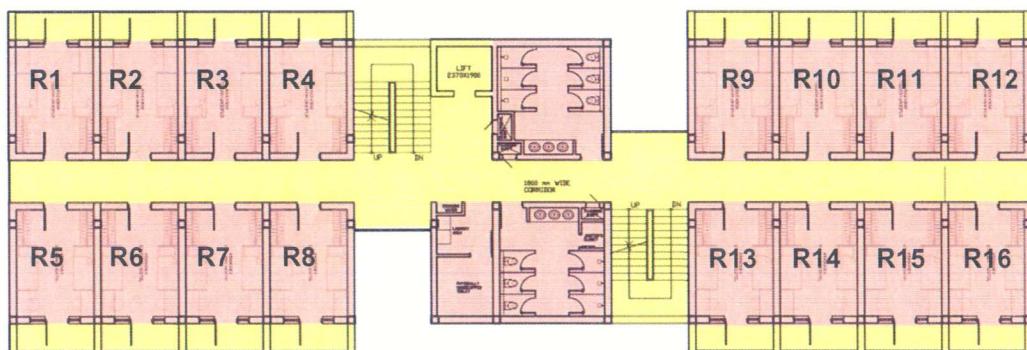
Total Build up Area (covered + semi covered): 32070 sq ft

- Covered Area
- Circulation Area
- Landscape Area

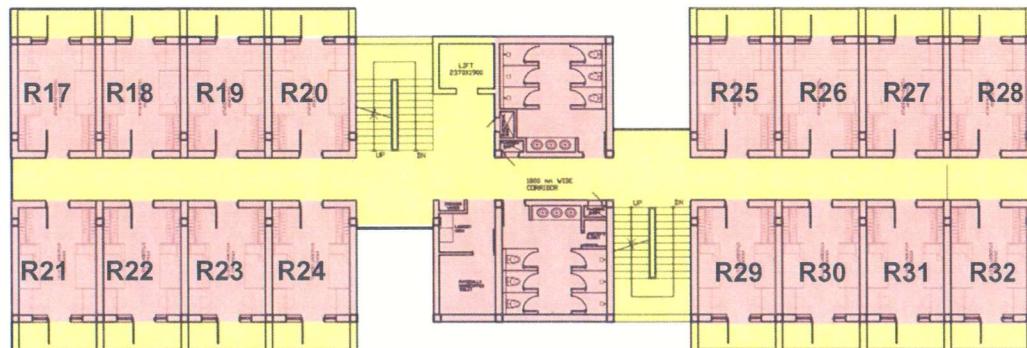
Student's Housing – Block 1



Ground Floor Plan



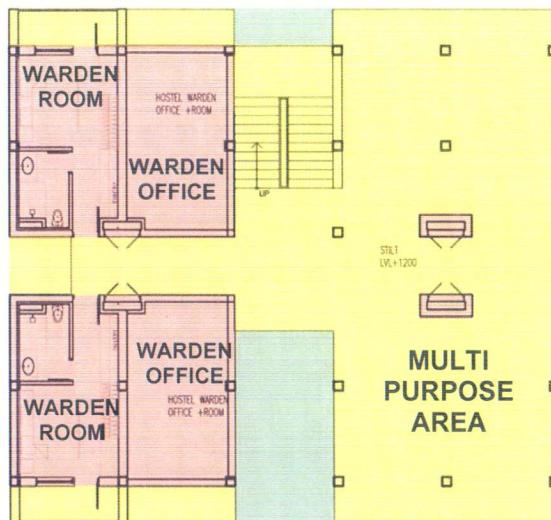
First Floor Plan



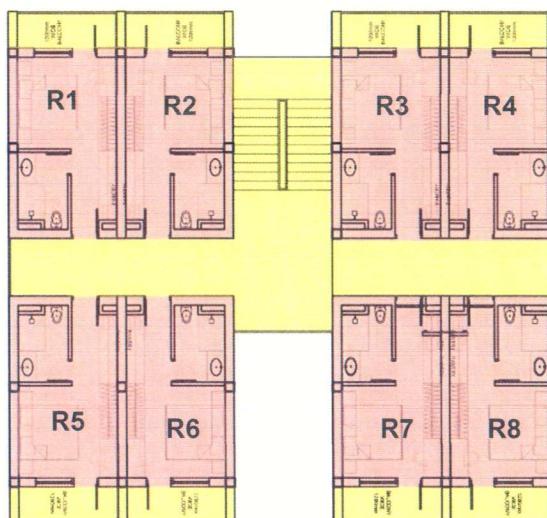
Second Floor Plan

Scholar's Housing – Block 1

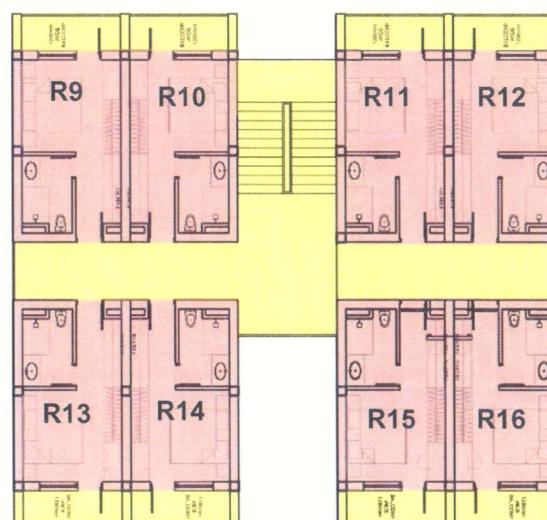
● Covered Area
● Circulation Area
● Landscape Area



