

## SCHEDULE FOR TOILET BHOJ UNIVERSITY BHOPAL

| NO. | SOR NO. | ITEM OF SOR   | QUANTITY | UNIT | ESTIMATE |         | AMOUNT |    |
|-----|---------|---|----------|------|----------|---------|--------|----|
|     |         |   |          |      | D        | RATE IN | IN     | P. |
|     |         |   |          |      | Rs.      | P.      | Rs.    | P. |
| 1   | 15.11   | Dismantling tile/ Kota stone/ Marble / Granite work in floors/walls and roofs laid in cement mortar including stacking material within 50 meters lead. As per direction of engineer-in-charge   |          |      |          |         |        |    |
| 1   | 15.11.1 | For thickness of tiles 10 mm to 25 mm   | 104.048  | Sqm  |          |         |        |    |
| 2   | 15.15   | Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meters lead: As per direction of engineer-in-charge   | 4.00     | each |          |         |        |    |
| 3   | 17.1    | Providing and fixing water closet squatting pan (Indian type w....pan) wotj 100 mm sand cast Iron P or S trap, UPVC P or S trap, 10 litre low level white P.V.C. Flushing Cistern, including flush pipe, with manually controlled device ( handle lever) conforming to IS: 7231 with all fittings and fixtures complete including cutting and making good the walls and floors wherever required:   |          |      |          |         |        |    |
| 3   | 17.1.1  | White Vitreous China Orissa pattern W.C. pan of size 580X440mm with integral type foot rests.   | 1.00     | each |          |         |        |    |
| 4   | 17.2    | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 liter low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :  |          |      |          |         |        |    |
| 4   | 17.2.1  | W.C. pan with ISI marked white solid plastic seat and lid   | 1.00     | each |          |         |        |    |
| 5   | 17.7    | Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required: |          |      |          |         |        |    |
| 5   | 17.7.4  | Range of four half stall urinals with 10 liter P.V.C. automatic flushing cistern.ou china   | 4.00     | each |          |         |        |    |
| 6   | 17.27   | Providing and fixing white vitreous China flat back half stall urinal of size 580X380X350 mm.   | 2.00     | each |          |         |        |    |
| 7   | 17.11   | Providing and fixing wash basin with C.1. brackets. 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require   |          |      |          |         |        |    |
| 7   | 17.11.1 | White Vitreous China Wash basin size 630x450 mm   | 2.00     | each |          |         |        |    |

|    |         |   |         |     |  |  |
|----|---------|---|---------|-----|--|--|
|    |         | with a pair of 15 mm C.P. brass pillar taps.  |         |     |  |  |
| 8  | 11.51   | Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (having thickness 9 to 10mm) of 1st quality conforming to IS: 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 sand) including pointing the joints with white cement and matching pigments etc., complete.  | 20.438  | Sqm |  |  |
| 9  | 11.50   | Providing and laying rectified Glazed Ceramic wall tiles 300x450 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 12 mm thick Cement Mortar 1:3 (1 Cement : 3 sand) including pointing the joints with white cement and matching pigments etc., complete.   | 83.61   | Sqm |  |  |
| 10 | 9.163   | Providing and fixing to existing door frames  |         |     |  |  |
| 10 | 9.163.3 | 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mmx25mm or less as per requirement with an average wall thickness of 1mm (+ 0.3mm). PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm and 1.0 mm (+ 0.1mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top and Bottom edges of the shutter are covered with an end-cap of the size 25mmx11mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places complete as per manufacturer's specification and direction of engineer-in-charge | 6.588   | Sqm |  |  |
| 11 | 14.27   | Removing white or color wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete   | 104.048 | Sqm |  |  |
| 12 | 13.41   | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, Like Birla white /JK white or equivalent, over the plastered wall surface to prepare the surface even and smooth i/c all cost of material, labour and scaffold etc in all position complete.   | 104.048 | Sqm |  |  |
| 13 | 13.49   | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:  | 104.048 | Sqm |  |  |

