

JUNAGADH (R & B) DIVISION**JUNAGADH****Name of Work : Renovation of Dist. Tejory Office At Bahumali Bhavan . Junagadh.****:: Specification Index ::**

(i) civil Work			
Item. No.	Description of Item	Item No / Page No of the applicable specification	Remarks
1	2	3	4
1	Providing and Fixing Low Hieght Decorative Composite partiton of wooden, gap as per drawing or as directed by engineer-in-Charge, Using 8 mm thick ISI marked Ply on both side fixed on a teakwood framing grid of teakwood member Size 65 mm x 38 mm at 600 mm C/C on Vertical side and on horizontal side as per design or as directed by Engineer -in - Charge. Wooden portion consists of both side 12 mm thick ply with 1 mm thick vinyl wooden lamination sheet on outer side of ply Colour & Design of Lamination is as per Drawing or as directed by Engineer-in- Charge. Glass portion consist of 5 mm thick toughned glass with wooden framing. The Partion also includes door When necessary as per drawing by using 8mm ply on both side with 1 mm thick lamination including frame of 25mmx75mm included,beading on outer side, good quality door closer, godrej lock, SS hinges etc. Rates includes all Labour, Material, Screw, Khilli, Fevicol, PU finish on outer side of ply including all taxes Etc. complete. All Material to be used as approved by Engineer-in-Charge	As per Atteched Her With	
2	Providing and Fixing Full Hieght Decorative Composite partiton of wooden, glass and gap as per drawing or as directed by engineer-in-Charge, Using 8 mm thick ISI marked Ply on both side fixed on a teakwood framing grid of teakwood member Size 65 mm x 38 mm at 600 mm C/C on Vertical side and on horizontal side as per design or as directed by Engineer -in - Charge. Wooden portion consists of both side 12 mm thick ply with 1 mm thick vinyl wooden lamination sheet on outer side of ply Colour & Design of Lamination is as per Drawing or as directed by Engineer-in- Charge. Glass portion consist of 5 mm thick toughned glass with wooden framing. The Partion also includes door When necessary as per drawing by using 8mm ply on both side with 1 mm thick lamination including frame of 25mmx75mm included,beading on outer side, good quality door closer, godrej lock, SS hinges etc. Rates includes all Labour, Material, Screw, Khilli, Fevicol, PU finish on outer side of ply including all taxes Etc. complete. All Material to be used as approved by Engineer-in-Charge	As per Atteched Her With	
3	Providing and fixing of Sliding glass door without door frame. The Door with 12mm Clear Toughened Glass with slim profile frame in periphery of Glass with film on glass or as per mentioned in design. Door with Necessary Hardwares required like Top Bottom Patch fittings with top Sliding Chenal, Pull Handle & Floor Chenal. Door with designer film to maintain the privacy. Film with necessary Groove or design cutting if required by Architect. All materials like Aluminium Profiles, Hardwares and accessories should have to be from approved make list and with approval from consulting Architect & Engineer-in-charge. The work shall be done as per the approved shop drawings specifications, sample approved and as directed by the Architect and Engineer-in-charge	As per Attached Her With	