Ground Floor Plan



First Floor Plan



Second Floor Plan

PHASE 2

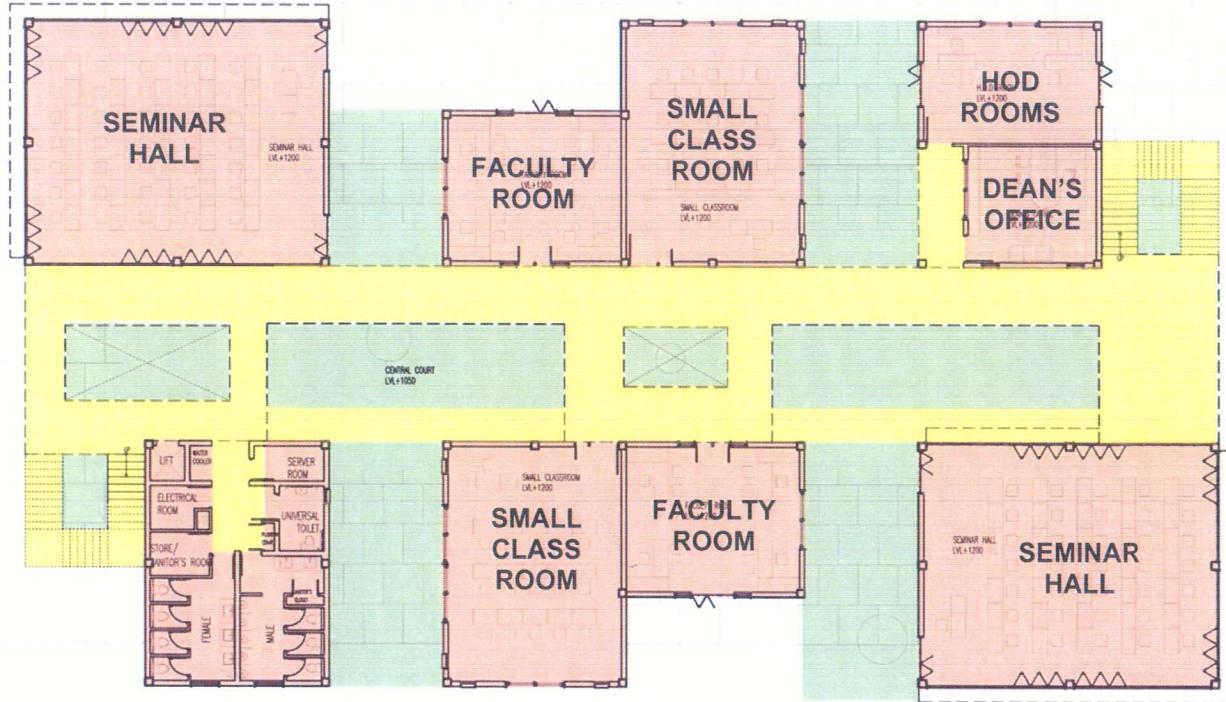
AREA DIAGRAMS

- Covered Area
- Circulation Area
- Landscape Area

Schools of Learning 3 & 4

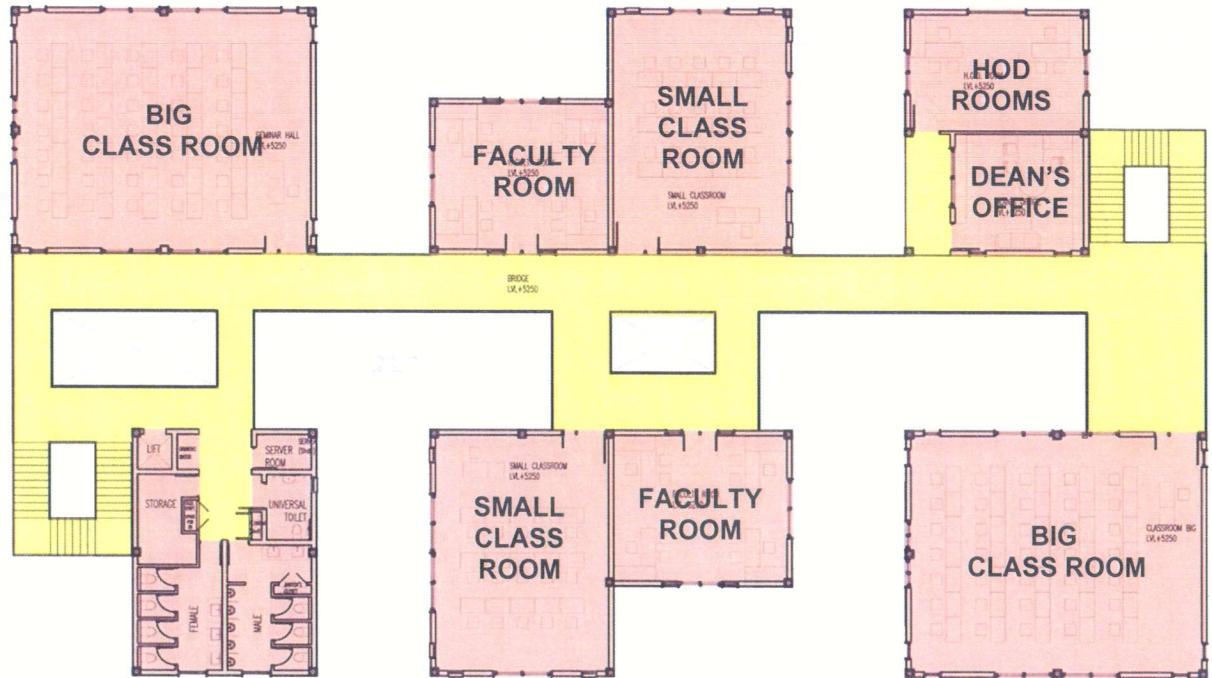
Build up Area (covered + semi covered) : 17,800 sq ft

