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## Percentage BoQ

Tender Inviting Authority: The Registrar, Nalanda University

Name of Work: Interior works for various buildings including Wooden Partition work, Wood work, Glass partition, Acoustical work, Fixed Furniture, Blinds, carpets, False Ceiling, White board, Tack Board, Aluminum work, Fabrication work, etc. for the Priority Buildings at the Permanent Campus of Nalanda University (NU), Rajgir, Bihar.

Tender Ref. No: NU/Engg/NIT/82/2018-19/02(Re) dated 21 Dec 2018

Name of the Bidder/ Bidding Firm / Company :	
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### PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	6	7	8
1	Wooden Slats Wall Paneling Supply & installation of wall panelling made of pinewood E1 grade fiberboard, melamine/veneer laminated finish, groove perforated L32-2 - (2mm grooves @ 32mm centers), backlined with Sound texblack acoustical fleece, tongue-groove edge for a seamless look, 5-test fire retardant grade/ Non FR, Acoustics NRC 0.65- 0.75 (For E300* Mounting), size 128x2440x16mm, volume density of base board 800 - 830 Kg/m3, 10-10.5Kgs/m2 (L32), installed by using Strut framework system. Slats to be backed with Synthethik PF 10x25 adhered to wall with stick .The Panneling shall be finished as per the drawings and to the satisfaction of the Engineer in Charge. All the support system shall be as per the Approved make list and the suspension system shall be got approved before starting installation at site. (For conferance room)	214.000	Sqm	5929.37	1268885.18	INR Twelve Lakh Sixty Eight Thousand Eight Hundred & Eighty Five and Paise Eighteen Only

2	<p>Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance &gt; 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 &amp;7)in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm ) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised @80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre &amp; 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be prepainted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge. With 16 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.55 to 0.6)</p>	776.000	Sqm	1836.01	<b>1424743.76</b>	INR Fourteen Lakh Twenty Four Thousand Seven Hundred & Forty Three and Paise Seventy Six Only
3	<p>Supply and Installation of , square edge, Mineral fiber core ceiling tiles of size 595x595x15/16mm having volume density 270 kgs/m3, weight 4kg/m2 which is suspended by using 0.3mm thick metal grid system. Tiles should have humidity resistance of 95% RH, NRC 0.5- 0.57(For E600 Mounting), Fire Resistance Class 1(UK) as per drawing, complete with powder coated, hot dipped galvanized steel grid suspension system , as per manufacturers' specifications. The Paneling shall be finished as per the drawings and to the satisfaction of the Engineer in Charge. All the support system shall be as per the manufacturer specifications and the suspension system shall be got approved before starting installation at site.</p>	289.000	Sqm	1134.13	<b>327763.57</b>	INR Three Lakh Twenty Seven Thousand Seven Hundred & Sixty Three and Paise Fifty Seven Only

4	<p>Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20mm made of 0.5mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300mm center to center, suspending the main C carrier of size 10x38x10mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000mm c/c Inverted triangle shaped Spring Tee having height of 24 mm and width of 34mm made of GI steel 0.45 mm thick is then fixed to the main 'C' carrier and in direction perpendicular to it at 600mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive) Fixing with clip in tiles into spring 'T' with : GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5mm thick with 25mm height, made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8mm dia holes and having NRC of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation.</p>	188.000	Sqm	1246.28	<b>234300.64</b>	INR Two Lakh Thirty Four Thousand Three Hundred and Paise Sixty Four Only
5	<p>Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanizing @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm center to center, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm center to center with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calcium silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening"for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanized steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm center to center along main 'T', bottom exposed with 24 mm of all Tsections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge. Note :- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/ opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection &gt; 85%, non- combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity &lt;0.043 w/mK.</p>	621.000	Sqm	1791.64	<b>1112608.44</b>	INR Eleven Lakh Twelve Thousand Six Hundred & Eight and Paise Forty Four Only

6	<p>Providing &amp; fixing false ceiling at all height including providing &amp; fixing of framework made of special section, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts &amp; bolts of required size and other end of angle hanger fixed with intermediate G.I channels 45 x15 x 0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5mm thick</p> <p>bottom wedge of 80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm center, with 25mm long dry wall screws @ 230mm interval, including fixing of Calcium Silicate Board to ceiling section and perimeter channels with the help of dry wall screws of size 3.5 x25mm at 230mm c/c, including jointing &amp; finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes, finishing with jointing compounds in three layers covering up to 150mm on both sides of joints and two coats of primer suitable for boards, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in charge but excluding the cost of painting with:</p> <p>(a) 12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095-Part I</p>	125.000	Sqm	1102.86	<b>137857.50</b>	INR One Lakh Thirty Seven Thousand Eight Hundred & Fifty Seven and Paise Fifty Only
7	<p>Providing and supplying Steel Writing Board for writing purpose using marker pen. Medium Density Fiber (MDF) Board to be covered with electrogalvanized steel sheet conforming to IS: 277-2003(Reaffirmed 2007),Amdts.1&amp;2, of 0.3 to 0.4 mm thickness on the front and with sheet of 0.25 mm to 0.03 mm thickness on the back side of MDF Board. Writing top surface of White Boards to receive e3 vitreous Enameled coating of 0.11 mm min thickness on top. Galvanizing on All other surfaces of Sheet steel to be of 0.03 mm min. thickness. The top surface of Writing board shall be free from waviness and shall show no scratches when HB to 3H pencils are used for writing. The surface shall show excellent erasability when the specified writing medium is used. It should be possible to fully erase the marking of permanent marker pens using methanol, without adversely affecting the e3 vitreous coating in any manner.</p> <p>The core material shall be 9 mm thick MDF board having Bulk Density of 750 kg per cubic meter and Grade-1 as per IS: 12406-2003 Edition 2.2. Both the top and the backing sheet shall be properly fixed with the MDF board using suitable adhesive with mechanical press to avoid any moisture absorption.</p> <p>The Writing board will be fixed to walls with the help of suitable size Stainless steel screws and wooden/PVC rowl plugs with teak wood Framing of 65 mm x 50 mm size on the periphery and 30 mm x 50 mm wide stiffeners on the backside.</p>	274.000	Sqm	5867.04	<b>1607568.96</b>	INR Sixteen Lakh Seven Thousand Five Hundred & Sixty Eight and Paise Ninety Six Only