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4	<p>Providing And Arranging table top made of 36mm thick MR grade plywood with nail curvica Laminate finish. Leg & frame to be made from 50 x 50 x 1.6mm size & 50mm x 25mm x 1.8mm size CRC Square pipe powder coated 50 micron finish with levlar Apron 18 mm thick MR grade plywood with Laminate finish. side table top made of 36mm thick MR grade plywood with nail curvica Laminate finish. side & shutter made of 18 mm thick MR grade plywood with Laminate finish Including all materials and labour etc. Mesurment on Tabale Top Complete as per drawing and instruction of engineer-in charge. Table -1 - size : Depth 900 to 750 mm</p>	As per Atteched Her With	
5	<p>TABLE TYPE-01 (Custom Made Commissinor Main Table) : Providing and fixing table unit consist main table with side storage ,back storage with pedestal unit with all necessary accessories keyboard, CPU stand ,cable manager, modesty panel etc with all required necessary accessories.</p> <p>Main Table top : 2000(L) x 1050(W) x 750 (H)mm Side table - 1050 (L)x 600(W) x 750 (H)mm side table unit -510 mm Dia (half Round as per DWG)</p> <p>1. Main Table Top: 50 MM th top Made from beveled edge finish 4 mm th coloured glass Saint gobain /equivallant approved make and shade/ veneer + 19 MM th IS-710 ply + 19 mm th IS-710 ply+4 mm th veneer finish with semi gloss PU polish.</p> <p>2. Main table front : As per detail drawing and reference image made form 19 mm th IS-710 ply with rwith veneer finish</p> <p>3. Verticle support: As per detail drawing and reference image made form 61 mm th verticle support 4 mm th Veneer gurjan base ply + 19 MM th IS-710 ply +35x35 x 2.6 mm thick metal box of tata or equivalent+ 19 mm th IS-710 ply+ 4 mm th Veneer gurjan base ply with require edge finish teak wood/SS as per architect suggestion. Side storage: Storage body is made of 19mm IS-710 ply with veneer finish and inner side 1.5 mm thick laminate finish including require nos of drawer and shutter all type of fittings , fixtures, hardware Hettich/Haffle make etc complete .SS 304 grade conceal handle shall be provide as per approved selection & detailed drawing and instruction of Architect/EIC. 8. Pedestal unit(500x500X545): Pedestal bodys made of 19mm IS-710 ply with veneer finish and inner side 1.5 mm thick laminate finish including require nos of drawer with all type of fittings , fixtures, hardware Hettich/Haffle make etc complete .SS 304 grade conceal handle shall be provide as per approved selection & detailed drawing and instruction of Architect/EIC.</p> <p>Main Table top : 2000(L) x 1050(W) x 750 (H)mm Side table - 1050 (L)x 600(W) x 750 (H)mm side table unit -510 mm Di</p> <p>4. Wire management: one way or two way open able flip top box mounted on table top squeeze :A special flexible rubber component that allows easy and safe passage of wires.</p> <p>5. Writing pad: Made from approved leather finish with require accessories</p>	As per Atteched Her With	
6	<p>Providind and Arranging Medium Back Chair - Seat & back cushioned on ply, aluminum die casted arms with cushioned pad, Synchro mechanism with single back lock , gas lift , chrome base. Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge. Size : max. Height 1070mm, Min. 970mm, Seat: 490mm x 510 mm, Back : 640 mm x 510 mm Medium Back Chair</p>	As per Atteched Her With	

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1	2	3	4
7	Providing and Arranging Cushioned Seat & back, PP outer back cover, PP arms, Single back lock, Push back mechanism, gas lift for seat height adjustment, five prong Nylon base with twin wheel nylon castor. Including all materials and labour etc. Complete as per drawing and instruction of engineer-in charge. Size : Max. Height 1020mm Min. Height 930 mm, Seat : 500mm x 460mm , Back: 500mm x 440 mm Low Back Chair :	As per Attached Her With	
8	(2 Seater sofa - Custom Made Sofa) : 2100mm (L) x 750 mm (B) x 750 mm (H), The seat shall 150 mm th 40 density & back shall be 32 density foam & finished in Approved fabric upholstery as per the drawing/image and instruction from Architect/EIC all external & internal exposed woodwork to be finished in PU semi gloss finish polish. .The work shall be done as per the approved shop drawing (to be prepared by contractor), specifications, sample approved and as directed by the Architect and Engineer-in-charge. The rate shall be for complete item inclusive of all material, labour, wastages, necessary tools & tackles, approved make for all floors, all heights, all levels and all places within campus. Contractor shall do all the needful and shall fulfill Architect's design intent. No additional claims will be entertained for this. Rate shall inclusive of shop drawing ,mock up sample, all materials, loading, unloading, all taxes, transportation, placing at all floors and for all leads, all accessories as described in item description. As approval of architect. (2 Seater sofa - Custom Made Sofa) : 2100mm (L) x 750 mm (B) x 750 mm (H)	As per Attached Her With	
9	Providing and Arranging corner table made from 37mm x 37 mm Indian teakwood leg and top frame made from 37mm x 75mm Indian teakwood having 18 mm thick Ply and 4mm thick Veneer with melamine polish and 0.8mm thick balancing laminate at bottom for shelf made with surrounding Indian teakwood frame of size 37 mm x 12 mm the top having 12 mm thick glass with edge finish to be placed properly in groove made. Surface to be finished with melamine polish Including all materials and labours etc. complete as per drawing and instruction of engineer-in charge. Corner Table : size - 600mm x 450mm x 450mm	As per Attached Her With	
10	Providing and Arranging Center table made from 37mm x 37 mm Indian teakwood leg and top frame made from 37mm x 75mm Indian teakwood having 18 mm thick Ply and 4mm thick Veneer with melamine polish and 0.8mm thick balancing laminate at bottom for shelf made with surrounding Indian teakwood frame of size 37 mm x 12 mm. The top having 12 mm thick glass with edge finish to be placed properly in groove made. Surface to be finished with melamine polish including all materials and labours etc. complete as per drawing and instruction of engineer-in charge. Center Table : size - 900mm x 600mm x 450mm	As per Attached Her With	
11	Supplying ,Fixing and commissioning of TV Cabinet Providing and fixing at site TV Cabinet of approved design & Drawings to be made up of 18.0mm BWP Ply, and finished with approved shade of Laminated finish, including all accessories, space for fixing of TV, Necessary shelves, all accessories etc complete	As per Attached Her With	

