

**BILL OF QUANTITY FOR THE PROPOSED CONSTRUCTION OF ADDITIONAL  
PRIMARY HEALTH CENTER, MAINGRAM, BLOCK- BELAGANJ, DIST- GAYA  
(BIHAR)**

ESTIMATE AMOUNT RS.- 6542500.00

**CIVIL WORK**

| S. No. | Item No. | Description   | Unit | Quantity | Rate in Fig. Rs. P | Rate in Words   |
|--------|----------|---|------|----------|--------------------|---|
| 1      | 2.8      | Earth work in excavation in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. | cum  | 364.17   | 160.60             | Rupees One Hundred Sixty and Sixty Paise Only             |
|        | 2.8.1    | All kinds of soil   |      |          |                    |   |
| 2      | 2.27     | Extra for every additional lift of 1.5 m or part thereof in :   | cum  | 120.06   | 21.40              | Rupees Twenty One and Fourty Paise Only                   |
|        | 2.27.1   | Ali kinds of soil.  |      |          |                    |   |
| 3      | 2.26     | Filling available excavated earth (exclude rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth consolidating each oeposited layer by ramming and watering lead  | cum  | 417.17   | 51.80              | Rupees Fifty One and Eighty Paise Only                    |
| 4      | 2.28     | Supplying and filling in plinth with local sand under floors including, watering, ramming consolidating and dressing complete.  | cum  | 77.94    | 180.20             | Rupees One Hundred Eighty and Twenty Paise Only           |
| 5      | 2.35     | Supplying chemical emulsion in sealed containers including delivery as specified.   | Lit  | 98.82    | 187.70             | Rupees One Hundred Eighty Seven and Seventy Paise Only    |
|        | 2.35.1   | Chlorpyriphos/Lindone emulsifiable concentrate of 20%   |      |          |                    |   |
| 6      | 6.1A     | Brick work with bricks of class designation 100A in foundation and plinth in:   | cum  | 135.68   | 3,035.40           | Rupees Three Thousand Thirty Five and Fourty Paise Only   |
|        | 6.1.14A  | cement mortar 1:6 (1 cement : 6 coarse sand)  |      |          |                    |   |
| 7      | 6.3A     | Extra for Brick work in superstructure above plinth level upto floor V cum.   | cum  | 118.24   | 341.70             | Rupees Three Hundred Fourty One and Seventy Paise only    |
| 8      | 6.18A    | Half brick masonry with brick of class designation 100A in foundation and plinth.   | sqm  | 331.55   | 378.70             | Rupees Three Hundred Seventy Eight and Seventy Paise Only |
|        | 6.18.4A  | Cement motar 1:4 (1cement : 4coarse sand)   |      |          |                    |   |
| 9      | 6.19A    | Extra for half brick masonry in superstructure above plinth level upto V floor level.   | sqm  | 331.55   | 37.30              | Rupees Thirty Seven and Thirty Paise Only                 |
| 10     | 6.21A    | Extra for providing and placing in position 2Nos. 6mm dia. MS bars at every third third course of half brick masonry (with F.P.S. brick)  | sqm  | 331.55   | 74.50              | Rupees Seventy Four and Fifty Paise Only                  |
| 11     | 4.5      | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shutering-all work upto plinth level.   | cum  | 40.12    | 3,037.30           | Rupees Three Thousand Thirty Seven and Thirty Paise Only  |
|        | 4.5.4    | 1:2:4 ( 1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size)  |      |          |                    |   |

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|        | 4.5.8         | 1:4:8 ( 1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size)  | cum  | 34.04    | 2,144.80           | Rupees Two Thousand One Hundred Fourty Four and Eighty Paise Only     |
| 12     | 5.42          | Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centering, shuttering finishing and reinforcement, M-20grade reinforced cement concrete. |      |          |                    |   |
| (a)    | 5.42.1        | All work upto plinth level  | cum  | 67.84    | 3,708.80           | Rupees Three Thousand Seven Hundred Eight and Eighty Paise Only       |
| (b)    | 5.42.2        | All work from plinth level upto floor V level   | cum  | 18.04    | 3,928.90           | Rupees Three Thousand Nine Hundred Twenty Eight and Ninety Paise Only |
|        | 5.42.2.1      | Walls, columns, pillars, posts and struts   |      |          |                    |   |
| (c)    | 5.42.2.2      | Beams, plinth beams, girders, bressumers, cantilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc.  | cum  | 133.82   | 4,102.10           | Rupees Four Thousand One Hundred Two and Ten Paise Only               |
| 13     | 5.44          | Add or deduct for providing richer or leaner mixes respectevly at all floor levels.   | cum  | 219.70   | 161.60             | Rupees One Hundred Sixty One and Sixty Paise Only                     |
|        | 5.44.1        | Providing M-25 grade R.C.C. instead of M-20 grade R.C.C.  |      |          |                    |   |
| 14     | Code No. 7318 | Plasticizer/super plasticizer   | kg   | 1,098.50 | 36.50              | Rupees Thirty Six and Fifty Paise Only                                |
| 15     | 5.14          | Centring and shuttering including strutting, propping etc. and removal of form for:   |      |          |                    |   |
| (a)    | 5.14.1        | Foundations, footings, bases of columns etc. for mass concrete.   | sqm  | 164.08   | 127.66             | Rupees One Hundred Twenty Seven and Sixty Six Paise Only              |
| (b)    | 5.14.3        | Suspended floors, roofs, landings, balconies and access platform.   | sqm  | 486.16   | 205.00             | Rupees Two Hundred Five Only  |
| (c)    | 5.14.5        | Lintels, beams, plinth beams, girders, bressumers and cantilevers.  | sqm  | 700.64   | 173.20             | Rupees One Hundred Seventy Three and Twenty Paise Only                |
| (d)    | 5.14.6        | Columns, Pillars, Piers, Abutments, Posts and Struts  | sqm  | 380.60   | 260.60             | Rupees Two Hundred Sixty and Sixty Paise Only                         |
| (e)    | 5.14.17       | Edges of slabs and breaks in floors and walls   | m    | 53.73    | 73.10              | Rupees Seventy Three and Ten Paise Only                               |
|        | 5.14.17.1     | Under 20 cms wide   |      |          |                    |   |

Project Engineer  
(BMSICL)

G.M. Work  
(BMSICL)