8	Supply and Installation of Tack board acoustical panels, hardened square edge, FR grade NRC fabric (colour choice), wrapped on encapsulated glassfibre core panels made from size 600x1200x25mm, volume density 100-120Kgs/m <sup>3</sup> , weight 3.0kg/m <sup>2</sup> installed by using Strut Impale Clip. Panels should have Acoustics – NRC 0.9 (For D50 Mounting), Fire Resistance Class 1(UK) as per manufacturer specifications. The Paneling shall be finished as per the drawings and to the satisfaction of the Engineer in Charge. All the support system shall be as per the Approved make list shall be got approved before starting installation at site.	96.000	Sqm	6571.32	<b>630846.72</b>	INR Six Lakh Thirty Thousand Eight Hundred & Forty Six and Paise Seventy Two Only
9	Tack Board Panel – Supplying and fixing Tack board in line and level as per architectural drawing and as directed by engineer in charge. Tack board made of Fabric: Fine Jute Fabric of Color as approved during sampling on the front side. Thickness: of Jute Fabric 1±0.1 mm. The top surface should be smooth, finish, without any wrinkles, fungus proof, terminate proof & eye catching. The color should not fade even if the Tack board is fixed in Direct sunlight position. Soft Board: Thickness: 12.00 mm. thick Density of Soft board should be 2.5 kg/m <sup>2</sup> . Linear expansion/ contraction in range 33% to 90% RH @ 200 C: % max. 0.5. The core material is soft board. The board should be soft, resilient, light colored sheet material of approved make. Soft board with 12 mm thick beading on each side should be fixed to backside plywood with adhesive. Back Side plywood: The Backside of the Tack board to be supported with 12.00 mm thick marine plywood confirming to IS 710 of approved make. The plywood will be fixed to walls with the help of suitable size Stainless steel screws and wooden/PVC rowl plugs with teak wood support for levelling. Tack board with plywood to be fixed to wall/partition with suitable size SS Screws or equivalent Two way adhesive tape or with adhesive in such a way that screws are not visible from the front side of Tack board as per drawing and as directed by engineer in charge.	720.000	Sqm	3079.16	<b>2216995.20</b>	INR Twenty Two Lakh Sixteen Thousand Nine Hundred & Ninety Five and Paise Twenty Only
10	Providing & Fixing premium quality Manually operated Roller blinds with Solar protection fabric of high tenacity Polyester Yarn with PVC Coating & Grey Backing, & offer 100% blackout / heat radiance. Fabric shall have GREENGUARD (Gold) Indoor Air Quality & Children & School Certified.  Weight: 310 to 500 g/m <sup>2</sup> (+/-5%), Thickness: 0.47 to 0.55 mm (+/-5%), Fabric Openness Factor: 0%, Tensile Strength (Warp/Weft): 160/170 daN / 5cm, Tearing Strength (Warp/Weft): 11/13 daN, Solar Transmission- 0%, Solar Reflectance 25-69%, Solar Absorption 28-31%, Fungistatic Treatment: Degree 0, Excellent (EN ISO 846-A). Roller Tube shall be of extruded Aluminum alloy 38mm O.D (or as per system dimension) with a minimum wall thickness of 1.0mm duly anodized for long life. Clutch shall be wrap spring design with high strength fiberglass reinforced polyester assembly and high carbon steel springs to transmit motion from driving to driven members of clutch mechanism. Clutch shall operate by directionally with the use of an endless beaded chain. Clutch mechanism shall be crash proof, prevent slippage and shall raise and lower smoothly to any desired height. Clutch shall never need adjustment. Idler shall be of high strength fiberglass reinforced polyster,consisting of an outside sleeve and center shaft. Sleeve shall provide bearing surface for roller tube and rotate freely on center shaft, providing smooth, quiet and long wearing operation. Brackets shall be of tomised steel powder coated to give superior finish. Bracket shall accommodate overhead, side or face mounting with clutch assembly on either end of the roller. Bottom of the blind shall be provided with aluminum tube powder coated in a colour matching to the fabric. The fabric shall be enclosed in the suitably created pocket along with the tube. The tube shall be closed from sides with end caps to give a neat look.	758.000	Sqm	1753.51	<b>1329160.58</b>	INR Thirteen Lakh Twenty Nine Thousand One Hundred & Sixty and Paise Fifty Eight Only

11	<p>Providing &amp; Fixing premium quality Manually operated Roller blinds with Solar protection fabric of high tenacity Polyester Yarn with PVC Coating &amp; Aluminum Backing, &amp; Fungistatic Treatment and should block the light flux &amp; offer elimination of glare and sunlight / heat radiance. Fabric shall have visible light &amp; solar properties &amp; GREENGUARD (Gold) Indoor Air Quality &amp; Children &amp; School Certified.</p> <p>Fabric of the Blind : Composition: 39% Polyester / 61% PVC with Aluminum Backing. Weight: 290 to 320 g/m2 (+/-5%), Thickness: 0.32 mm (+/-5%), Fabric Openness Factor: 3% to 5%, Tensile Strength (Warp/Weft): 160/170 daN / 5cm, Tearing Strength (Warp/Weft): 11/13 daN, Backing: Aluminum Backing, Fungistatic Treatment: Degree 0, Excellent (EN ISO 846-A) Fire Retardancy: B-s2,d0/EN 13501-1, CLASS A/ASTM E84.</p> <p>Roller Tube shall be of extruded Aluminum alloy 38mm O.D (or as per system dimension) with a minimum wall thickness of 1.0mm duly anodized for long life. Clutch shall be wrap spring design with high strength fiberglass reinforced polyester assembly and high carbon steel springs to transmit motion from driving to driven members of clutch mechanism. Clutch shall operate by directionally with the use of an endless beaded chain. Clutch mechanism shall be crash proof, prevent slippage and shall raise and lower smoothly to any desired height. Clutch shall never need adjustment. Idler shall be of high strength fiberglass reinforced polyester, consisting of an outside sleeve and center shaft. Sleeve shall provide bearing surface for roller tube and rotate freely on center shaft, providing smooth, quiet and long wearing operation. Brackets shall be of tomised steel powder coated to give superior finish. Bracket shall accommodate overhead, side or face mounting with clutch assembly on either end of the roller. Bottom of the blind shall be provided with aluminum tube powder coated in a colour matching to the fabric. The fabric shall be enclosed in the suitably created pocket along with the tube. The tube shall be closed from sides with end caps to give a neat look.</p>	10.000	Sqm	2469.02	<b>24690.20</b>	INR Twenty Four Thousand Six Hundred & Ninety and Paise Twenty Only
12	<p>Providing &amp; Fixing premium quality Manually operated Roller blinds with Prestressed Micro-Aerated Solar protection fabric of high tenacity Polyester Yarn with PVC Coating &amp; Fungistatic Treatment and should block the light flux &amp; offer elimination of glare and sunlight.</p> <p>Fabric for Blinds: Composition: 40% Polyester / 60% PVC, Weight: 400 g/m2 (+/-5%), Thickness: 0.45 mm (+/-5%), Fabric Openness Factor: 3% to 4%, Tensile Strength (Warp/Weft): 220/220 daN / 5cm, Tearing Strength (Warp/Weft): 30/25 daN, Fire Retardancy: M2 (NFP92-507)-</p> <p>Roller Tube shall be of extruded Aluminum alloy 38mm O.D (or as per system dimension) with a minimum wall thickness of 1.0mm duly anodized for long life. Clutch shall be wrap spring design with high strength fiberglass reinforced polyester assembly and high carbon steel springs to transmit motion from driving to driven members of clutch mechanism. Clutch shall operate by directionally with the use of an endless beaded chain. Clutch mechanism shall be crash proof, prevent slippage and shall raise and lower smoothly to any desired height. Clutch shall never need adjustment. Idler shall be of high strength fiberglass reinforced polyester, consisting of an outside sleeve and center shaft. Sleeve shall provide bearing surface for roller tube and rotate freely on center shaft, providing smooth, quiet and long wearing operation. Brackets shall be of tomised steel powder coated to give superior finish. Bracket shall accommodate overhead, side or face mounting with clutch assembly on either end of the roller. Bottom of the blind shall be provided with aluminum tube powder coated in a colour matching to the fabric. The fabric shall be enclosed in the suitably created pocket along with the tube. The tube shall be closed from sides with end caps to give a neat look.</p>	315.000	Sqm	1458.73	<b>459499.95</b>	INR Four Lakh Fifty Nine Thousand Four Hundred & Ninety Nine and Paise Ninety Five Only