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12	Providing & fixing Wooden cupboard size Custom and depth 0.60 mt using 12mm thick plywood all proof, on back side both side top bottom and shelves are of 19 mm thick ply & shutters are of 12mm thick ply all proof with teakwood batten & 1 mm lamination in single or double shade & colour as directed on all visible face and 1.00 mm lamination on all non visible faces including SS fixtures & fastening, Godrej lock etc. good quality as directed by engineer-in-charge etc. complete. Wooden Cupboard : size - Depth 600mm	As per Attached Her With	
13	Over hed File Storage Unit :- Size Custom Length and Depth 600mm Providing and Arranging Overhaed Unit with top 18mm overall thickness made from 18 mm thick MR grade plywood with 1.00 mm thick Laminate finished polish. Side made of 18mm thick MR grade plywood with 1.00 mm thick Laminate finish and inside 0.8mm thick balancing laminate of approved shade. Godrej make lock with Two keys and shutter fixed with auto hinges including . all necessary fixtures and fastening as approved and back of the unit with 6mm thick MR grade plywood with 0.1 mm thick laminate of approved shade with nylon bullet including all materials and labour etc. Complete as per drawing and instruction of Engineer-in charge Over hed File Storage Unit : size - Depth 600mm	As per Attached Her With	
14	FlutedWall PANELING With Polish/PU Finish: Providing & fixing with Sheet metal screws/Nylon grip screws of Corro-shield /Fischer and shall be supported by filling required size wedges /washers/ MS wall connectors or packings of teak wood /MS washers to ensure right angles and plumb level. Fluted panel, adhesive ,tape, headless nails etc ,finished with Polish/PU paint & in pattern as shown in the drawing. Rate shall be inclusive grooves etc complete as per drawing or as directed by EIC/ Architect.	As per Attached Her With	
15	Providing and fixing of planter/pots of frp or plastic with artificial indoor plants as per selection and complete the work satisfactorily as per instruction of Architect -or Engineer-in charge	As per Attached Her With	
16	Providing and Fixing Blackout Roller Blinds with fabric of 0.53mm thickness and Top channel of non-rusting aluminium alloy with 1.25mm thickness and bottom channel of 1.50mm thickness & 21mm diameter. Tilt channel of ABS plastic with 1.50mm polyester cord with 4.50mm balls with stop lock arrangement including all necessary fixture, fastners, fittings, labour material machinery etc complete as selected and directed by Engineer Incharge. Roller Blinds	As per Attached Her With	
17	Providing and Fixing fiber acoustic false ceiling of size 595 x 595 x 20mm thick is made fine micro glass fibre as per the below mentioned specifications. Colour: Plain White, Black, Core: Soft fiber, suspended ceiling system which includes silhout main-T of size 38x15x0.35mm at every 1200 c/c and cross T of size 38x15x0.35mm are fixed to Main T at 1200/600 mm c/c. Wall angle of size 22x22x0.40mm then fixed along the perimeter of wall with the suitable fasteners. The suspension is done with all accessories like Soffit cleat, levelling clips & wire rods as per dwgs. T-Grid System. Characteristics: 0.9 NRC broadband sound absorption, highest for modular ceilings. White surface finish with fine monoilthic texture for high light reflectance, less lighting requirements. Black surface for full light absorption. At 1.5-3kgs/m2, does not contribute significantly to structural load of building including all accessories, material & labor complete as directed by Architect / Enginee	As per Attached Her With	