ABSTRACT (CIVIL WORK)-2

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|--------|----------|--|------|----------|--------------------|---|
| 16     | 5.29     | Reinforcement for R.C.C work including straighting,cutting bending,Placing in position and binding all complets.   |      |          |                    |   |
| (a)    | 5.29.7A  | Thermo-Mechanically Treated bars TMTC-500-8mm dia  | kg   | 3,517.54 | 72.40              | Rupees Seventy Two and Fourty Paisa Only                          |
| (b)    | 5.29.7B  | Thermo-Mechanically Treated bars TMTC-500-10mm dia   | kg   | 147.13   | 72.40              | Rupees Seventy Two and Fourty Paisa Only                          |
| (c)    | 5.29.7C  | Thermo-Mechanically Treated bars TMTC-500-12mm dia   | kg   | 2,029.19 | 71.30              | Rupees Seventy One and Thirty Paisa Only                          |
| (d)    | 5.29.7D  | Thermo-Mechanically Treated bars TMT Fe-500-16mm dia   | kg   | 5,472.82 | 71.80              | Rupees Seventy One and Eighty Paisa Only                          |
| (e)    | 5.29.7E  | Thermo-Mechanically Treated bars TMT Fe-500-20mm dia   | kg   | 98.52    | 71.30              | Rupees Seventy One and Thirty Paisa Only                          |
| 17     | 11.72    | Providing desination 100 A one brick flat soling joints filled with local sand including cost of watering texes, roualty all complete as per building specification and direction of E/l.  | sqm  | 401.37   | 170.20             | Rupees One Hundred Seventy and Twenty Paisa Only                  |
| 18     | 11.76    | Providing average 150mm thick dry rammed khoa beaten to 112 mm (compacted with water) made of well burnt or jhama bricks including ramming property till compacted thickness is achieved, curing and carriage of water with all leads, making proper slope and blinding the with cement mortar(1:10)all complete as per building specification and direction of E/l. | sqm  | 401.37   | 234.10             | Rupees Two Hundred Thirty Four and Ten Paisa Only                 |
| 19     | 9.24     | Providing and fixing flush door shutters decorative type, core of block board construction with frame of 1st class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.   | sqm  | 52.20    | 2,189.70           | Rupees Two Thousand One Hundred Eighty Nine and Sevety Paisa Only |
|        | 9.24.2   | 35 mm thick including Stainless Steel butt hinges with necessary screws.   |      |          |                    |   |
| 20     | 9.25     | Providing and fixing flush door shutters non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:   | sqm  | 21.16    | 1,603.10           | Rupees One Thousand Six Hundred Three and Ten Paisa Only          |
|        | 9.25.2   | 35 mm thick including Stainless Steel butt hinges with necessary screws.   |      |          |                    |   |

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|--------|----------|--|------|----------|--------------------|--|-------|-------|--|
| 21     | 9.34     | Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (overall area of door shutter to be measured)  | sqm  | 73.36    | 328.50             | Rupees Three Hundred Twenty Eight and Fifty Paise Only |       |       |  |
| 22     | 9.87     | Providing 40 x 5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bots, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix ( 1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) | each | 198.00   | 65.00              | Rupees Sixty Five Only                                 |       |       |  |
| 23     | 9.100    | Providing and fixing M.S. sliding door bolts bright finished or/and black enamelled,with nuts and screws etc.compelled:  | each | 33.00    | 144.80             | Rupees One Hundred Fourty Four and Eighty Paise Only   |       |       |  |
|        | 9.100.1  | 300x16 mm  |      |          |                    |  |       |       |  |
| 24     | 9.146    | Providing and fixing bright finished brass handles with screws etc. complete.  | each | 66.00    | 152.60             | Rupees One Hundred Fifty Two and Sixty Paise Only      |       |       |  |
|        | 9.146.2  | 100 mm   |      |          |                    |  |       |       |  |
| 25     | 9.149    | Providing and fixing bright finished brass hangging type floor door stoper with necessary screws etc. compelte.  | each | 33.00    | 73.50              | Rupees Seventy Three and Fifty Paise Only              |       |       |  |
| 26     | 9.150    | Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. coplete.   | each | 8.00     | 639.20             | Rupees Six Hundred Thirty Nine and Twenty Paise Only   |       |       |  |
| 27     | 9.219    | Providing and fixing aluminium sliding tower bolt (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts screws etc. necessary screws etc. complete.   | each |          |                    |  |       |       |  |
|        | 9.219.1  | 300 x 10 mm  |      |          |                    |  | 35.00 | 99.50 | Rupees Ninety Nine and Fifty Paise Only  |
|        | 9.219.4  | 150 x 10 mm  |      |          |                    |  | 32.00 | 58.40 | Rupees Fifty Eight and Fourty Paise Only |

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|--------|----------|--|------|----------|--------------------|---|
| 28     | 24.1     | Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS: 733 and IS: 1285, anodised transparent or dyed to required shade according to IS: 1868. (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free straight, mitred and jointed mechanically wherever required including cleat angle. Aluminium snap beading for glazing/paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately.) | kg   | 623.16   | 360.42             | Rupees Three Hundred Sixty and Fourty Two Paise Only              |
|        | 24.1.2   | For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately)   |      |          |                    |   |
| 29     | 24.3     | Providing and fixing glazing in aluminium door, window, ventilator shutters and partions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap bading shall be paid in basic item.)   | sqm  | 51.93    | 851.00             | Rupees Eight Hundred Fifty One Only                               |
|        | 24.3.2   | With glass panes of 5.50 mm thickness (weight not less than 13.75 kg / sqm)  |      |          |                    |   |
| 30     | 8.2      | Providing and fixing 20 mm thick mirror polished, machine cut for kitchen platforms, vanity counters facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing etc. complete at all levels   | sqm  | 5.84     | 2,573.10           | Rupees Two Thousand Five Hundred Seventy Three and Ten Paise Only |
|        | 8.2.6    | Granite black  |      |          |                    |   |
|        | 8.2.6.3  | Area of each slab over 0.2sqm but upto 0.5 sqm Granite of any colour and shade   |      |          |                    |   |

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ABSTRACT (CIVIL WORK)-5

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|--------|----------|---|---------|----------|--------------------|---|
| 31     | 8.3      | Extra for providing edge moulding to 19 mm thick marble stone counters, Vanities etc. over item no. 8.2 mm thick marble stone counters, Vanities etc. over item no. 8.2 including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-charge. Granite work  | m       | 9.73     | 199.30             | Rupees One Hundred Ninety Nine and Thirty Paise Only    |
|        | 8.3.2    | Granite black   |         |          |                    |   |
| 32     | 8.4      | Extra for fixing marble / granite stone over and above corresponding basic item, in fascia and drops of width upto 150 mm with epoxy resin based (Araldite or equivalent) adhesive including cleaning etc. complete.  | m       | 9.73     | 110.00             | Rupees One Hundred Ten Only                             |
| 33     | 8.5      | Extra for providing opening of required size & shape for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in marble/stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete.   | opening | 6.00     | 17.50              | Rupees Seventeen and Fifty Paise Only                   |
| 34     | 11.36    | Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except begundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12mm thick bed of Cement Mortar 1:3 (1 Cement:3 Coarse sand ) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. | sqm     | 174.03   | 783.60             | Rupees Seven Hundred Eighty Three and Sixty Paise Only  |
| 35     | 11.37    | Providing and laying Ceramic glazed floor tiles 300 x 300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20mm thick Cement Mortar 1:4 (1 Cement: 4 Coarse sand) including pointing the joints with white cement and matching pigment etc. complete.  | sqm     | 36.27    | 849.70             | Rupees Eight Hundred Fourty Nine and Seventy Paise Only |