13	<p>Providing and fixing Motor for Motor operated blinds with remote over manually operated blinds of above items.</p> <p>Motor for the motorized Operation of the blinds to confirm the following requirements :  Rated Torque 6NM, RPM 28, Protection IP 44 and above, Rated Voltage 230 mm with suitable Remote to operate up to 4 nos. Motorized blind in a single room  The clutch is of wrap spring design. High carbon steel springs are provided to transmit motion from driving to driven members of clutch mechanism. Clutch is operated directionally by the use of Remote Transmission Service type Motor with Remote control. Clutch never needs any adjustment. The Idler is of high strength reinforced plastic, consisting of a center shaft. The idler is mounted on the heavy quality bracket (to Take the load of Blinds, Idler and the Motor Mechanism) by using a plastic lock. The metal sleeve inside the plastic lock provides bearing surface for the center shaft, which rotates freely, providing smooth, quiet and long wearing operation in a roller tube of 32mm (OD) (depending upon the size) aluminum extruded grooved tube made of alloy T6063 weighing 0.27kg/m. Control unit and Idler are fixed to the either ends of the tube comprising Roller Headrail which is made of aluminum extruded rail Power coated in white. Control unit and Idler are mounted on the Head rail with powder coated M.S. brackets The fabric of the blind is fitted to the tube with heavy duty adhesive tape. Bottom rail is an aluminum extruded rail with a groove for fixing the fabric and powder coated in white. It is fixed to the bottom of the fabric and the purpose of it is, to keep the fabric in tension and straight. The fabric is fitted to the tube using plastic insert. The end caps of the tube are ABS. The size of rail shall be 21mm (OD) made of Alloy HE 9 WP weighing 0.17kg/m. The fabric shall be attached to the roller tube with high quality self adhesive tape. . Operational action shall be smooth and up to the satisfaction and as per direction of engineer in charge .</p>	70.000	No	24378.49	<b>1706494.30</b>	INR Seventeen Lakh Six Thousand Four Hundred & Ninety Four and Paise Thirty Only
14	<p>Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.  (a)Hot finished welded type tubes</p>	9823.000	Kg	107.95	<b>1060392.85</b>	INR Ten Lakh Sixty Thousand Three Hundred & Ninety Two and Paise Eighty Five Only
15	<p>Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.  In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works</p>	583.000	Kg	102.80	<b>59932.40</b>	INR Fifty Nine Thousand Nine Hundred & Thirty Two and Paise Forty Only
16	<p>Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminum sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminum 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 paneling paid separately) .Anodized aluminum (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15)  (a) For fixed portion</p>	8431.000	kg	424.85	<b>3581910.35</b>	INR Thirty Five Lakh Eighty One Thousand Nine Hundred & Ten and Paise Thirty Five Only

17	Providing and fixing of wood work in frames of doors, windows, clerestory windows, partitions and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (a) : Second class teak wood.	15.000	Cum	110929.96	<b>1663949.40</b>	INR Sixteen Lakh Sixty Three Thousand Nine Hundred & Forty Nine and Paise Forty Only
18	Providing wood work in frames of Partitions with Glass/Wooden panels/Plywood Panels/gypsum board. Wooden members are to be fixed to cover the M.S./Aluminum sections of the main partition frames from all sides as per the detailed drawings including fixing the wooden members with necessary screws, nuts, bolts etc. Wooden members of Shutters frame if any and wooden beadings for fixing Glass panels, wooden panels, plywood panels of the partition with wooden members of the frames will also be paid under this same item. The work to be carried out as per the detailed drawings and as directed by Engineer In charge.	38.000	Cum	127051.30	<b>4827949.40</b>	INR Forty Eight Lakh Twenty Seven Thousand Nine Hundred & Forty Nine and Paise Forty Only
19	Extra rate over second class teak wood for providing and fixing first class Burma teak wood instead of second class teak wood as required as per drawing and as directed by engineer in charge.	60.000	Cum	317230.80	<b>19033848.00</b>	INR One Crore Ninety Lakh Thirty Three Thousand Eight Hundred & Forty Eight Only
20	Providing and fixing paneled or paneled and glazed shutters for doors, windows and clerestory windows, excluding ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding paneling which will be paid for separately, all complete as per direction of Engineer-in-charge. (a) : Second class teak wood 35 mm thick shutters	355.000	Sqm	2987.50	<b>1060562.50</b>	INR Ten Lakh Sixty Thousand Five Hundred & Sixty Two and Paise Fifty Only
21	Providing and fixing paneling or paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Paneling for paneled or paneled and glazed shutters 25 mm to 40 mm thick : (a) Second class teak wood	158.000	Sqm	2436.52	<b>384970.16</b>	INR Three Lakh Eighty Four Thousand Nine Hundred & Seventy and Paise Sixteen Only
22	(b) Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4 mm wide aperture with matching wood beading	179.000	Sqm	1654.80	<b>296209.20</b>	INR Two Lakh Ninety Six Thousand Two Hundred & Nine and Paise Twenty Only
23	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) 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, lipping with 2nd class teak wood/savan wood battens 25 mm minimum depth on all edges of flush door shutters : (a) : 35 mm thick excluding ISI marked Stainless Steel butt hinges with necessary screws	188.000	Sqm	2358.89	<b>443471.32</b>	INR Four Lakh Forty Three Thousand Four Hundred & Seventy One and Paise Thirty Two Only
24	Providing and fixing 25 mm thick calibrated BWP plywood confirming to IS 710 with necessary fixing arrangement including adhesive, nails, screws etc. all complete, as per approved drawings and as per direction of engineer in charge. For wooden paneling, partitions, wardrobes, cabinets, band, patta, benches, Tables, modesty panels etc.	636.000	Sqm	2391.50	<b>1520994.00</b>	INR Fifteen Lakh Twenty Thousand Nine Hundred & Ninety Four Only
25	Providing and fixing 18 mm thick calibrated BWP plywood confirming to IS 710 with necessary fixing arrangement including adhesive, nails, screws etc. all complete, as per approved drawings and as per direction of engineer in charge. For wooden paneling, partitions, wardrobes, cabinets, band, patta, benches, Tables, modesty panels etc.	2147.000	Sqm	1694.44	<b>3637962.68</b>	INR Thirty Six Lakh Thirty Seven Thousand Nine Hundred & Sixty Two and Paise Sixty Eight Only