SCHOOL 4



Ground Floor Plan

SCHOOL 4



First Floor Plan

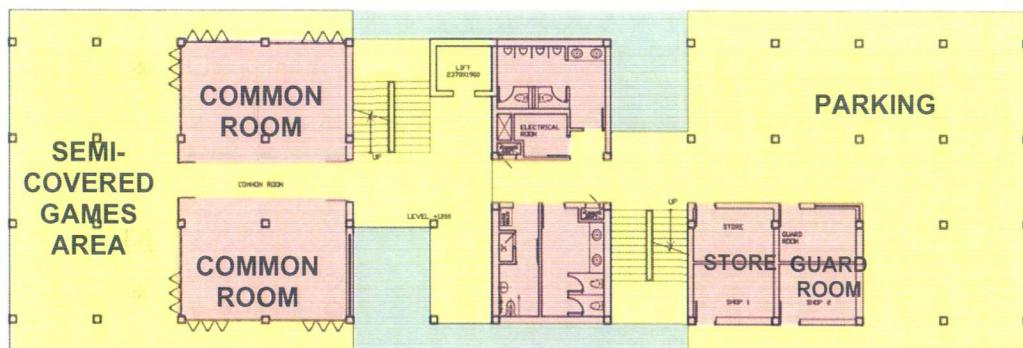
Phase 2

Students Housing + Scholars Hostel (Block 2)

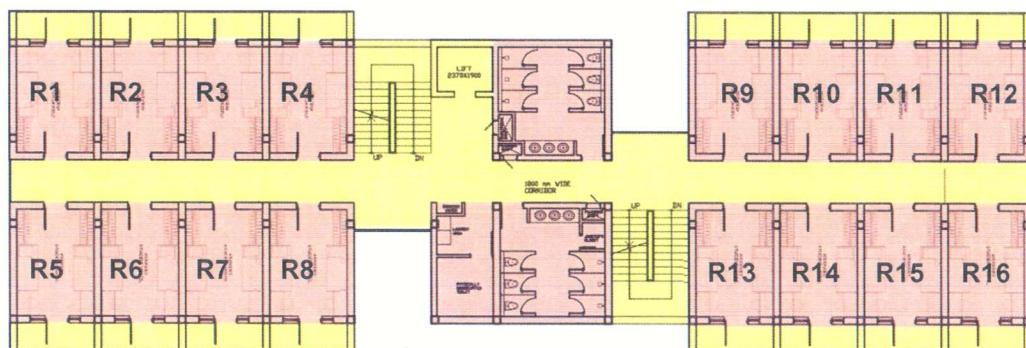
Total Build up Area (covered + semi covered) : 32070 sq ft