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ABSTRACT (CIVIL WORK)-6

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|--------|----------|---|------|----------|--------------------|---|
| 36     | 11.41    | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorptions less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.                     | sqm  | 348.14   | 1,471.70           | Rupees One Thousand Four Hundred Seventy One and Seventy Paise Only |
|        | 11.41.2  | Size of Tile 60 x 60 cm   |      |          |                    |   |
| 37     | 11.46    | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. | sqm  | 27.50    | 1,339.20           | Rupees One Thousand Three Hundred Thirty Nine and Twenty Paise Only |
|        | 11.46.2  | Size of Tile 600x600 mm   |      |          |                    |   |
| 38     | 11.48    | Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.   | sqm  | 32.35    | 851.10             | Rupees Eight Hundred Fifty One and Ten Paise Only                   |
|        | 11.48.1  | 25mm thick  |      |          |                    |   |
| 39     | 11.49    | Kota stone slabs 25mm thick <b>in risers of steps skirting Dado &amp; pillars</b> laid on 12mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.   | sqm  | 66.03    | 1,048.20           | Rupees One Thousand Fourty Eight and Twenty Paise Only              |
| 40     | 13.11    | 12mm cement plaster of mix:   | sqm  | 1,377.19 | 72.10              | Rupees Seventy Two and Ten Paise Only                               |
|        | 13.11.4  | 1:6 (1 cement : 6 coarse sand)  |      |          |                    |   |
| 41     | 13.13    | 20mm cement plaster of mix :  | sqm  | 520.70   | 118.20             | Rupees One Hundred Eighteen and Twenty Paise Only                   |
|        | 13.13.2  | 1:4 (1 cement : 4 coarse sand)  |      |          |                    |   |
| 42     | 13.24    | 6mm cement plaster to ceiling of mix:   | sqm  | 470.23   | 61.80              | Rupees Sixty One and Eighty Paise Only                              |
|        | 13.24.2  | 1:4 (1 cement : 4 coarse sand)  |      |          |                    |   |
| 43     | 13.36    | Extra for providing and mixing water proofing material in proportion recommended by the manufacturers:  | sqm  | 520.70   | 5.50               | Rupees Five and Fifty Paise Only                                    |
|        | 13.36.6  | 20mm cement plaster 1:4(1 cement : 4 sand)  |      |          |                    |   |

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| 44     | 13.40A    | Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.  | sqm  | 1,847.42 | 63.80              | Rupees Sixty Three and Eighty Paise Only           |
| 45     | 13.92     | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade.  | sqm  | 1,847.42 | 47.10              | Rupees Fourty Seven and Ten Paise Only             |
|        | 13.92.1   | Two or more coat on new surface.  |      |          |                    |  |
| 46     | 13.94     | Painting with sythetic enamel paint of approved brand and manufacture to give an even shade.  | sqm  | 51.93    | 59.60              | Rupees Fifty Nine and Sixty Paise Only             |
|        | 13.94.1   | Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.   |      |          |                    |  |
| 47     | 13.77     | Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade  | sqm  | 1,847.42 | 48.30              | Rupees Fourty Eight and Thirty Paise Only          |
|        | 13.77.2   | New work (two or more coats) over and including priming coat with cement primer.  |      |          |                    |  |
| 48     | 13.47 DSR | Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade  | sqm  | 520.70   | 80.45              | Rupees Eighty and Fourty Five Paise Only           |
|        | 13.47.1   | New work (Two or more coats applied @ 1.43 ltr/ 10 sqm.over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sqm).  |      |          |                    |  |
| 49     | 12.33A    | Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4(1 cement :4 coarse sand )mixed with 2% integral water proofing compound laid over a bed of 20 mm thick cement mortar 1:4(1 cement::4 coarse sand )and finished neat complete   | sqm  | 72.83    | 439.00             | Rupees Four Hundred Thirty Nine Only               |
| 50     | 10.21     | Providing and fixing circular cast iron box for ceiling fan clamp 140mm internal dia, 73 mm height, 5 mm thick rim bottom and top lids, 1.5mm thick M.S sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron box by means of 3.3mm dia. round headed screws, one pcl at the corners. Clamp shall be made of 12mm dia M.S. bar bent to shape as per standard drawing. | each | 28.00    | 117.30             | Rupees One Hundred Seventeen and Thirty Paise Only |



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| 51   | 10.15    | Providing and fixing pressed steel door confirming IS code 351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge. | m        | 194.25   | 325.30           | Rupees Three Hundred Twenty Five and Thirty Paise Only                   |
|  | 10.15.1  | Profile B   |          |          |                  |  |
| 52   | 10.33    | Providing and fixing hand rail by welding etc. to steel ladder railings & staircases railing including applying a priming coat of approved steel primer   | kg       | 97.79    | 76.10            | Rupees Seventy Six and Ten Paise Only                                    |
|  | 10.33.1  | MS tube (medium) 40mm nominal bore  |          |          |                  |  |
| 53   | 9.82     | Providing and fixing M.S grills of required pattern in frames of windows etc. with M.S flats, square or round bars etc. all complete.   | kg       | 623.16   | 83.40            | Rupees Eighty Three and Fourty Paise Only                                |
|  | 9.82.1   | Fixed to steel windows by welding   |          |          |                  |  |
| <b>CARRIAGE OF MATERIALS (Including Loading, Unloading &amp; Stacking)</b> |          |   |          |          |                  |  |
| 54   | A        | Stone chips (110KM)*( to be paid actual)  | cum      | 263.37   | 1,123.97         | Rupees One Thousand One Hundred Twenty Three and Ninety Seven Paise Only |
| 55   | B        | Sand (25KM)*  | cum      | 201.93   | 355.01           | Rupees Three Hundred Fifty Five and One Paise Only                       |
| 56   | C        | Bricks(8 Km.)*  | Per 1000 | 103.64   | 548.93           | Rupees Five Hundred Fourty Eight and Ninety Three Paise Only             |
| 57   | E        | Local Sand.(3 Km)*  | cum      | 83.98    | 155.98           | Rupees One Hundred Fifty Five and Ninety Eight Paise Only                |
| 58   | F        | Cement 5 km*  | MT       | 107.20   | 180.65           | Rupees One Hundred Eighty and Sixty Five Paise Only                      |
| 59   | G        | Steel 5 km*   | MT       | 11.07    | 180.65           | Rupees One Hundred Eighty and Sixty Five Paise Only                      |

Project Engineer  
(BMSICL)

G.M. Work  
(BMSICL)

ABSTRACT (CIVIL WORK)-9

**BILL OF QUANTITY FOR THE PROPOSED CONSTRUCTION OF ADDITIONAL  
PRIMARY HEALTH CENTER, MAINGRAM, BLOCK- BELAGANJ, DIST- GAYA  
(BIHAR)**

ESTIMATE AMOUNT RS.- 6542500.00

**CIVIL WORK**

| S. No.                           | Item No. | Description | Unit     | Quantity | Rate in Fig. Rs. | Rate in Words |
|----------------------------------|----------|-------------|----------|----------|------------------|---------------|
| <b>DIFFERENCE IN BASIC RATES</b> |          |             |          |          |                  |               |
| 60                               | A        | Bricks      | Per 1000 | 103.64   | 0.00             |               |
| 61                               | B        | Cement      | MT       | 107.20   | 0.00             |               |