26	Providing and fixing 12 mm thick calibrated BWP plywood confirming to IS 710 with necessary fixing arrangement including adhesive, nails, screws etc. all complete, as per approved drawings and as per direction of engineer in charge. For wooden paneling, partitions, wardrobes, cabinets, band, patta, benches, Tables, modesty panels etc.	3751.000	Sqm	1247.41	<b>4679034.91</b>	INR Forty Six Lakh Seventy Nine Thousand & Thirty Four and Paise Ninety One Only
27	Providing and fixing 8 mm thick calibrated BWP plywood confirming to IS 710 with necessary fixing arrangement including adhesive, nails, screws etc. all complete, as per approved drawings and as per direction of engineer in charge. For wooden paneling, partitions, wardrobes, cabinets, band, patta, benches, Tables, modesty panels etc.	50.000	Sqm	1024.46	<b>51223.00</b>	INR Fifty One Thousand Two Hundred & Twenty Three Only
28	Providing and fixing 6 mm thick calibrated BWP plywood confirming to IS 710 with necessary fixing arrangement including adhesive, nails, screws etc. all complete, as per approved drawings and as per direction of engineer in charge. For wooden paneling, partitions, wardrobes, cabinets, band, patta, benches, Tables, modesty panels etc.	30.000	Sqm	829.55	<b>24886.50</b>	INR Twenty Four Thousand Eight Hundred & Eighty Six and Paise Fifty Only
29	Providing and fixing 12.5 mm thick fire rated gypsum board conforming to IS: 2095: part I with necessary fixing arrangement including adhesive, nails, screws etc. all complete, as per approved drawings and as per direction of engineer in charge. For wooden paneling, partitions, wardrobes, cabinets, band, patta, benches, Tables, modesty panels etc.	3696.000	Sqm	632.33	<b>2337091.68</b>	INR Twenty Three Lakh Thirty Seven Thousand & Ninety One and Paise Sixty Eight Only
30	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 48 kg/m <sup>3</sup> , 40 mm thick, wrapped in 200G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.	1003.000	Sqm	428.25	<b>429534.75</b>	INR Four Lakh Twenty Nine Thousand Five Hundred & Thirty Four and Paise Seventy Five Only
31	Providing and fixing 8 mm thick exterior grade non asbestos heavy duty fiber cement board with necessary fixing arrangement and screws etc. all complete, as per approved drawings and as per direction of engineer in charge.	75.000	Sqm	731.19	<b>54839.25</b>	INR Fifty Four Thousand Eight Hundred & Thirty Nine and Paise Twenty Five Only
32	Providing and fixing 6 mm thick exterior grade non asbestos heavy duty fiber cement board with necessary fixing arrangement and screws etc. all complete, as per approved drawings and as per direction of engineer in charge.	30.000	Sqm	558.20	<b>16746.00</b>	INR Sixteen Thousand Seven Hundred & Forty Six Only
33	Providing and fixing PVC edge beading 2 mm thick / second class teakwood beading 12 mm thick with necessary fixing arrangement and screws etc. all complete, as per approved drawings and as per direction of engineer in charge for various thickness of plywood for wardrobes, cabinets, partitions etc..	4198.000	Rmt	71.20	<b>298897.60</b>	INR Two Lakh Ninety Eight Thousand Eight Hundred & Ninety Seven and Paise Sixty Only
34	Providing & fixing to wall band up to 300 mm wide made from 12 mm thick marine plywood conforming to IS: 710 finishing with 4 mm veneer and second class teak wood beading, back side supporting second class teakwood Patti 48 X 48 mm top and bottom with necessary fixing arrangement and screws etc. all complete, as per drawing and as directed by engineer- in- charge	978.000	Rmt	1176.21	<b>1150333.38</b>	INR Eleven Lakh Fifty Thousand Three Hundred & Thirty Three and Paise Thirty Eight Only

35	Providing & fixing to wall band up to 300 mm wide made from exterior Grade-I MDF Board 18 mm thick conforming to IS:12406 with second class teak wood beading and back side supporting second class teakwood patti 48x48 mm top and bottom with necessary fixing arrangement and screws etc. all complete as per drawing and as directed by engineer- in- charge	66.000	Rmt	907.58	<b>59900.28</b>	INR Fifty Nine Thousand Nine Hundred and Paise Twenty Eight Only
36	Providing & fixing C shaped pelmet up to 200 mm made wide from 18 mm thick marine plywood conforming to IS: 710 finishing front side with 4 mm thick veneer and second class teak wood beading ,back side supporting to wall with necessary fixing arrangement and screws etc. all complete, as per drawing and as directed by engineer- in- charge.	517.000	Rmt	1579.66	<b>816684.22</b>	INR Eight Lakh Sixteen Thousand Six Hundred & Eighty Four and Paise Twenty Two Only
37	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. a) 1.0 mm thick on one side only	3456.000	Sqm	619.58	<b>2141268.48</b>	INR Twenty One Lakh Forty One Thousand Two Hundred & Sixty Eight and Paise Forty Eight Only
38	Providing and fixing 4 mm thick divine teak quarter cut Veneer conforming to IS: 1328 (type-1) with second class teak wood beading of approved colour, texture sample as approved and as per direction of engineer in charge.	4184.000	Sqm	1176.41	<b>4922099.44</b>	INR Forty Nine Lakh Twenty Two Thousand & Ninety Nine and Paise Forty Four Only
39	Providing and fixing Wooden Grill louvers made from second class teak wooden Patti 40 x12 mm at center to center distance of 40 mm fixed to 50x20 mm wooden frame with necessary fixing arrangement and screws etc. all complete, at required location in frames/shutters of door/windows as per drawing and as directed by engineer in charge.	368.000	Sqm	4505.75	<b>1658116.00</b>	INR Sixteen Lakh Fifty Eight Thousand One Hundred & Sixteen Only
40	Providing and fixing glazing in door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket /teakwood beading etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (a)With float glass panes of 8.0 mm thickness	2290.000	Sqm	1380.18	<b>3160612.20</b>	INR Thirty One Lakh Sixty Thousand Six Hundred & Twelve and Paise Twenty Only
41	Providing and fixing glazing in door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket /teakwood beading etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (b)With float glass panes of 5.0 to 6.0 mm thickness	2229.000	Sqm	1200.82	<b>2676627.78</b>	INR Twenty Six Lakh Seventy Six Thousand Six Hundred & Twenty Seven and Paise Seventy Eight Only
42	Providing and fixing glazing in door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket /teakwood beading etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (c)With float glass panes of 12.0 mm thickness	69.000	Sqm	2120.28	<b>146299.32</b>	INR One Lakh Forty Six Thousand Two Hundred & Ninety Nine and Paise Thirty Two Only
43	Extra rate over for providing and fixing toughened glass panes instead of plain float glass as per drawing and as directed by engineer in charge.	69.000	Sqm	514.91	<b>35528.79</b>	INR Thirty Five Thousand Five Hundred & Twenty Eight and Paise Seventy Nine Only
44	Extra rate over for providing and fixing frosted/ribbed glass panes instead of plain float glass as per drawing and as directed by engineer in charge.	866.000	Sqm	529.38	<b>458443.08</b>	INR Four Lakh Fifty Eight Thousand Four Hundred & Forty Three and Paise Eight Only
45	Extra for providing and fixing translucent polyester film on glass over plain float glass to give it a look as required as per drawing and as directed by engineer in charge.	50.000	Sqm	450.54	<b>22527.00</b>	INR Twenty Two Thousand Five Hundred & Twenty Seven Only
46	Extra rate over above item for providing single glazing clear cosmos (ET 125) of saint gobain or equivalent approved make instead of plain float glass having properties like light transmission 28%,external reflection 28%, internal reflection 9%, 28%, solar factor 0.3, shading coefficient 0.34, U value (W/Sqm-k) 3.9 Light as per drawing and as directed by Engineer-in-Charge.	952.000	Sqm	1153.66	<b>1098284.32</b>	INR Ten Lakh Ninety Eight Thousand Two Hundred & Eighty Four and Paise Thirty Two Only