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18	Providing and fixing Key Board pull out tray made out of high quality foil pressed on pre-laminated MDF with side mouse pad tray having height adjustment on mounting brackets with smooth sliding operation and with removable drawer with latches having load carrying capacity of 12.00 kg incl. all necessary fixtures, fasteneres , labour and material as directed by Engineer-in-charge. Key Board Tray (705 x 284 mm size)	As per Attached Her With	
19	Providing and fixing Telescopic CPU stand made from M.S slim stores CPU under the table with soft anti vibration pads and adjustment width of 45mm to 100 mm having height adjustment from 310mm to 530 mm and safe load carrying capacity of 20.00 kg finished with powder coating of 50 micron thickness incl. all necessary fixtures , fasteneres , labour and material as directed by Engineer-in-charge. CPU Trolley	As per Attached Her With	
20	Providing and Arranging FOOT REST made up of high impact polystyrene having over all size 450 mm x 350 mm with tilts of 0o to 20o for angular movement and non slippery platform surface including all materials and labour etc. complete as per drawing / Photographs and instruction of engineer-in charge	As per Attached Her With	
21	Providing and Arranging three seater gang seater having seat and back made from CRCA capsular Tubular frame welded with perforated Die moulded CRCA sheet. base frame made from round Tubular welded with horizontal beam Two side armrest welded with frame including finishing metal parts with epoxy polyester powder coating of 50 micron thickness Including all materials and labour etc. Complete as per drawing and instruction of engineer-in charge	As per Attached Her With	
22	Removing dry or oil bound distemper by a washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete.	Building Work Booklet 18.33/P.129	
23	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.	Building works Booklet 20.23 / P.148	
24	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(i) Not exceeding 3 Sq.M. in area.	Building Work Booklet 20.49/P.150	
25	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(ii) Exceeding 3 Sq.M. in area..(S O R Peg no.150 item no.20013b)	Building Work Booklet 20.49/P.150	
26	Dismantling steel work including distemping and stacking the materials with all lead and lift.	Building Work Booklet 20.43/ P.150	
27	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil.	Building Work Booklet IT No 4.00(A) /P.29	
28	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc complete	Building works Booklet 18.51 / 135	
29	Applying two coats of Birla (white cement based) or Asian (acrylic lapy-putty) or equivalent & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth	Building works Booklet 18.59 / P137	

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30	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	Building works Booklet 18.57 / P136	
31	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concnecration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S .	Building works Booklet 20.00.9 / P.157	
32	Providing and fixing Four track sliding window standard extruded color anodized aluminum section equivalent to jindal series E (30mm) section numbers frame bottom track 21198 frame top & sides 21204, shutter & bottom top rail 20993, side rails 205553, interlock rails 20550. with Three Shutter 5 mm thick transparent Tinted Float glass, and Two shutter with Stainless Steel Wiremesh shutters {In Single Track}, rubber gasket, air lock strip and finishing joints with silicon sealant, with standard extruded colour anodized aluminium coated fittings and fixture & fastening etc complete. {Colour as directed by Engineer in charge & Aluminium section shall be Jindal or equivalent brand and glass of Modiguard, AIS or equivalent brand	As per Atteched Her With	
33	Providing and fixing Three track sliding window standard extruded color anodized aluminum section equivalent to jindal series C (30mm) section numbers frame bottom track 21203 frame top & sides 20387, shutter & bottom top rail 20993, side rails 205553, interlock rails 20550. with Two Shutter 5 mm thick transparent Tinted Float glass, and one shutter with Stainless Steel Wiremesh shutters {In Single Track}, rubber gasket, air lock strip and finishing joints with silicon sealant, with standard extruded colour anodized aluminium coated fittings and fixture & fastening etc complete. {Colour as directed by Engineer in charge & Aluminium section shall be Jindal or equivalent brand and glass of Modiguard, AIS or equivalent brand	As per Atteched Her With	
34	Providing and Fixing Machine cut, free edges, machine polished Granite stone slab 18 mm thick for Doors/Windows Cill and Jambs cladding as per design including full molded round front edge and 1 cm nosing and laid on 10 mm thick cement mortar 1:3 (1 cement:3 coarse sand) jointed with grey cement slurry including rubbing and polishing finishing etc complete. (As Per RA)	Building works Booklet 14.44 /P. 99 (The work shall be carried out in Granite Stone 18 mm Thick)	
35	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame alround, square or round bars with round headed bolts and nuts or by screws (A) Plain Grill.	Building works Booklet 10.100 (A) / 75	
36	Painting two coats (including priming coat) on new steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	Building works Booklet 19.70/138 19.12/139	