\* The payment for carriage of materials will be paid as per chapter V "Special Condition" clause no. 5.10

|    |           |  |           |       |        |  |
|----|-----------|--|-----------|-------|--------|--|
| 62 | BSR-1.2   | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the wall etc. (internal work).   |           |       |        |  |
|    | 1.2.1     | Exposed on walls   |           |       |        |  |
| 63 | 1.2.1.2   | 20 mm nominal outer dia .Pipes.(M)   | metre     | 22    | 126.94 | Rupees One Hundred Twenty Six and Ninety four Paisa Only   |
| 64 | 1.2.1.3   | 25 mm nominal outer dia .Pipes.(M)   | metre     | 15    | 181.27 | Rupees one Hundred Eighty One and Twenty Seven Paisa Only  |
| 65 | 1.2.1.4   | 32 mm nominal outer dia .Pipes.(M)   | metre     | 6     | 228.53 | Rupees Two Hundred Twenty Eight and Fifty Three Paisa only |
| 66 | BSR-1.2.2 | Concealed pipe including painting with anti crossive bitumastic paint, cutting chases and making good the wall.  |           |       |        |  |
| A  | 1.2.2.1   | 15 mm dia nominal bore.  | metre     | 25    | 144.44 | Rupees One Hundred Forty Four and Forty Four Paisa only    |
| B  | 1.2.2.2   | 20 mm dia nominal bore.  | metre     | 22    | 154.15 | Rupees One Hundred Fifty Four and Fifteen Paisa only       |
| C  | 1.2.2.3   | 21 mm dia nominal bore.  | metre     | 15    | 241.00 | Rupees Two Hundred Forty One only                          |
| 67 | BSR-1.9   | Providing and fixing brass gate valve with C.I. wheel of approved quality (screwed end).   |           |       |        |  |
| A  | 1.9.1     | 15 mm nominal bore   | each      | 2     | 165.00 | Rupees One Hundred Sixty Five only                         |
| B  | 1.9.3     | 20 mm nominal bore   | each      | 3     | 185.00 | Rupees One Hundred Eighty Five only                        |
| C  | 1.9.5     | 25 mm nominal bore   | each      | 4     | 210.96 | Rupees Two Hundred Ten and Ninety Six Paisa only           |
| D  | 1.9.6     | 32 mm nominal bore   | each      | 1     | 288.62 | Rupees Two Hundred Eighty Eight and Sixty Two Paisa only   |
| 68 | BSR-1.89  | Providing and placing on terrace (at all floor levels) polythylene water storage tank of approved brands and manufacture with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. | per litre | 3,000 | 7.14   | Rupees Seven and Fourteen Paisa only.                      |
| 69 | BSR-1.90  | Providing and fixing C.P. brass , bib cock of approved quality conforming to IS : 8931   |           |       |        |  |
|    | (a)       | 15 mm nominal bore   | each      | 8     | 204.71 | Rupees Two Hundred Four and seventy One Paisa only         |

Project Engineer  
(BMSICL)

G.M. Work  
(BMSICL)

ABSTRACT (CIVIL WORK)-10

**BILL OF QUANTITY FOR THE PROPOSED CONSTRUCTION OF ADDITIONAL  
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(BIHAR)**

ESTIMATE AMOUNT RS.- 6542500.00

**CIVIL WORK**

| S. No.                                  | Item No.    | Description   | Unit | Quantity | Rate in Fig. Rs. | Rate in Words  |
|---|-------------|---|------|----------|------------------|--|
| 70                                      | BSR-1.92    | Providing and fixing C.P. brass long body, bib cock of approved quality conforming to IS standard and weight not less than 690 grams.   |      |          |                  |  |
|   | (a)         | 15 mm nominal bore  | each | 4        | 537.32           | Rupees Five Hundred Thirty Seven and Thirty Two Paisa only           |
| 71                                      | BSR-1.94    | Providing and fixing C.P brass angle valve for basin mixer and gyser point of approved quality conforming to IS : 8931  |      |          |                  |  |
|   | (a)         | 15 mm nominal bore  | each | 17       | 232.25           | Rupees Two Hundred Thirty Two and Twenty Five Paisa only             |
| <b>2)INTERNAL SANITARY INSTALLATION</b> |             |   |      |          |                  |  |
| 72                                      | BSR-2.29    | Providing and fixing vitreous china predistal type water closet (European type W.C. pan) with seat and lid C.P.brass hinges and rubber buffers, 10 litre low level P.V.C. flushing cistern with fittings,C.I./M.S. brackets 40 mm diameter flush bend with fittings and clamps,overflow arrangement with speicals and mosquito proof coupling of aproved municipal design complete including painting of fittings and brackets,cutting and making good the wall and floors wherevere required |      |          |                  |  |
|   | 2.2.2       | W.C. pan with white solid plastic seat and lid.   | each | 5.00     | 2,292.70         | Rupees Two Thousand Two Hundred Ninety Two and Seventy Paisa only    |
| 73                                      | BSR-2.1     | Providing and fixing white vitreous china water closet squatting pan (Indian type W.C. pan),with 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (of approved make) with fitting.C.I. M.S. brackets,32 mm diameter flushpipe with fittings and clamps,overflow arrangement with spacial and mosquito proof coupling of approved municipal design including painting of fittings and brackets, cutting and making good the walls and floors wherever required .   |      |          |                  |  |
| 74                                      | 2.1.2       | Orrisa pattern W.C. pan of size 580x440 mm with internal type foot rest with flush pipe and over flow arrangement.  | each | 3.00     | 2,420.92         | Rupees Two Thousand Four Hundred Twenty and Ninety Two Paisa only    |
|   | BSR-2.10A.1 | Kitchen sink with drain board   |      |          |                  |  |
|   | 2.10A.1.1   | 510 x 1040 bowl depth 178 mm  | each | 2.00     | 2,720.88         | Rupees Two Thousand Seven Hundred Twenty and Eighty Eight Paisa only |

Project Engineer  
(BMSICL)

G.M. Work  
(BMSICL)

ABSTRACT (CIVIL WORK)-11

**BILL OF QUANTITY FOR THE PROPOSED CONSTRUCTION OF ADDITIONAL  
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(BIHAR)**

ESTIMATE AMOUNT RS.- 6542500.00

**CIVIL WORK**

| S. No.                            | Item No.         | Description   | Unit  | Quantity | Rate in Fig. Rs. | Rate in Words  |
|-----------------------------------|------------------|---|-------|----------|------------------|--|
| 75                                | BSR-2.29         | Providing and fixing white vitreous china wash basin including making all connection but the cost of fittings.  |       |          |                  |  |
|                                   | 2.29.2           | Flat back wash basin of size 550 x 400 mm   | each  | 10.00    | 545.72           | Rupees five Hundred Fourty Five and Seventy Two Paisa only |
| 76                                | BSR-2.42.A       | Providing and fixing mirror of require shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing.   |       |          |                  |  |
|                                   | 2.42A.2          | Rectangular shape 453 x 357 mm  | each  | 10.00    | 343.66           | Rupees Three Hundred Fourty Three and Sixty Six Paisa only |
| 77                                | BSR-2.44         | Providing and fixing towel rail complete with brackets fixed to wooden cleats with C.P. brass screws  |       |          |                  |  |
|                                   | 2.44.1.1         | C.P. brass towel rail with two C.P. brass brackets  |       |          |                  |  |
|                                   | 2.44.1.2         | 600 x 20 mm size  | each  | 2.00     | 190.28           | Rupees One Hundred Ninety and Twenty Eighty Paisa only     |
| 78                                | BSR-2.45         | Toilet paper holder   |       |          |                  |  |
|                                   | 2.45.1           | C.P.brass   | each  | 8.00     | 112.21           | Rupees One hundred Twelve and Twenty One Paisa only        |
| 79                                | DSR-18.6         | Providing and fixing PTMT soap Dish Holder having length of 138mm,breadth 102mm, height of 75mm with concealed fitting arrangements,weighing not less than 106 gms.   | each  | 2.00     | 151.00           | Rupees One Hundred Fifty One only                          |
| <b>3)SOIL WASTE AND VENT PIPE</b> |                  |   |       |          |                  |  |
| 80                                | Derived from DSR | Providing and fixing on wall face UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (10kg/sqcm) including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. |       |          |                  |  |
|                                   |                  | 110 mm dia pipe.  | metre | 27.00    | 188.40           | Rupees One Hundred Eighty Eight and Fourty Paisa only      |
| 81                                | Derived from DSR | Providing and fixing on wall face UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (10kg/sqcm) including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. |       |          |                  |  |
|                                   |                  | 75 mm dia pipe.   | metre | 25.00    | 106.35           | Rupee One Hundred Six and Thirty Five Paisa only           |