47	Providing and fixing laminated glass 6 mm clear+ 1.52 mm pvb+ 6mm toughened glass with EPDM rubber / neoprene gasket /teakwood beading including scaffolding etc. complete as per drawing and as directed by Engineer-in-Charge.	166.000	Sqm	5251.26	<b>871709.16</b>	INR Eight Lakh Seventy One Thousand Seven Hundred & Nine and Paise Sixteen Only
48	Providing and fixing PVC Acoustic & smoke seal to protect rebated timber frame 12 mm profile RP 120 Raven make or equivalent as per drawing and as directed by engineer in charge.	463.000	Rmt	451.74	<b>209155.62</b>	INR Two Lakh Nine Thousand One Hundred & Fifty Five and Paise Sixty Two Only
49	Providing and fixing EPDM perimeter Bulb type of seal self -adhesive for Gaps as per drawing and as directed by engineer in charge.	2136.000	Rmt	285.16	<b>609101.76</b>	INR Six Lakh Nine Thousand One Hundred & One and Paise Seventy Six Only
50	Providing and fixing expose type Elite brush seal sweeper gasket Enviro make or equivalent as per drawing and as directed by engineer in charge.	79.000	Rmt	447.03	<b>35315.37</b>	INR Thirty Five Thousand Three Hundred & Fifteen and Paise Thirty Seven Only
51	Providing and fixing acoustical Automatic door bottom seal RP8si seal of raven make or equivalent as per drawing and as directed by engineer in charge.	7.000	Rmt	4219.72	<b>29538.04</b>	INR Twenty Nine Thousand Five Hundred & Thirty Eight and Paise Four Only
52	Providing and fixing Galvanized M.S. sheet 0.5 mm thick pressed channel section of size as per drawing and as directed by engineer in charge.	462.000	Sqm	810.31	<b>374363.22</b>	INR Three Lakh Seventy Four Thousand Three Hundred & Sixty Three and Paise Twenty Two Only
53	Providing and fixing 5 mm thick mirror of superior glass (of approved quality) and of required shape and size fixed with second class teakwood beading or with adhesive or with two way tape (3M or equivalent Quality) complete as per the architectural drawings and the directions of Engineer-in-charge .	44.000	Sqm	1630.46	<b>71740.24</b>	INR Seventy One Thousand Seven Hundred & Forty and Paise Twenty Four Only
54	Providing and fixing Door Closer made of High Quality aluminum extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 80 kg , with double speed adjustment, Rack and pinion should be manufactured from steel alloy duly machined and heat-treated, suitable for right-hand and left hand door application, with necessary accessories and screws etc. complete as per drawing and as directed by engineer-in -charge..	96.000	No	1784.49	<b>171311.04</b>	INR One Lakh Seventy One Thousand Three Hundred & Eleven and Paise Four Only
55	Providing & Fixing S.S. 316 Grade Fire resistance BSEN 1634:1:2000 Certified & Mechanically tested BSEN 1935:2002 Satin Finish S.S. 316 Grade 4 ball bearings Hinges approximate size 102mm X 76mm X 3 mm minimum Weight 260 grm of approved make with AISI 316 Grade ball Bearing S.S. Pin, Cap, and with necessary S.S. Self Tapping Phillips Cross Head Screws etc. complete as per drawing and as directed by engineer-in -charge.	384.000	No	683.25	<b>262368.00</b>	INR Two Lakh Sixty Two Thousand Three Hundred & Sixty Eight Only
56	Providing & Fixing S.S. 316 Grade Satin Finish Fire resistance BSEN 1634:1:2000 Certified & Mechanically tested BSEN 1935:2002 Hinges without bearings approximate size 76mm X 65mm X 2 mm minimum weight 100 grm of approved make with AISI 316 Grade S.S. Pin, Cap, and with necessary S.S. Self Tapping Phillips Cross Head Screws etc. complete as specified as per drawing and as directed by engineer-in -charge.	1280.000	No	388.55	<b>497344.00</b>	INR Four Lakh Ninety Seven Thousand Three Hundred & Forty Four Only
57	Providing & Fixing S.S. 304 Grade Stainless Steel Satin Finish Round Tower bolt of overall length (excluding Bracket) 300 mm and inner bolt of dia meter 10mm and outer barrel dia meter 15 mm, minimum weight 430 grm. of approved make with necessary Nickel Plated Screws complete as per specified as per drawing and directed by Engineer in charge.	96.000	No	751.57	<b>72150.72</b>	INR Seventy Two Thousand One Hundred & Fifty and Paise Seventy Two Only
58	Providing & Fixing Fire resistance BSEN 1634:1:2000 Certified & mechanically tested BSEN 1906:2010 Pair of AISI S.S. 316 Grade Satin Finish hollow Pipe or solid design Mortise Handle with the minimum weight 930 grm with S.S. 316 Grade euro profile escutcheons key hole for Mortise Pin Cylinder, high grade brass bushing for extra fixing strength for intensive use of door with back to back fixing screws system. of approved make with both side active mortise handle and spindle, High Quality Stainless Steel Wood Screws (8 PCS.) for minimum door thickness 30 mm as per drawing and as directed by engineer in charge. The Inner and Outer Rose of Mortise handle and Escutcheons must be of AISI 316 grade only.	96.000	No	2858.40	<b>274406.40</b>	INR Two Lakh Seventy Four Thousand Four Hundred & Six and Paise Forty Only