- Covered Area
- Circulation Area
- Landscape Area

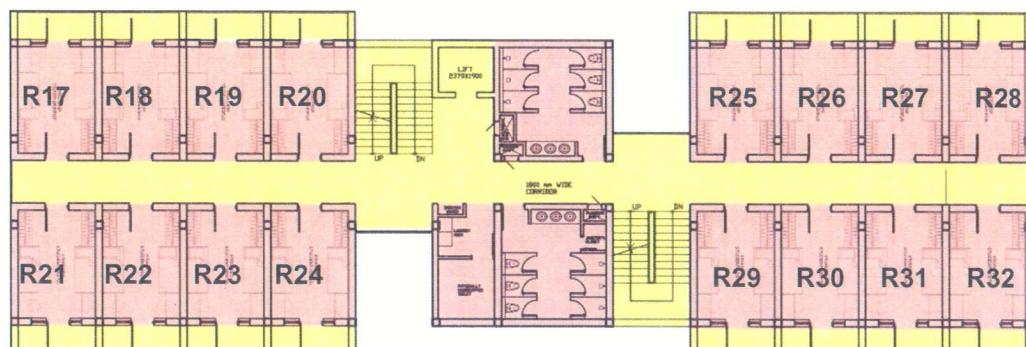
Student's Housing – Block 2



Ground Floor Plan



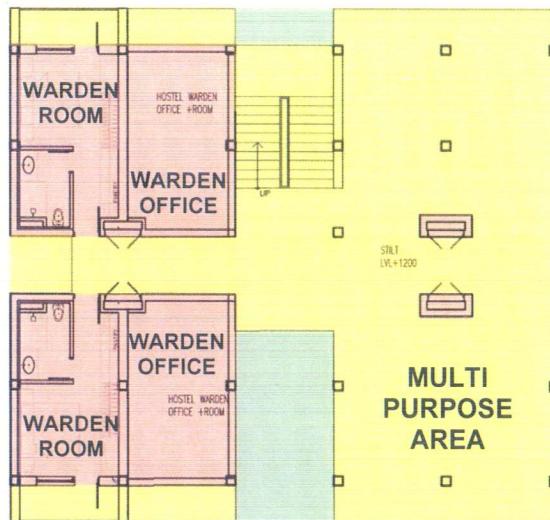
First Floor Plan



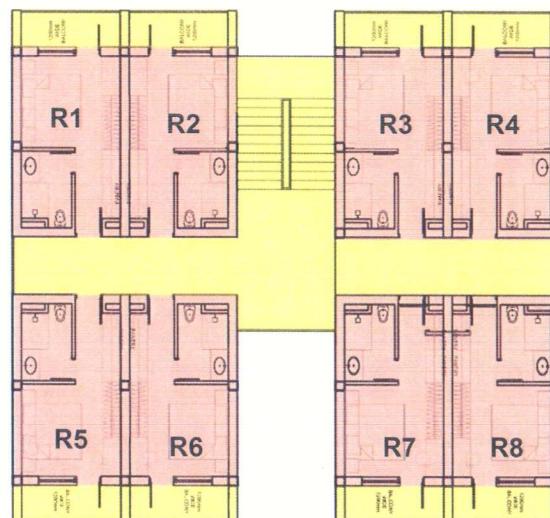
Second Floor Plan

Scholar's Housing – Block 2

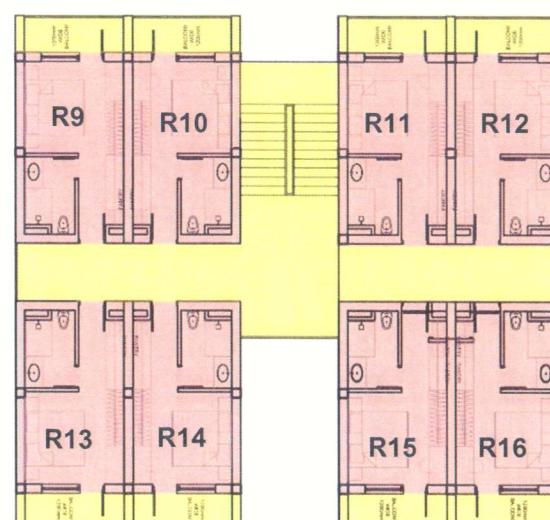
● Covered Area
● Circulation Area
● Landscape Area



Ground Floor Plan



First Floor Plan



Second Floor Plan

RESIDENTIAL ZONE

RECREATIONAL ZONE

INSTITUTIONAL ZONE

CULTURAL ZONE

AUDITORIUM