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**CIVIL WORK**

| S. No. | Item No.         | Description   | Unit  | Quantity | Rate in Fig. Rs. P | Rate in Words   |
|--------|------------------|---|-------|----------|--------------------|---|
| 82     | Derived from DSR | Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. |       |          |                    |   |
|        |                  | Single Tee with door 75X75X75 mm  | each  | 8.00     | 207.95             | Rupees Two Hundred Seven and Ninety Five Paisa only   |
| 83     | Derived from DSR | Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. |       |          |                    |   |
|        | 12.79.5.2        | Single Tee with door 100X100X100 mm   | each  | 6.00     | 302.05             | Rupees Three Hundred Two and Five Paisa only          |
| 84     | MR               | Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. |       |          |                    |   |
|        |                  | Vent cowel(110 mm)  | each  | 6.00     | 95.00              | Rupees Ninrty Five only                               |
| 85     | MR               | Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. |       |          |                    |   |
|        |                  | Multi floor trap 110  | each  | 12.00    | 282.00             | Rupees Two Hundred and Eighty Two only                |
| 86     | DSR-12.41        | Providing and fixing on wall face unplastidsed-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.  |       |          |                    |   |
|        |                  | FOR RAIN WATER PIPES  |       |          |                    |   |
|        | 12.41.2          | (i) 110mm dia.  | metre | 24.00    | 188.40             | Rupees One Hundred Eighty Eight and Fourty Paisa only |
| 87     | BSR-1.3          | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.(External work).  |       |          |                    |   |

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**CIVIL WORK**

| S. No.                            | Item No. | Description  | Unit  | Quantity | Rate in Fig. Rs. | Rate in Words  |
|-----------------------------------|----------|--|-------|----------|------------------|--|
| A                                 | 1.3.3    | 25 mm nominal outer dia .Pipes.(M)   | metre | 22       | 161.95           | Rupees One Hundred Sixty One and Ninety Five Paisa Only  |
| B                                 | 1.3.4    | 32 mm nominal outer dia .Pipes.(M)   | metre | 18       | 201.65           | Rupees Two Hundred One and Sixty Five Paisa Only         |
| 88                                | BSR-1.9  | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end):   |       |          |                  |  |
| A                                 | 1.9.3    | 25 mm nominal bore   | each  | 2        | 210.96           | Rupees Two Hundred Ten and Ninety Six Paisa Only         |
| B                                 | 1.9.4    | 32 mm nominal bore   | each  | 1        | 288.62           | Rupees Two Hundred Eighty Eight and Sixty Two Paisa Only |
| 89                                | BSR-1.50 | Constructing masonry Chamber 30x30x50 cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size ) necessary excavation foundation concrete 1:5:10 ( 1 cement :5 fine sand:10 graded stone aggregate 40mm nominal size ) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design : |       |          |                  |  |
|                                   |          | With F.P.S.bricks.   | each  | 3.00     | 514.84           | Rupees Five Hundred Fourteen and Eighty Four Paisa Only  |
| <b>2) SUB HEAD:EXTERNAL SEWER</b> |          |  |       |          |                  |  |
| 90                                | DSR-2.10 | Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :  |       |          |                  |  |
|                                   |          | 2.10.1 All kinds of soil   |       |          |                  |  |
|                                   | 2.10.1.1 | Pipes,cables ect.exceeding 80 mm dia,but not exceeding 300 mm dia.   | metre | 120      | 165.60           | Rupees One Hundred Sixty Five and Sixty Paisa Only       |

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**CIVIL WORK**

| S. No. | Item No. | Description   | Unit  | Quantity | Rate in Fig. Rs. P | Rate in Words   |
|--------|----------|---|-------|----------|--------------------|---|
| 91     | BSR-3.1  | Providing, laying and jointing glazed stoneware pipes Class 'SP-1' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :  |       |          |                    |   |
|        | 3.1.3    | 200 mm diameter   | metre | 115      | 218.95             | Rupees Two Hundred Eighteen and Ninety Five Paisa Only                      |
| 92     | BSR-3.4  | Providing and fixing square-mouth S.W. gully trap Class 'SP-1' complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :  |       |          |                    |   |
|        | 3.4.3    | 150 x 100 mm size P type.   |       |          |                    |   |
|        | 3.4.3.2  | With F.P.S. bricks  | each  | 7        | 290.00             | Rupees Two Hundred Ninety Only  |
| 93     | BSR-3.11 | Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design : |       |          |                    |   |
|        | 3.11.1   | Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :   |       |          |                    |   |
|        |          | With F.P.S. bricks  | each  | 9.00     | 3388.67            | Rupees Three Thousand Three Hundred Eighty Eight and Sixty Seven Paisa Only |

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**CIVIL WORK**

| S. No.  | Item No.  | Description  | Unit  | Quantity | Rate in Fig. Rs. P | Rate in Words  |
|---|-----------|--|-------|----------|--------------------|--|
| 94  | BSR-3.17A | Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design. | each  | 18       | 120.67             | Rupees One Hundred Twenty and Sixty Seven Paisa Only   |
| <b>3) SUB HEAD:TUBEWELL &amp; TUBEWELL PUMPS(1 Nos)</b> |           |  |       |          |                    |  |
| 95  | DSR-24.1  | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools,plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level.  |       |          |                    |  |
|   | 24.1.1    | All types of soil  |       |          |                    |  |
|   | 24.1.1.1  | 300 mm dia   | Metre | 90       | 358.90             | Rupees Three Hundred fifty Eight and Ninety Paisa Only |
| 96  | DSR-24.3  | Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths,as per direction of Engineer -in-charge.   |       |          |                    |  |
|   | 24.3.2    | 150 mm nominal size dia  | Metre | 90       | 539.15             | Rupees Five Hundred Thirty Nine and Fifteen Paisa Only |