59	Providing & Fixing Satin Finish Double Door Lock body , 26 mm brass latch. 52 mm lock with Back Set center of approximate size 85 X 45 mm, of approved make, minimum Weight 0.880 grm suitable for minimum 30 mm thick Double Door Shutter with necessary fixing screw as specified as per drawing and as per directed by engineer in charge.	2.000	No	1729.43	<b>3458.86</b>	INR Three Thousand Four Hundred & Fifty Eight and Paise Eighty Six Only
60	Providing & Fixing Fire resistance BSEN 1634:1:2000 Certified Satin Finish Single door Mortise Lock body approximate size of back set 50 mm X 85 mm, with 52 mm Lock and 26 mm brass latch , Stainless steel main & Strike plate & including back to back fixing feature suitable for minimum door thickness 30 mm Single door shutter with necessary fixing screw as per specified as per directed by engineer in charge.	94.000	No	896.77	<b>84296.38</b>	INR Eighty Four Thousand Two Hundred & Ninety Six and Paise Thirty Eight Only
61	Providing & Fixing Satin Finish 6 pin Mechanism, high Quality brass body Mortise Pin Cylinder with 5 high accuracy Computerized Dotted keys of approved make one side key & one side knob suitable for minimum door thickness 30 mm with necessary Fixing Screw as specified and as per drawing and as per directed by engineer in charge.	87.000	No	1003.23	<b>87281.01</b>	INR Eighty Seven Thousand Two Hundred & Eighty One and Paise One Only
62	Providing & Fixing Fire resistance BSEN 1634:1:2000 Certified Satin Finish Secure Standard 5 pin Mechanism Mortise Pin Cylinder with both Side Keys, with 5 nos high accuracy Brass keys of approved make suitable for minimum door thickness 30 mm with necessary fixing screw as per specified and as per drawing and as per directed by engineer in charge.	9.000	No	760.37	<b>6843.33</b>	INR Six Thousand Eight Hundred & Forty Three and Paise Thirty Three Only
63	Providing & Fixing Satin Finish S.S. Door Magnet length of 75 mm of approved make, minimum Weight 150 grm with necessary nickel plated screw complete, as specified, as per drawing and as directed by engineer in charge.	7.000	No	261.47	<b>1830.29</b>	INR One Thousand Eight Hundred & Thirty and Paise Twenty Nine Only
64	Providing & Fixing high Quality Zinc Material Door Stopper length of 150 mm including Rubber of approved make minimum Weight 260 grm with necessary Screws etc. complete as specified, as per drawing as directed by engineer-in-charge.	87.000	No	441.15	<b>38380.05</b>	INR Thirty Eight Thousand Three Hundred & Eighty and Paise Five Only
65	Providing & Fixing Stainless Steel S.S. 316 Grade C Shaped Handles in Satin Finish, 10 mm dia and center to center minimum 96mm size, minimum weight 94 grm with necessary screws etc. complete of approved make as per drawing and as directed by engineer-in-charge.	1532.000	No	177.72	<b>272267.04</b>	INR Two Lakh Seventy Two Thousand Two Hundred & Sixty Seven and Paise Four Only
66	Providing & Fixing S.S. 304 Grade Stainless Steel Satin Finish Round Tower bolt of overall length (excluding Bracket) 100 mm and inner bolt of dia meter 10mm and outer barrel dia meter 15 mm, minimum weight 150 grm of approved make with necessary nickel Plated Screws complete as per specified as per drawing and directed by Engineer in charge.	1086.000	No	339.03	<b>368186.58</b>	INR Three Lakh Sixty Eight Thousand One Hundred & Eighty Six and Paise Fifty Eight Only
67	Providing & Fixing AISI S.S. 316 Grade Solid Window Casement stay/adjustor with minimum weight 280 grm of size diameter 14 mm, length 200 mm with necessary fixing screws as specified as per drawing & as directed by engineer-in-charge.	640.000	No	808.20	<b>517248.00</b>	INR Five Lakh Seventeen Thousand Two Hundred & Forty Eight Only
68	Providing and fixing Satin Finish soft closing Clip on hinges of M.S.materials, Opening Angle should be 110 Degree or as required of Approved makes for cupboard shutters, kitchen cabinets etc. with necessary concealed SS Screws complete, as specified in drawing and as approved by Engineer in charge.	1760.000	pair	333.44	<b>586854.40</b>	INR Five Lakh Eighty Six Thousand Eight Hundred & Fifty Four and Paise Forty Only
69	Providing and Fixing Stainless Steel S.S. 304 Grade multipurpose Cabinet / Wardrobe Lock heavy duty for minimum 25 mm Door thickness with keys of approved make with necessary screws etc. complete as approved drawing and as per direction of Engineer in charge.	600.000	No	566.32	<b>339792.00</b>	INR Three Lakh Thirty Nine Thousand Seven Hundred & Ninety Two Only
70	Providing and Fixing Stainless Steel multipurpose Drawer Lock heavy duty with key of approved make with necessary screws etc. complete as approved drawing and as per direction of Engineer in charge.	624.000	No	197.59	<b>123296.16</b>	INR One Lakh Twenty Three Thousand Two Hundred & Ninety Six and Paise Sixteen Only
71	Providing and fixing Corrosion Resistance Premium Quality Zinc coated Drawer Channel pair 500mm long, heavy duty Metal Body & Precision Ball Bearings for higher Durability with necessary screws etc. complete as per directions of Engineer-in-charge.	438.000	pair	642.50	<b>281415.00</b>	INR Two Lakh Eighty One Thousand Four Hundred & Fifteen Only