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37	Repairing and Refixing existing window/door providing & fixing necessary all fixtures and fastening cutting edges for smooth opening, damaged part of glass and Wooden member like bottom rail, style and shutter glass etc. and closing including fixing the shutter on stone / wooden / MS frame with labour including cutting bottom edge of door to match with flooring with necessary repairing to frames etc. complete	As per Attached Her With	
38	Providing and fixing FRP frame size 100x50 mm and 28mm thick FRP depress panel shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected fire retardant grade polyurethane foam done in situ along with embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & aluminium fixtures & fastenings & fastener sleeve.	As per Attached Her With	
39	Providing and fixing 25 cm Wide & 3mm thick exterior composite panel on existing expansion joint horizontally & vertically with all material, hardware, accessories & fittings etc completed.	As per Attached Her With	
40	Providing and filling the expansion joint by Thioflex 600 polymer or equivalent confirm to BS 4254-1983 as per required shade and manufactured specification by making groove of 50 mm x 12.5 mm lather by cutting or by repairing groove and removing mortar drop or any other foreign materials including applying primer and filling required size (oversize of joint PU foam etc. complete.	As per Attached Her With	
41	Providing and laying machine cut free edges, machine polished Granite (single piece not more than 1.50 mt) of even grade 18 mm (Average) thick for steps and riser as per design incl. rounded front edge & 1 cm nosing in trade of steps laid on 20 mm thick cement mortar 1:6 (1 - cement : 6 coarse sand) on treads & 10 mm thick Cement mortar 1:3 for risers, jointed with grey cement slurry including 3 nos of 1mm Grooving and rubbing	Building works Booklet 14.44 /P. 99 (The work shall be carried out in Granite Stone 18 mm Thick)	
42	Providing sandwich type granite 18 mm thick cooking platform of 60 cm width and 70 cm height including 25 mm thick polish kota stone at bottom of granite and bottom flooring using 20 mm thick C.M.1:6 including vertical and bottom polish kota stone for kitchen sink, granite panipatti and vertical support for granite, all labour and material half round moulding etc. complete as per design excluding cost of kitchen sink and vertical, horizontal support and shelves for storage.	As per Attached Her With	
43	Providing and fixing AISI 316 Grade stainless steel knock down railing system comprising 50mm dia railing fixed on 38mm dia SS Balustrade of 900mm height placed at maximum 1200mm C/C distance along with three SS horizontal members of 19mm dia connected at the side of balustor with SS brackets. The balustrade shall be mounted on floor with base plate using specially designed anchor fasteners and concealed by AISI 316 Grade SS base cover cap (Wall thickness of pipes shall be taken as 1.50mm along with all visible component developed in high grade SS and wherever required, joints to be filled with bushings for extra strength).	As per Attached Her With	

