

**NAME OF WORK:-Providing Facilities For Disable Persons at Kumar Chhatralay Radhanpur Ta: Radhanpur Dist: Patan.**

## **INDEX OF SPECIFICATION**

<b>Tender Item No.</b>	<b>Description of Item</b>	<b>Volume No.</b>	<b>Item No. as per Standard specification booklet</b>	<b>Page No. as per Standard specification booklet</b>	<b>Remarks</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>1</b>	Providing and fixing coloured self adhesive PU-Tactile tile, ground surface indicators (made of Polyurethane) of size 300mmx300mm for guiding/direction/warning to the visually impaired visitors in the centre/side of the pedestrian/approach pathway as per design/specification and guidelines complete in all respect to the entire satisfaction of Engineer-in-charge (NS)		<b>As Per Separate Sheet Attached</b>		
<b>2</b>	Providing and fixing acrylic multilingual Braille (raised dots) DIRECTIONAL SIGNBOARDS of size 6" x 9" designed as per accessibility standards and having 4mm thick acrylic base plate with Upper Case San Serif words made of white acrylic non glare cut out letters of height 15mm raised not less than 0.8mm above base plate and the equivalent word written in Hindi with Devanagari non glare acrylic letters of height 15mm raised not less than 0.8mm above base plate and having a non-glare acrylic cut arrow pointing in the required direction. Each signboard to be fixed as per manufacturers specifications on the wall at the approved location and at a height of 1200mm from FFL complete as per design/specifications and guidelines as per the entire satisfaction of the the Engineer-in-charge (NS)		<b>As Per Separate Sheet Attached</b>		

<b>Tender Item No.</b>	<b>Description of Item</b>	<b>Volume No.</b>	<b>Item No. as per Standerd specification booklet</b>	<b>Page No. as per Standerd specification booklet</b>	<b>Remarks</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>3</b>	Providing and fixing acrylic multilingual Braille (raised dots) signboards (DOOR SIGNBOARDS) of size 6"x 9" for room titles, designed as per the drawings issued and having 4mm thick blue acrylic base plate with Upper Case San Serif words made of white acrylic non glare cut out letters of height 15mm raised not less than 0.8mm above base plate and the equivalent word/s written in Hindi with Devanagari non glare acrylic letters of height 15mm raised not less than 0.8mm above base plate. Grade 2/ Grade 1 Braille to be integral with the sign face and be raised 0.5mm above base plate. Each signboard to be fixed as per manufacturers specifications on the wall adjoining the respective room door at a height of 1200mm from FFL complete as per design/specificaitons and guidelines as per the entire satisfaction of the the Engineer-in-charge (N.S)		<b>As Per Separate Sheet Attached</b>		
<b>4</b>	Providing & Fixing of Pictorial layout plan of size 900mmx600mm as approved design, made of 3mm thick acrylic non glare base plate and non glare cut out symbols with grade One Braille on which individual facility points, like inquiry, reception, restrooms, medical room/ first aid, cafeteria or breakout area, lounge, meeting room, conference room etc. present the respective floors with pictograph wherever needed all in tactile raised by minimum of 1to2 mm in various colours to make it legible for seniors, partial vision impaired etc. All the facility names should be in Braille, along with English or Hindi.The entire block of tactile signs should be mounted on wall or on a slant/ inclined frame for easy reading. The map to be installed at specified locations and installed at a height of 800mm from ground level complete in all respect as per Harmonized guideline & satisfaction of Engineer-in-charges. ( N.S)		<b>As Per Separate Sheet Attached</b>		
<b>5</b>	Providing and Fixing Ramp Railing Braille Signage of Size 200x50mm Made From 0.5mm SS 304 Grade Matt Finish Braille dots of 1.5mm braille dots are embossed precisely and are uniform in Size and spacing of Required location with required texts as per Instruction of Engineer in Charge.		<b>As Per Separate Sheet Attached</b>		

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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>6</b>	Road marking with hot applied thermoplastic paints with reflectorising glass beads on bitumin surface providing and laying a hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250gms per sqm area, thickness of 2.5mm is excluding of surface applied glass beds as per IRC:35-2015. The finished surface to be level, uniform and free from streaks and holes. zebra patta /bump patta lane/center line/ edge line/cut patta. The white color marking should provide luminance coefficient on cement road shall be min 130 mcd/m <sup>2</sup> /lux and Asphalt road shall be min 100 mcd/m <sup>2</sup> /lux during the service life during the day time. The marking should meet the performance criteria for night time reflectivity, wet reflectivity and skid resistance as mentioned in the section-15 of IRC 35-2015. Warranty for the Retro reflectivity should be two years.		<b>As Per Separate Sheet Attached</b>		
<b>7</b>	Providing and Fixing CRUSE SET of CERA for handicape Toilet Including all Necessary Parts like One Piece EWS S Trap 300 mm with Soft Close Seat Cover, CRANE Wall Hung Washbasin 665 X 545 X 190 mm With Single Lever Clinical Faucet also Including Two Piece Wall Mounted Grab bar 600 mm Long ,Wall Mounted Hinged Hand Rail 750 x 100 with all Material and Fixing Charge as per instruction of Engineer In Charge		<b>As Per Separate Sheet Attached</b>		
<b>8</b>	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 (1-Lime putty :1.5 coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	<b>Bldg. Speci. Booklet</b>	<b>14.43 (A)</b>	<b>98</b>	
<b>9</b>	Providing and fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws.(B) 600mm x 20mm size.	<b>Bldg. Speci. Booklet</b>	<b>23.144(B)</b>	<b>169</b>	
<b>10</b>	Providing and fixing 600mm x 120mm glass shelf with C.P. brass bracket and guard rail complete mixed to wooden plug with C.P. brass screws.	<b>Bldg. Booklet</b>	<b>23.144 (B)</b>	<b>169</b>	<b>CP brass guard rail with 600 mm x 120 mm glass shelves</b>