72	Providing and fixing aluminum Grip profile handle with necessary screws etc. complete as approved drawing and as per direction of Engineer in charge.	467.000	Rmt	434.91	<b>203102.97</b>	INR Two Lakh Three Thousand One Hundred & Two and Paise Ninety Seven Only
73	Providing and fixing S.S. 316 grade handle 80 MM X 50 MM X 5 MM thick as per design with necessary brass screws etc. complete as approved drawing and as per direction of Engineer in charge.	186.000	No	866.82	<b>161228.52</b>	INR One Lakh Sixty One Thousand Two Hundred & Twenty Eight and Paise Fifty Two Only
74	Providing and fixing S.S. 316 grade handle 130 MM X 50 MM X 5 MM thick as per design with necessary brass screws etc. complete as approved drawing and as per direction of Engineer in charge.	706.000	No	1141.98	<b>806237.88</b>	INR Eight Lakh Six Thousand Two Hundred & Thirty Seven and Paise Eighty Eight Only
75	Providing and fixing Plastic Magnet Catcher of approved make with necessary screws etc. complete as approved drawing and as per direction of Engineer in charge.	1148.000	No	47.27	<b>54265.96</b>	INR Fifty Four Thousand Two Hundred & Sixty Five and Paise Ninety Six Only
76	Providing and fixing carbon steel galvanized (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm <sup>2</sup> ), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete/ masonry, etc. as per direction of Engineer-in-charge. (a) 10 x 60 mm	150.000	No	109.80	<b>16470.00</b>	INR Sixteen Thousand Four Hundred & Seventy Only
77	Providing and fixing Aluminum strut slotted channel with fixing arrangements with necessary screws etc. complete as approved drawing and as per direction of Engineer in charge.	802.000	Rmt	367.03	<b>294358.06</b>	INR Two Lakh Ninety Four Thousand Three Hundred & Fifty Eight and Paise Six Only
78	Filling the gap in between frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Up to 5mm depth and 5 mm width	2136.000	Rmt	74.70	<b>159559.20</b>	INR One Lakh Fifty Nine Thousand Five Hundred & Fifty Nine and Paise Twenty Only
79	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered/Gypsum or any other wall/ ceiling surface as required to prepare the surface even and smooth complete.	1016.000	Sqm	104.48	<b>106151.68</b>	INR One Lakh Six Thousand One Hundred & Fifty One and Paise Sixty Eight Only
80	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content With With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter	50.000	Sqm	45.99	<b>2299.50</b>	INR Two Thousand Two Hundred & Ninety Nine and Paise Fifty Only
81	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content With water thinnable cement primer on wall, ceiling and partitions surface having VOC content less than 50 grams/liter	1016.000	Sqm	44.20	<b>44907.20</b>	INR Forty Four Thousand Nine Hundred & Seven and Paise Twenty Only
82	Painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats	1016.000	Sqm	84.92	<b>86278.72</b>	INR Eighty Six Thousand Two Hundred & Seventy Eight and Paise Seventy Two Only
83	Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats	14.000	Sqm	89.71	<b>1255.94</b>	INR One Thousand Two Hundred & Fifty Five and Paise Ninety Four Only
84	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work	247.000	Sqm	146.52	<b>36190.44</b>	INR Thirty Six Thousand One Hundred & Ninety and Paise Forty Four Only

85	Providing and applying two coats of fire retardant paint on cleaned wood / ply / steel surface @ 3.5 sqm per liter per coat including preparation of base surface as per recommendations of manufacturer to make the surface fire retardant.	123.000	Sqm	278.15	<b>34212.45</b>	INR Thirty Four Thousand Two Hundred & Twelve and Paise Forty Five Only
86	Providing and applying Melamine polishing of approved makes on wood & veneer works (two or more coats) including finishing grooves with paint/polish, preparation of surface and staining to the approved colour and shade as per the manufacturers specifications including scaffolding, curing, cleaning the surfaces and other incidental work to be done etc. complete at all floors for any height as directed by engineer in charge.	6293.000	Sqm	541.53	<b>3407848.29</b>	INR Thirty Four Lakh Seven Thousand Eight Hundred & Forty Eight and Paise Twenty Nine Only
87	Varnishing with varnish of approved brand and manufacture : Two or more coats of glue sizing with copal varnish over an under coat of flattening varnish	97.000	Sqm	137.37	<b>13324.89</b>	INR Thirteen Thousand Three Hundred & Twenty Four and Paise Eighty Nine Only
88	Providing & laying 2.0/2.5 mm thick approved Linoleum Flooring as per EN 548, made up of 97% natural raw materials and out of which 70% should be rapidly re-newable. The product must have natural & permanent bacteriostatic property even against MRSA bacteria as per manufacturer's specifications and the independent test reports for the same must be submitted by the manufacturer. The product must be approved by TERI- GRIHA (Green Rating for Integrated Habitat Assessment). It is compulsory to use multi-colored welding rods similar to the shade and texture of the floor to complement the floor colour of the flooring material. The joints between 2 rolls should be welded using a hot air welding gun. The product will have UV curved Top shield-2 comprising of 2 layers, top coating of primer and acrylic to provide better performance. This coating should be resistant to Betadine stains. Acoustical impact noise reduction as per EN150717-2 < 4 dB , Indentation Residual as per EN-ISO 24343-1 : < 0.15mm. The product should be SMART Platinum Certified ((Sustainable Materials Rating Technology) by USA. The product should carry third-party, independent, Life Cycle Analysis (multi-attribute) to show its environmental footprint from Cradle to Grave. Linoleum to be installed over existing Cementitious self leveling compound flooring if necessary. Flooring should be done as per manufacturers specifications and as directed by engineer in charge.	16.000	Sqm	2518.40	<b>40294.40</b>	INR Forty Thousand Two Hundred & Ninety Four and Paise Forty Only

89	<p>Providing and Fixing of Flocked Carpet rolls flooring having a density of 70 million fibers of nylons 6.6 per sqm firmly anchored into a waterproof backing and having an average recycled content of 20%. The carpet must inhibit the growth of Bacteria and Fungi. The Carpet must be Zero Emission carpet (Emission below detection limit after 28 days in accordance to ISO 16000-9 requirements). Fire Test EN-13501, Appearance Retention Hexapod ISO 140-8, Friction Slip resistance Test EN 14041 Class DS, Sanitized anti- microbial treatment with resilient water proof backing. The carpet should be anti static and thickness shall be 4.0 to 5.0 mm with approximate weight of 1.8 kg/ sqm. Dimensional stability as per ISO 2551 : &lt;0.2% .Slip Resistance as per DIN 51097 : &gt;0.7 Dry and Wet. Light fastness as per EN ISO 105 B02 : ≥ 6. Commercial heavy as per EN 685 : Class 33. Acoustical Impact Sound Absorption EN-ISO 717-2 : 20 dB. Reaction to fire as per EN 13501-1 : Bfl-s1.</p> <p>The rate shall be inclusive of fixing at site with if necessary border and fixing arrangement as per the drawings and direction of Engineer in charge complete in all respect.Flooring should be done as per manufacturers specifications and as directed by engineer in charge.</p>	282.000	Sqm	3245.25	<b>915160.50</b>	INR Nine Lakh Fifteen Thousand One Hundred & Sixty and Paise Fifty Only
90	<p>Providing and fixing Engineered wooden flooring 15 mm up to 3 mm top layer, core layer pine wood oak london of Mikasa or equivalent with necessary T- profile and reducer fixing with underlayer 2 mm thick High Density polyurethane foam having density of approx. 90 kg/cum and 2 mm thick rubber sheet as per manufacureres specifications and as directed by engineer in charge.</p>	52.000	Sqm	6295.16	<b>327348.32</b>	INR Three Lakh Twenty Seven Thousand Three Hundred & Forty Eight and Paise Thirty Two Only
91	<p>Providing and fixing Engineered wooden skirting 2400x80x20 mm up to 3 mm top layer, core layer pine wood oak london of Mikasa or equivalent with necessary T- profile and reducer fixing with underlayer 2 mm thick High Density polyurethane foam and 2 mm thick rubber sheet as per manufacureres specifications and as directed by engineer in charge.</p>	58.000	Rmt	730.02	<b>42341.16</b>	INR Forty Two Thousand Three Hundred & Forty One and Paise Sixteen Only
92	<p>Providing and fixing Bamboo wood Tile Flooring 14mm thick of minimum sizeProviding &amp; fixing in position Phenol bonded Bamboowood flooring with planks of sizes 14mm thick, 1800mm length (minimum) and 130 mm wide(minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials &amp; Technology Promotion Council (BMTPC). The flooring shall be fixed with tongue and groove interlocking system, with underlayment of 4mm thick expanded poly ethylene foam sheets having density 40kg/cum, over prepared surface with necessary quarter round planks of size 1900mm x 18mm and door reducer of size 1900mm x 44mm, wherever required. The bomboowood planks shall have minimum density of 1000 Kg/cum &amp; minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of Engineer in-charge.</p>	312.000	Sqm	5931.70	<b>1850690.40</b>	INR Eighteen Lakh Fifty Thousand Six Hundred & Ninety and Paise Forty Only