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| NO. | SOR NO. | ITEM OF SOR   | QUANTITY | UNIT | ESTIMATE |         | AMOUNT |    |
|-----|---------|---|----------|------|----------|---------|--------|----|
|     |         |   |          |      | D        | RATE IN | IN     | IN |
|     |         |   |          |      | Rs.      | P.      | Rs.    | P. |
| 1   | 15.11   | Dismantling tile/ Kota stone/ Marble / Granite work in floors/walls and roofs laid in cement mortar including stacking material within 50 meters lead. As per direction of engineer-in-charge   |          |      |          |         |        |    |
| 1   | 15.11.1 | For thickness of tiles 10 mm to 25 mm   | 51.095   | Sqm  |          |         |        |    |
| 2   | 15.15   | Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meters lead: As per direction of engineer-in-charge   | 1.00     | each |          |         |        |    |
| 3   | 17.2    | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 liter low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :  |          |      |          |         |        |    |
| 3   | 17.2.1  | W.C. pan with ISI marked white solid plastic seat and lid   | 1.00     | each |          |         |        |    |
| 4   | 17.7    | Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required: |          |      |          |         |        |    |
| 4   | 17.7.4  | Range of four half stall urinals with 10 liter P.V.C. automatic flushing cistern.ou china   | 2.00     | each |          |         |        |    |
| 5   | 17.11   | Providing and fixing wash basin with C.1. brackets. 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require   |          |      |          |         |        |    |
| 5   | 17.11.1 | White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.  | 1.00     | each |          |         |        |    |
| 6   | 11.51   | Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (having thickness 9 to 10mm) of 1st quality conforming to IS: 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 sand) including pointing the joints with white cement and matching pigments etc., complete.  | 13.935   | Sqm  |          |         |        |    |
| 7   | 11.50   | Providing and laying rectified Glazed Ceramic wall tiles 300x450 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades,  | 37.16    | Sqm  |          |         |        |    |

|    |         |   |        |     |  |  |
|----|---------|---|--------|-----|--|--|
|    |         | except White, Ivory, Grey, Fume Red Brown, laid on 12 mm thick Cement Mortar 1:3 (1 Cement : 3 sand) including pointing the joints with white cement and matching pigments etc., complete.  |        |     |  |  |
| 8  | 9.163   | Providing and fixing to existing door frames  |        |     |  |  |
| 8  | 9.163.3 | 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mmx25mm or less as per requirement with an average wall thickness of 1mm (+ 0.3mm). PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm and 1.0 mm (+ 0.1mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top and Bottom edges of the shutter are covered with an end-cap of the size 25mmx11mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places complete as per manufacturer's specification and direction of engineer-in-charge | 1.672  | Sqm |  |  |
| 9  | 14.27   | Removing white or color wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete   | 51.095 | Sqm |  |  |
| 10 | 13.41   | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, Like Birla white /JK white or equivalent, over the plastered wall surface to prepare the surface even and smooth i/c all cost of material, labour and scaffold etc in all position complete.   | 51.095 | Sqm |  |  |
| 11 | 13.49   | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:  | 51.095 | Sqm |  |  |

**SCHEDULE FOR 1<sup>st</sup> LADIES TOILET, BHOJ UNIVERSITY BHOPAL**

| NO. | SOR NO. | ITEM OF SOR   | QUANTITY | UNIT | ESTIMATED RATE IN |    | AMOUNT IN |    |
|-----|---------|---|----------|------|-------------------|----|-----------|----|
|     |         |   |          |      | Rs.               | P. | Rs.       | P. |
| 1   | 15.11   | Dismantling tile/ Kota stone/ Marble / Granite work in floors/walls and roofs laid in cement mortar including stacking material within 50 meters lead. As per direction of engineer-in-charge   |          |      |                   |    |           |    |
| 1   | 15.11.1 | For thickness of tiles 10 mm to 25 mm   | 65.959   | Sqm  |                   |    |           |    |
| 2   | 15.15   | Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meters lead: As per direction of engineer-in-charge   | 2.00     | each |                   |    |           |    |
| 3   | 17.2    | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 liter low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :                    |          |      |                   |    |           |    |
| 3   | 17.2.1  | W.C. pan with ISI marked white solid plastic seat and lid   | 2.00     | each |                   |    |           |    |
| 4   | 17.11   | Providing and fixing wash basin with C.1. brackets. 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require   |          |      |                   |    |           |    |
| 4   | 17.11.1 | White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.  | 2.00     | each |                   |    |           |    |
| 5   | 11.51   | Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (having thickness 9 to 10mm) of 1st quality conforming to IS: 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 sand) including pointing the joints with white cement and matching pigments etc., complete.                    | 14.864   | Sqm  |                   |    |           |    |
| 6   | 11.50   | Providing and laying rectified Glazed Ceramic wall tiles 300x450 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 12 mm thick Cement Mortar 1:3 (1 Cement : 3 sand) including pointing the joints with white cement and matching pigments etc., complete. | 51.095   | Sqm  |                   |    |           |    |
| 7   | 9.163   | Providing and fixing to existing door frames  |          |      |                   |    |           |    |
| 7   | 9.163.3 | 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mmx25mm or less as per requirement with an average wall thickness of 1mm (+ 0.3mm). PVC foam end cap of size 23x10mm are provided on both vertical  | 3.344    | Sqm  |                   |    |           |    |