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44	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finished with flush pointing & cleaning the surface etc. complete for light shade	Building works Booklet 14.43(B)/99 (The work shall be carried out in Vitrified stiles)	
45	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" 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	Building works Booklet 14.44/99 (The work shall be carried out in Vitrified stiles)	
46	Providing and laying coloured glazed tiles of the size 300 mm x 200 mm x 8 mm / 300 mm x 450 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	Building works Booklet 14.32/97	
47	Providing and laying machine cut free edges, machine polished Granite slab flooring over 20mm (average) base of cement mortar 1:6 (1-cement : 6coarse sand) or L.M. 1:1.5(1- lime putty : 1.5 - coarse sand) laid and jointed with gray cement slurry including rubbing and polishing complete. (A) Granite Slab (18 mm thick)	Building works Booklet 14.44 /P. 99 (The work shall be carried out in Granite Stone 18 mm Thick)	
48	Providing and laying machine cut free edges, machine polished Granite (single piece not more than 1.50 mt) of even grade 18 mm (Average) thick for steps and riser as per design incl. rounded front edge & 1 cm nosing in trade of steps laid on 20 mm thick cement mortar 1:6 (1 - cement : 6 coarse sand) on treads & 10 mm thick Cement mortar 1:3 for risers, jointed with grey cement slurry including rubbing	Building works Booklet 14.44 /P. 99 (The work shall be carried out in Granite Stone 18 mm Thick)	
49	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings make 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 cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	As per Attached Her With	
50	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings make 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 cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	As per Attached Her With	
51	Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings make 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 cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	As per Attached Her With	
52	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.	As per Attached Her With	

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53	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure polythene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(F) 75mm.	Building works Booklet 23.8 / 162	
54	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 scread down or hinged grating including the cost of cutting and making good the walls.	Building works Booklet 23.87 /P. 164 (The Nahni trap shall be fixing PVC SWR Nahni Trap IS 14735)	
55	Providing and fixing wash basin with single hole for pillar tap with C.I or M.S. brackets painted white including cutting holes and making good the same including fitting (A) Vitreous china : (II) Flat back Wash basin 550mm x 400mm size in white colour including providing and fixing M.I. fisher union, C.P. Brass waste coupling 32 mm dia and . Rubber Plug ,C.P. brass pillar tap of 15 mm dia. with capstain head C.P.Brass Bottle Trap etc complete	Building work booklet It.No.23.127. / P.No.167 + It.No.23.135 (A) / P.No.168+ It.No 23.136.(A)/ P.No.168 + It.No 23.96.(A)/ P.No.171+ It.No.23.95 (A) / P.No.170	
56	Providing and fixing Kitchen sink with C.I. or M.S. brackets, painted white including cutting holes in walls and making good the same but excluding fittings. SS Sink Glosy ASIS 304 Grade x 1mm thick with over all size 510x432mm & bowl size 445x368x190	Building works Booklet 23.130.C / 167 (Work Done With SS 304 Sink)	
57	Providing and fixing wash down white vitreious china water closet EUROPEAN TYPE W/C PAN of size 555x360x390mm (Standared Company) Make with intergal "P" or "S" trap including jointing the trap with pan and soil pipe in vitereous china white colour. Rate inclusive of providing and fixing PVC Flush Tank & Soft seat cover of the same make	Building works Booklet 23.112(A) / 165 23.115/165	
58	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	Building works Booklet 23.92(B) / 170	
59	Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet.(A) 100mm dia.	Building works Booklet 23.141(A) / 168	
60	Providing and fixing Gun metal check or non-return fullway wheel valve.(A) 25mm dia.	Building works Booklet 23.99 (A) / 171	
61	Providing and fixing Gun metal check or non-return fullway wheel valve.(E) 40mm dia.	Building works Booklet 23.99 (E) / 171	
62	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick AC sheet or plywood sheet and fixing to wooden pluge with CP brass screws and washers.	Building works Booklet 23.143 / 169	
63	Providing and fixing CP Brass towel rail complete with CP Brass brackets fixed to wooden plug with CP brass screws (B) 600mm x 20mm size.	Building works Booklet 23.144(B) / 169	
64	Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	Building works Booklet 22.00.6 / 173	
65	Providing erecting and fixing double coated Syntex PVC. (ISI) water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	As per Atteched Her With	
66	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(C) Hard Murrum	Building Work Booklet IT No 4.00(C) /P.29	
67	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- Crushed stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	Building works Booklet IT No 5.3.2 (A) / P. 38	

Item. No.	Description of Item	Item No / Page No of the applicable specification	Remarks
1	2	3	4
68	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC : SP 63-2018 etc. Complete.	As per Attached Her With	
69 To 129	All Electrical Items shall be carried out as per detailed specification of Electrical items and as per Instruction of Engineer-in-charge	As per attach Here Electric Item Specification	

Executive Engineer
R & B. Division
Junagadh