93	Providing & fixing in position Phenol bonded Bamboo wood in wall skirting with planks of sizes 14mm thick, 1900mm length (minimum) and 85mm wide(minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC). The skirting shall be fixed with SS screws & rawl plugs, over underlayment of 4mm thick, expanded poly ethylene foam sheets having 40kg/cum density over prepared surface. The bomboowood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of Engineer in-charge.	8.000	Sqm	661.94	<b>5295.52</b>	INR Five Thousand Two Hundred & Ninety Five and Paise Fifty Two Only
94	Providing and fixing removable raised / false access flooring 600 mm Finished Floor Height (FFH) with system and its components of approved make for different plenum height with possible height adjustment upto 50 mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25 mm outer diameter, fully welded on to the G.I. Base plate of size 100mm x 100mm x 3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3 mm welded with GI fully threaded stud 16mm outer diameter with two GI Check nuts screwed on the stud for level adjustment upto 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base) through base plate using epoxy based adhesive of approved make or the machine screw with rawl plug. b) Stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid, rigid support for access floor panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-in-charge. c) Providing and fixing Access Floor panel of 600x600x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be corrosion resistant epoxy	60.000	Sqm	4657.39	<b>279443.40</b>	INR Two Lakh Seventy Nine Thousand Four Hundred & Forty Three and Paise Forty Only
95	Making core cutting for up to 100 mm dia in RCC slab/wall/beam up to 350 mm wide (length of Core cutting) and finishing complete as per detailed drawing and as directed by engineer in charge.	30.000	No	538.36	<b>16150.80</b>	INR Sixteen Thousand One Hundred & Fifty and Paise Eighty Only
96	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	20.000	Sqm	37.74	<b>754.80</b>	INR Seven Hundred & Fifty Four and Paise Eighty Only
97	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	15.000	Sqm	130.79	<b>1961.85</b>	INR One Thousand Nine Hundred & Sixty One and Paise Eighty Five Only



98	<p>Kota stone slab flooring over 20 mm (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 with base of cement mortar 1 : 4 (1 cement : 4 coarse sand):</p> <p>a) 25 mm thick</p>	15.000	Sqm	1385.20	<b>20778.00</b>	INR Twenty Thousand Seven Hundred & Seventy Eight Only
99	<p>Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption 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.</p> <p>(a) : Size of Tile 600x600 mm</p>	20.000	Sqm	1338.91	<b>26778.20</b>	INR Twenty Six Thousand Seven Hundred & Seventy Eight and Paise Twenty Only

100	Providing & fixing in position Phenol bonded Bamboo wood in wall skirting with planks of sizes 14mm thick, 1900mm length (minimum) and 85mm wide(minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC). The skirting shall be fixed with SS screws & rawl plugs, over underlayment of 4mm+D107	75.000	Each	119.61	<b>8970.75</b>	INR Eight Thousand Nine Hundred & Seventy and Paise Seventy Five Only
101	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc. as required. 100 mm width X 50 mm depth X 1.6 mm thickness	20.000	Rmt	662.27	<b>13245.40</b>	INR Thirteen Thousand Two Hundred & Forty Five and Paise Forty Only
102	Supply and installation of Signage plate for Cabin/Class room/Meeting Rooms Names of Size 300 mm x 120mm x 1.5 mm in SS 304 Matt finish having Letters engraved in the SS plate in Black vinyl steam pressed to get a clean finish and having font size of name atleast 20 mm and font size of designation 16 mm fixed on to the wall or Door surface with high quality adhesive tape of 3M or equivalent complete to the satisfaction of Engineer In Charge.	96.000	Nos	2604.75	<b>250056.00</b>	INR Two Lakh Fifty Thousand & Fifty Six Only
103	Supply and installation of Signage plate for Toilets (Male/Female/Divyang/Pantry) of Size 120 mm x 120mm x 1.5 mm in SS 304 Matt finish having Letters engraved in the SS plate in Black vinyl steam pressed to get a clean finish and having font size of name atleast 30 mm fixed on to the wall or Door surface with high quality adhesive tape of 3M or equivalent complete to the satisfaction of Engineer In Charge.	45.000	Nos	925.75	<b>41658.75</b>	INR Forty One Thousand Six Hundred & Fifty Eight and Paise Seventy Five Only
104	Supply and installation of Signage plate for FIRE EXIT SIGNAGE of Size 300 mm x 120mm x 1.5 mm in SS 304 Matt finish having Letters engraved in the SS plate in Black vinyl steam pressed to get a clean finish and having font size of name atleast 40 mm fixed on to the wall or Door surface with high quality adhesive tape of 3M or equivalent complete to the satisfaction of Engineer In Charge.+D107	32.000	Nos	2604.75	<b>83352.00</b>	INR Eighty Three Thousand Three Hundred & Fifty Two Only
105	Supply and installation of Directional Signage plate ( Arrows) of Size 120 mm x 120mm x 1.5 mm in SS 304 Matt finish having Letters engraved in the SS plate in Black vinyl steam pressed to get a clean finish and having Arrow Size 100 mm x 75 mm fixed on to the wall or Door surface with high quality adhesive tape of 3M or equivalent complete to the satisfaction of Engineer In Charge.	37.000	Nos	925.75	<b>34252.75</b>	INR Thirty Four Thousand Two Hundred & Fifty Two and Paise Seventy Five Only

Total in Figures				<b>91868422.61</b>	INR Nine Crore Eighteen Lakh Sixty Eight Thousand Four Hundred & Twenty Two and Paise Sixty One Only
Quoted Rate in Figures		<b>Select</b>		<b>0.00</b>	INR Zero Only
Quoted Rate in Words	<b>INR Zero Only</b>				