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**CIVIL WORK**

| S. No. | Item No.  | Description  | Unit  | Quantity | Rate in Fig. Rs. P | Rate in Words   |
|--------|-----------|--|-------|----------|--------------------|---|
| 97     | DSR-24.8  | Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.  | cum   | 4        | 842.80             | Rupees Eight Hundred Fourty Two and Eighty Paise Only             |
| 98     | DSR-24.9  | Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineer-in-charge.  | Each  | 1        | 897.10             | Rupees Eight Hundred Ninety Seven and Ten Paise Only              |
| 99     | DSR-24.10 | Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.   |       |          |                    |   |
|        | 24.10.2   | 150 mm nominal size dia having minimum wall thickness 5.00 mm  | Metre | 75       | 1297.90            | Rupees One Thousand Two Hundred Ninty Seven and Ninety Paise Only |
| 100    | DSR-24.11 | Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed /plain bevel ended pipe (type A) of required dia, conforming to IS:8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-charge. |       |          |                    |   |

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**CIVIL WORK**

| S. No. | Item No.  | Description   | Unit  | Quantity | Rate in Fig. Rs. | Rate in Words  |
|--------|-----------|---|-------|----------|------------------|--|
|        | 24.11.2   | 150 mm nominal size dia   | Metre | 15       | 1373.70          | Rupees One Thousand Three Hundred Seventy Three and Seventy Paise Only |
| 101    | DSR-24.12 | Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge. | Hour  | 4        | 549.10           | Rupees Five Hundred Forty Nine and Ten Paise Only                      |
| 102    | DSR-24.13 | Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of:   |       |          |                  |  |
|        | 24.13.2   | 150 mm dia  | Each  | 1        | 182.95           | Rupees One hundred Eighty Two and Ninty Five Paise Only                |
| 103    | DSR-24.14 | Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.  |       |          |                  |  |
|        | 24.14.2   | 150 mm clamp  | Each  | 1        | 1033.10          | Rupees One Thousand Thirty Three and Ten Paise Only                    |
| 104    | DSR-24.15 | Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).   |       |          |                  |  |
|        | 24.15.2   | 150 mm dia  | Each  | 1        | 206.10           | Rupees Two Hundred Six and Ten Paise Only                              |
| 105    | MR        | Supply and fixing of 3" borewell submersible pump pump suitable for Capacity 100 lpm  | Set   | 1        | 37800.00         | Rupees Thirty Seven Thousand Eight Hundred Only                        |
|        |           | Head 35 m   |       |          |                  |  |

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**CIVIL WORK**

| S. No. | Item No.     | Description   | Unit  | Quantity | Rate in Fig. Rs. P | Rate in Words                        |
|--------|--------------|---|-------|----------|--------------------|--------------------------------------|
| 106    | BSR-09-1.1.3 | Wiring for Light point/ Fan point/ Exhaust Fan point/ Call Bell point with 1.5 sq.mm FR PVC insulated Copper Conductor Cable in surface/ recessed PVC Conduit with modular type switch, modular plate, suitable size PVC/G.I. box etc. as required.(Group-C)  | Point | 135.0    | 564.00             | Rupees Five Hundred Sixty Four only  |
| 107    | BSR-09-1.31  | Supplying and fixing suitable size GI box with modular plate and cover including providing and fixing 3 pin 5/6 Amp modular type socket on switch/separate board (in surface / recessed PVC conduit wiring system) and 5/6 Amp modular type switch Earthing the 3rd pin, painting etc. as required.                                 | Point | 75.0     | 237.00             | Rupees Two Hundred Thirty Seven only |
| 108    | BSR--09-1.32 | Supplying and fixing suitable size GI box with modular plate and cover including providing and fixing 6 pin 20/16 Amp modular type socket on switch/separate board (in surface / recessed PVC conduit wiring system) and 20/16 Amp modular type switch ,connection, painting etc, painting etc. as required. <b>For Power Plug.</b> | Point | 51.00    | 313.00             | Rupees Three Hundred Thirteen only   |
| 109    | BSR-09-1.5   | Wiring for power plug point with 2 x 4 Sq.mm FR PVC insulated copper conductor single core Cable in recessed / surface PVC conduit along with 1 no. 4 sq. mm copper conductor wire for loop earthing as required.   | Mtr   | 575.00   | 170.00             | Rupees One Hundred Seventy only      |
| 110    | BSR-09-1.7.1 | Wiring for light plug with 2 x 2.5 Sq.mm PVC insulated copper conductor single core cable in surface/recessed PVC conduit along with 1 No. 2.5 sq. mm copper conductor wire for loop earthing as required.  | Mtr   | 500.00   | 125.00             | Rupees One Hundred Twenty Five only  |
| 111    | BSR-09-2.19  | Supplying and fixing 20amp, 240V SPN industrial type socket with 2 pole and earth, metal enclosed plug top along with 20amps 'C' series, SP, MCB, in sheet steel enclosure, on surface / recess, with chained metal cover for the socket outlet and complete with connections, testing etc. as required.                            | Point | 5.00     | 859.00             | Rupees Eight Hundred Fifty Nine only |

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(BIHAR)**

ESTIMATE AMOUNT RS.- 6542500.00

**CIVIL WORK**

| S. No.                                   | Item No.      | Description  | Unit | Quantity | Rate in Fig. Rs. | Rate in Words                          |
|--|---------------|--|------|----------|------------------|--|
| 112                                      | BSR-09-1.26   | Supplying & fixing of Modular blanking plate on the existing modular plate and switch box excluding modular plate as required.   | Each | RO       | 29.00            | Rupees Twenty Nine only                |
| 113                                      |               | Wiring for sub-main wiring with the following sizes PVC insulated copper conductor single core cable in surface / recessed PVC conduit as required.  |      |          |                  |  |
| a)                                       | BSR-09-1.7.1  | 2 x 1.5 + 1x 1.5 sq.mm   | Mtr. | RO       | 97.00            | Rupees Ninety Seven only               |
| b)                                       | BSR-09-1.7.2  | 2 x 2.5 + 1x 2.5 sq.mm   | Mtr. | RO       | 125.00           | Rupees One Hundred Twenty Five only    |
| c)                                       | BSR-09-1.7.4  | 2 x 6 + 1x 6 sq.mm   | Mtr. | 50.00    | 244.00           | Rupees Two Hundred Fourty Four Only    |
| d)                                       | BSR-09-1.7.11 | 4 x 6 + 1 x 6 sq.mm  | Mtr. | 100.00   | 387.00           | Rupees Three Hundred Eighty Seven Only |
| e)                                       | BSR-09-1.7.12 | 4 x 10 + 1 x 10 sq.mm  | Mtr. | 30.00    | 592.00           | Rupees Five Hundred Ninety Two Only    |
| f)                                       | BSR-1.7.13    | 4 x 16 + 1 x 16 sq.mm  | Mtr. | 30.00    | 927.00           | Rupees Nine Hundred Twenty Seven Only  |
| <b>TELEPHONE CONDUTING &amp; WIRING:</b> |               |  |      |          |                  |  |
| 114                                      | BSR-09-1.16.2 | Supplying & drawing Following pair 0.5 sq.mm. FR PVC insulated copper conductor unarmored telephone cable through existing surface / recessed PVC conduit including connections, testing etc. as reqd. |      |          |                  |  |
| a)                                       | BSR-09-1.16.2 | 2 pair   | Mtr. | RO       | 20.00            | Rupees Twenty Only                     |
| 115                                      | BSR-09-1.21   | Supplying and fixing of following sizes of pvc conduit along with accessories in surface/rescess including cutting the wall and making good the same in case of ressed conduit as required.            |      |          |                  |  |
| a)                                       | BSR-09-1.21.2 | 25 mm dia  | RM   | RO       | 52.00            | Rupees Fifty Two Only                  |
| b)                                       | BSR-09-1.21.3 | 32mm dia   | RM   | RO       | 73.00            | Rupees Seventy Three Only              |
| c)                                       | BSR-09-1.21.4 | 40mm dia   | RM   | RO       | 98.00            | Rupees Ninety Eight Only               |
| 116                                      |               | Supplying and fiixing 2 pin Telephone modular socket & switch with modular plate,suitable size metal box and sheet cover including connection, testing, etc. as required.                              |      |          |                  |  |