|    |       |  |        |     |  |  |
|----|-------|--|--------|-----|--|--|
|    |       | edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm and 1.0 mm (+ 0.1mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top and Bottom edges of the shutter are covered with an end-cap of the size 25mmx11mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places complete as per manufacturer's specification and direction of engineer-in-charge |        |     |  |  |
| 8  | 14.27 | Removing white or color wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete  | 65.959 | Sqm |  |  |
| 9  | 13.41 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, Like Birla white /JK white or equivalent, over the plastered wall surface to prepare the surface even and smooth i/c all cost of material, labour and scaffold etc in all position complete.  | 65.959 | Sqm |  |  |
| 10 | 13.49 | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:   | 65.959 | Sqm |  |  |

**SCHEDULE FOR 2<sup>nd</sup> LADIES TOILET, BHOJ UNIVERSITY BHOPAL**

| NO. | SOR NO. | ITEM OF SOR   | QUANTITY | UNIT | ESTIMATED RATE IN |    | AMOUNT IN |    |
|-----|---------|---|----------|------|-------------------|----|-----------|----|
|     |         |   |          |      | Rs.               | P. | Rs.       | P. |
| 1   | 15.11   | Dismantling tile/ Kota stone/ Marble / Granite work in floors/walls and roofs laid in cement mortar including stacking material within 50 meters lead. As per direction of engineer-in-charge   |          |      |                   |    |           |    |
| 1   | 15.11.1 | For thickness of tiles 10 mm to 25 mm   | 47.379   | Sqm  |                   |    |           |    |
| 2   | 15.15   | Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meters lead: As per direction of engineer-in-charge   | 1.00     | each |                   |    |           |    |
| 3   | 17.2    | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 liter low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :                    |          |      |                   |    |           |    |
| 3   | 17.2.1  | W.C. pan with ISI marked white solid plastic seat and lid   | 1.00     | each |                   |    |           |    |
| 4   | 17.11   | Providing and fixing wash basin with C.1. brackets. 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require   |          |      |                   |    |           |    |
| 4   | 17.11.1 | White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.  | 1.00     | each |                   |    |           |    |
| 5   | 11.51   | Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (having thickness 9 to 10mm) of 1st quality conforming to IS: 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 sand) including pointing the joints with white cement and matching pigments etc., complete.                    | 13.935   | Sqm  |                   |    |           |    |
| 6   | 11.50   | Providing and laying rectified Glazed Ceramic wall tiles 300x450 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 12 mm thick Cement Mortar 1:3 (1 Cement : 3 sand) including pointing the joints with white cement and matching pigments etc., complete. | 33.444   | Sqm  |                   |    |           |    |
| 7   | 9.163   | Providing and fixing to existing door frames  |          |      |                   |    |           |    |
| 7   | 9.163.3 | 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mmx25mm or less as per requirement with an average wall thickness of 1mm (+ 0.3mm). PVC foam end cap of size 23x10mm are provided on both vertical  | 1.672    | Sqm  |                   |    |           |    |

|    |       |  |        |     |  |  |
|----|-------|--|--------|-----|--|--|
|    |       | edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm and 1.0 mm (+ 0.1mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top and Bottom edges of the shutter are covered with an end-cap of the size 25mmx11mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places complete as per manufacturer's specification and direction of engineer-in-charge |        |     |  |  |
| 8  | 14.27 | Removing white or color wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete  | 47.379 | Sqm |  |  |
| 9  | 13.41 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, Like Birla white /JK white or equivalent, over the plastered wall surface to prepare the surface even and smooth i/c all cost of material, labour and scaffold etc in all position complete.  | 47.379 | Sqm |  |  |
| 10 | 13.49 | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:   | 47.379 | Sqm |  |  |