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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
11	Providing and fixing 600 mm x 450 mm beveled edge mirror of superior glass mounted on 6 mm thick A.C sheet or plywood sheet or PVC framing and fixed to wooden plugs with C.P. brass screw and washers.	Bldg. Speci. Booklet	23.143	169	
12	Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Bldg. Speci. Booklet	23.80	162	The fixing of shall be 40 mm dia U.P.V.C. pipe instead of PVC pipe.
13	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Bldg. Speci. Booklet	23.80	162	The fixing of shall be 25 mm dia U.P.V.C. pipe instead of PVC pipe.
14	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Bldg. Speci. Booklet	23.80	162	The fixing of shall be 15 mm dia U.P.V.C. pipe instead of PVC pipe.
15	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 75 mm diameter with jali of the following nominal diameter of self cleansing design with C.I screed down or hinged grating including the cost of cutting and making good the walls.	Bldg. Speci. Booklet	23.87.	164	PVC SWR 100 mm Nahni trap instead of Cast iron (Spun) Nahni trap.
16	Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (i) 15mm dia.	Bldg. Speci. Booklet	23.92(B) (I)	170	
17	Providing and fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete.(ii) 25mm dia.	Bldg. Speci. Booklet	23.00.	171	

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<b>18</b>	Providing, laying and jointing in true line and level 110 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diameter x 149 mm length x 145 mm height at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	<b>Bldg. Speci. Booklet</b>	<b>23.80</b>	<b>162</b>	<b>The fixing of shall be 110 mm dia U.P.V.C. pipe instead of PVC pipe.</b>
<b>19</b>	Providing and laying white glazed tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	<b>Bldg. Speci. Booklet</b>	<b>14.32</b>	<b>96</b>	
<b>20</b>	Providing and laying anti skid Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) finishing with flush pointing in white cement.	<b>Bldg. Speci. Booklet</b>	<b>14.29</b>	<b>97</b>	
<b>21</b>	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	<b>Bldg. Speci. Booklet</b>	<b>20.23.</b>	<b>148</b>	
<b>22</b>	Dismantling sanitary fittings like wash basin . W.C. pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift.	<b>Bldg. Speci. Booklet</b>	<b>20.001.</b>	<b>151</b>	
<b>23</b>	Providing and fixing wash down water closet Wall Hung W.C. Pan with integral P or S trap and Metropole Flush Valve with complete fittings including cutting holes in walls and making good the same connecting the flush bend with cistern and closet etc. complete including plastic seat cover and including jointing trap with Waste pipe overall size as per the selection of the Model by E.I.C. or as approved}	<b>Bldg. Speci. Booklet</b>	<b>23.112 (A) 23.117 23.00.4. 23.146.(A)</b>	<b>165 166 171 169</b>	<i>Wall Hung W.C.Pan instead of European w.C.Pan. &amp; Item included Metropole Flush Valve , Soft Close seat cover (Cat. No.B1520118),</i>

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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>24</b>	Providing and fixing 90 cm high Stainless steel railing 304 Grade made from anticorrosive S S pipe of 50 mm dia (16Gauge) as hand rail with S S 32 mm dia (16Gauge) as a vertical support fixed in RCC slab at 1.2m c/c including three horizontal S S pipes of 16 mm dia (16Gauge) at equal distance fixed by 18.75 mm dia (16Gauge) S S pipe including accessories as per detailed drawing as directed etc. complete.		<b>As Per Separate Sheet Attached</b>		
<b>25</b>	Excavation for foundation up to 1.5 M. depth incl. sorting out and stacking of useful materials and disposing of the excavated stuff up to 50 Meter. lead in (A) Loose or soft soil	<b>Bldg. Speci. Booklet</b>	<b>4.0.0.(A)</b>	<b>29</b>	
<b>26</b>	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	<b>Bldg. Speci. Booklet</b>	<b>5.3.2.(A)</b>	<b>38</b>	
<b>27</b>	Providing and laying controlled cement concrete M-150 and curing complete including the cost of form work and excluding reinforcement for reinforced concrete work in : (a) Foundations, footings Bases of columns and the like and Mass concrete.	<b>Bldg. Speci. Booklet</b>	<b>5.8.1 (A) 9.1.(A)</b>	<b>46 63</b>	
<b>28</b>	Providing corrugated 0.5mm thick double coated Trafford sheet roofing fixed with galvanized iron J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washer filled with white lead complete excluding the cost of purlins, Rafters and Trusses (1) 0.50 mm thick sheet.	<b>Bldg. Speci. Booklet</b>	<b>15.1</b>	<b>104</b>	<b>Double coated Trafford 0.50 mm thick sheet instedof G.I. 0.8 mm thick Sheet.</b>

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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>29</b>	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint & two coat of Oil Paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like	<b>Bldg. Speci. Booklet</b>	<b>11.4 (A)</b>	<b>80</b>	

Dy.Executive Engineer  
R & B Sub Division  
Radhanpur