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**CIVIL WORK**

| S. No.                      | Item No.      | Description   | Unit | Quantity | Rate in Fig. Rs. P | Rate in Words                                      |
|-----------------------------|---------------|---|------|----------|--------------------|--|
| a)                          | BSR-09-1.22.1 | 75 mm.X 75 mm.X 50 mm. deep ( 4"X4")  | Each | 13       | 59.00              | Rupees Fifty Nine Only                             |
| b)                          | BSR-09-1.24.6 | Telephone socket with shtter outlet   | Each | 7        | 77.00              | Rupees Seventy Seven Only                          |
| c)                          | BSR-1.24.7    | T.V. antenna socket outlet  | Each | 6        | 77.00              | Rupees Seventy Seven Only                          |
| 117                         |               | Supplying and drawing PVC insulated, PVC sheathed multicore armoured taped telephone cables of 0.61 mm dia size in existing conduit pipe, of the following sizes.   |      |          |                    |  |
| a)                          | MR            | 10Pair  | RM   | RO       | 77.00              | Rupees Seventy Seven only                          |
| 118                         |               | Supplying and fixing of telephone distribution board (Tag block) in hinged type MS box duly powder coated complete with bakelite sheet with terminal nation of incoming and outgoing Telephone wire etc. complete as required.  |      |          |                    |  |
| a)                          | MR            | 10 Pair   | Nos. | RO       | 1400.00            | Rupees One Thousand Four Hundred Only              |
| <b>DISTRIBUTION BOARDS.</b> |               |   |      |          |                    |  |
| 119                         | BSR-09-2.9.1  | Supplying & fixing 4 way (4 +12) three pole and neutral, sheet steel MCB distribution board 415 volts on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar,din bar, hinged front acrylic cover for the MCB knobs, detachable gland plate, interconnections, phosphatised and powder painted earthing etc. as required.(without MCB's)  | Each | 2.00     | 1395.00            | Rupees One Thousand Three Hundred Ninety Five only |
| 120                         | BSR-09-2.9.5  | Providing and fixing 6 way(4+18), TP & N prewired, sheet steel, MCB DB,415 volts, on surface/ recess double door complete with loose wire box, terminal blocks, duly prewired with suitable size PVC insulated copper wire up to terminal blocks, tinned cooper busbar, neutral link, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc.as required. (But without MCB / RCCB Isolator) . | Each | 2.00     | 2529.00            | Rupees Two Thousand Five Hundred Twenty Nine only  |

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**CIVIL WORK**

| S. No.                     | Item No.      | Description   | Unit | Quantity | Rate in Fig. Rs. P | Rate in Words                                   |
|----------------------------|---------------|---|------|----------|--------------------|---|
| 121                        | BSR-09-2.9.6  | Providing and fixing 8 way(4+24), TP & N prewired, sheet steel, MCB DB,415 volts, on surface/ recess double door complete with loose wire box, terminal blocks, duly prewired with suitable size PVC insulated copper wire up to terminal blocks, tinned cooper busbar, neutral link, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc.as required. (But without MCB / RCCB Isolator) . | Each | RO       | 3078.00            | Rupees Three Thousand Seventy Eight only        |
| 122                        |               | Supplying & fixing of following rating and poles, B&C series miniature circuit breaker in the existing MCB DB Complete with connection testing and commissioning etc. as required.  |      |          |                    |   |
| a)                         | BSR-09-2.11   | 6/32 A SP MCB 'B' series  | Each | 65.00    | 151.00             | Rupees One Hundred Fifty One only               |
| b)                         | BSR-09-2.12.1 | 6/32 A SPN MCB 'C' series   | Each | 7.00     | 156.00             | Rupees One Hundred Fifty Six only               |
| 123                        | BSR-09-2.18.2 | Supplying & fixing of following rating TPN ,415volt ,residual current circuit breaker (RCCB), Having a sensitivity current upto 300 milliampear in the existing MCB DB complete with connection, testing and commissioning etc. as required   |      |          |                    |   |
| a)                         | BSR-09-2.18.2 | 40A   | Each | 2.00     | 2311.00            | Rupees Two Thousand Three Hundred Eleven only   |
| b)                         | BSR-09-2.18.3 | 63A   | Each | 2.00     | 2691.00            | Rupees Two Thousand Six Hundred Ninety One only |
| <b>ERECTION OF FIXTURE</b> |               |   |      |          |                    |   |
| 124                        | BSR-09-1.40   | Installation testing commissioning of pre-wired, fluorescent/Compact fitting of all types complete with all accessories and tube etc. directly on ceiling / wall including connections with 1.5 sq.mm. PVC insulated copper conductor, single core cable etc. as required.  | Each | 93.00    | 36.00              | Rupees Thirty Six only                          |

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**CIVIL WORK**

| S. No. | Item No.       | Description   | Unit | Quantity | Rate in Fig. Rs. | Rate in Words                      |
|--------|----------------|---|------|----------|------------------|------------------------------------|
| 125    | BSR-09-1.41    | Installation, testing and commissioning of prewired fluorescent /Copact fitting of all type complete with all accessories and tube etc. including supplying and fixing ball and socket arrangement 2 nos. down rod of 20mm dia x 1.6mm thick steel conduit up to 30 cm length pointing and wiring 1.5 sq.mm PVC insulated Copper Conductor single core cable as required. | Each | RO       | 169.00           | Rupees One Hundred Sixty Nine only |
| 126    | BSR-09-1.43&44 | Installation, testing and commissioning of ceiling fan/wall bracket fan and regulator including wiring the down rod of standard length (30 cm) with 1.5 sq.mm PVC insulated copper conductor, single core cable etc. as required.   | Each | 36.00    | 77.00            | Rupees Seventy Seven only          |
| 127    | BSR-09-1.47    | Installation of exhaust fan upto 300/450mm sweep in the existing opening, including making the opening / hole to suit the size of the above fan, making good, the damages, connections, testing, commissioning etc. as required.  | Each | 11.00    | 192.00           | Rupees One Hundred Ninety Two only |
| 128    | BSR-09-1.49    | Extra for fixing the louver / shutters complete with frame for exhaust fan of all sizes.  | Each | RO       | 50.00            | Rupees Fifty Only                  |

**SWITCHGEAR PANELS :**

|     |             |  |  |  |  |  |
|-----|-------------|--|--|--|--|--|
|     |             | <b>MDB-01</b>  |  |  |  |  |
| 129 | AR From BSR | Fabrication, supply, installation, testing and commissioning of cubicle type wall mounted L.T. panel made out of 16mm thick CRCA sheet including connection, inter-connection along with 4 strip aluminium bus bar as per CP WD specifications, ( Part IV - Sub-station) and IS: 8623 comprising of followings panel mounting switchgears etc. as required., |  |  |  |  |
|     |             | <b>Incoming</b>  |  |  |  |  |
| A)  |             | 1 Nos. 160A mps FP on load change over switch.   |  |  |  |  |
|     |             | 1 Nos. 160Amps TPN MCCB With thermal magnetic release for O/C,& S/C Protection.  |  |  |  |  |
|     |             | <b>Protection Instrument</b>   |  |  |  |  |
| i)  |             | One (1) Nos. (0-500V) 96 x 96 Sq.mm voltmeter with control MCB & selector switch.  |  |  |  |  |

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**CIVIL WORK**

| S. No.             | Item No.       | Description   | Unit | Quantity | Rate in Fig. Rs. | Rate in Words  |
|--------------------|----------------|---|------|----------|------------------|--|
| ii)                |                | 1 Set of (0-160Amps) 96 x 96mm CT operated Ammeter with 3 way selector switch and 160/5A, CL-1, 10VA CT.  |      |          |                  |  |
| iii)               |                | One (1) Set of Phase Indication & ON/OFF Lamp with 2A SP MCB.   |      |          |                  |  |
|                    |                | Provision for fixing of 1No 10-60 Amp. Three Phase KWH Meter (dual type).   |      |          |                  |  |
|                    |                | <b>Busbar</b>   |      |          |                  |  |
| B)                 |                | <b>200Amps</b> TP&N 16 kA aluminum conductor bus bar (BPTM type Heat-shrinkable busbar insulation) supported by DMC / FRP insulators.   |      |          |                  |  |
|                    |                | <b>OUTGOING</b>   |      |          |                  |  |
|                    |                | i) 4 Nos. 63 Amps TPN MCB .   |      |          |                  |  |
| C)                 |                | ii) 4 Nos. 40Amps TPN MCB .   | Set  | RO       | 85075.00         | Rupees Eighty Five Thousand Seventy Five only        |
|                    |                | <b>MCB BOX</b>  |      |          |                  |  |
| 130                | AR From BSR    | Fabrication, supply, installation, testing and commissionings of cubicle type floormounted MCB box made out of 16mm thick CRCA sheet including connection, inter-connection alongwith 4 strip aluminium bus bar as per CP WD specifications, ( Part IV - Sub-station) and IS: 8623 comprising of followings panel mounting switchgears etc. as required., |      |          |                  |  |
| a)                 |                | 63A FP  | Set  | RO       | 3243.00          | Rupees Three Thousand Two Hundred & Forty Three only |
| <b>POWER CABLE</b> |                |   |      |          |                  |  |
| 131                |                | Supply, laying, testing and commissioning of 1100 Volt grade XLPE insulated aluminium conductor armoured cables including the cost of providing required gap between adjacent cables (minimum one cable dia.) and including the cost of providing identification tags etc. complete as per specification, as required.                                    |      |          |                  |  |
| a)                 | BSR-09-6.14.22 | 3.5C x 50 Sq.mm cable   | RM   | RO       | 463.00           | Rupees Four Hundred Sixty Three only                 |
|                    |                | <b>Cable termination :</b>  |      |          |                  |  |
| 132                |                | Supplying making end termination with brass compression gland and aluminum lugs for PVC insulated and PVC sheathed XLPE aluminum conducted cable 1.1 KV graded of following size as required.   |      |          |                  |  |



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**CIVIL WORK**

| S. No. | Item No.                   | Description   | Unit | Quantity | Rate in Fig. Rs. | Rate in Words                                       |
|--------|----------------------------|---|------|----------|------------------|---|
| a)     | DSR07<br>4.1.22<br>+69%    | 3.5C x 50Sq.mm cable  | Nos. | RO       | 247.00           | Rupees Two Hundred Forty Seven only                 |
| 133    | DSR -<br>07<br>1.1<br>+69% | Laying of one number PVC insulated and PVC sheated/XLPE Power cable of 1.1 grade of size exceeding 25 sq.mm but in direct in ground including excavation ,sand cushioning,protection covering and refilling thetrench etc as required.  | RM   | 50       | 144.00           | Rupees One Hundred Forty Four Only                  |
|        |                            | <b>Hume Pipe:</b>   |      |          |                  |   |
| 134    | BSR-09-<br>3.6             | Supply and installation of following sizes of RCC hume pipes for road crossings, paved areas, laying of cable etc, including collars, and misc jointing accessories, digging the trench, back filling etc, making good the damages. Complete in all respect as required (Pipe to be laid 1200 mm below ground). |      |          |                  |   |
| a)     | BSR-09-<br>3.6.3           | 100 mm dia  | RM   | 50       | 196.40           | Rupees One Hundred Ninety Six and Forty Paise only  |
| 135    | BSOR-<br>09-2.20           | Providing and fixing M.V. danger notice plate of 200 mm X 150mm, made of mild steel, at least 2mm thick, and vitreous enameled white on both sides, and with inscription in single red color on front side as required.   | Each | 1        | 73.00            | Rupees Seventy Three only                           |
| 136    | BSR-09-<br>3.5             | Earthing with GI earth plate 600mmx 600mm x 3mm thick including accessories and provides masonry enclosure with cover plate having locking arrangement and watering pipe etc. with Charcoal or coke and salt complete as required.  | Set  | 2.00     | 2255.00          | Rupees Two Thousand Two Hundred Fifty Five only     |
| 137    | BSR-09-<br>3.7             | Extra for using salt and charcoal for GI or plate earth electrode as required.  | Set  | 2.00     | 1328.00          | Rupees One Thousand Three Hundred Twenty Eight only |
| 138    | BSR-09-<br>3.16            | Providing and laying earth connections from earth electrode with 4mm dia. copper wire in 15mm dia G.I pipe from earth electrode as required.  | Mtr. | 50.00    | 172.00           | Rupees One Hundred Seventy Two only                 |
| 139    | BSR-09-<br>3.18            | Providing and fixing 25mm x 5mm GI Earth strip on surface or in recess for connection etc. as required.   | Mtr. | 50.00    | 75.00            | Rupees Seven Five only                              |
| 140    | BSR-09-<br>3.19            | Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/submain wiring/cable as required   | Mtr. | 250.00   | 34.00            | Rupees Thirty Four only                             |

Project Engineer  
(BMSICL)

G.M. Work  
(BMSICL)

ABSTRACT (CIVIL WORK)-25

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**CIVIL WORK**

| <b>S.<br/>No.</b> | <b>Item No.</b> | <b>Description</b> | <b>Unit</b> | <b>Quantity</b> | <b>Rate in Fig.<br/>Rs. P</b> | <b>Rate in Words</b> |
|-------------------|-----------------|--------------------|-------------|-----------------|-------------------------------|----------------------|
|                   |                 | <b>Grand Total</b> |             |                 |                               | <b>65,42,500.00</b>  |

Project Engineer  
(BMSICL)

G.M. Work  
(BMSICL)

ABSTRACT (CIVIL WORK)-26