

Name of Work:-

**Construction of new building for Rubber, Plastic & Chemical at L.D. College of Engineering,
Ahmedabad. (Providing and Supplying Furniture.)**

BILL OF QUANTITIES					
Percentage Rate Tender					
Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
1	Providing and supplying high-back chair with a durable metal framework, upholstered with artificial leather/leatherette and molded PU foam. The chair shall include molded seat and back covers, with the back foam ergonomically contoured to provide lumbar support for enhanced comfort. The chair shall be equipped with high-durability casters and a hydraulic system. It must feature a gas lift cylinder with a minimum 5-year warranty. The overall dimensions of the chair shall be approximately 53 cm (W) × 79 cm (H) for the back, and 51 cm (W) × 49 cm (D) for the seat. The PU foam shall be molded with a density of 45 ± 2 kg/m ³ . The chair shall have one-piece armrests that are scratch and weather resistant. It shall be equipped with a permanent contact mechanism allowing 360° rotation, 12° seat tilt, and 19° back tilt with a front pivot for tilting, ensuring the user's feet remain on the ground for added comfort. Additional features shall include tilt tension adjustment, static seat depth adjustment of 0.5 cm, 5-position locking system, and an anti-shock back mechanism to prevent sudden impact when the backrest lock is released. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.	8.00	No	13938.00	111504.00

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
2	Providing and supplying medium-back chair with a durable metal framework, upholstered with changeable fabric upholstery covers (as per requirement) and molded PU foam. The chair shall include molded seat and back covers, with the back foam contoured to provide lumbar support for added comfort. It shall have high-durability casters and a hydraulic system with a gas lift cylinder having a minimum 5-year warranty. Chair dimensions shall be approximately 47.5 cm (W) × 58 cm (H) for the back, and 49 cm (W) × 48 cm (D) for the seat. The PU foam shall be molded with a density of $45 \pm 2 \text{ kg/m}^3$. The chair shall include one-piece armrests that are scratch and weather resistant. It shall be equipped with a permanent contact mechanism offering 360° rotation, pneumatic height adjustment, 17° maximum tilt, and tilt tension adjustment. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.	118.00	No	9872.75	1164984.50
3	Providing and supplying low-back chair suitable for work centers and general staff use, with seat and back constructed from a durable metal framework. The chair shall be upholstered with changeable fabric upholstery covers (as per requirement) and molded PU foam, along with molded seat and back covers. The back foam shall be contoured to provide lumbar support for enhanced comfort. The chair shall be equipped with high-durability casters and a hydraulic system. It must feature a gas lift cylinder with a minimum 5-year warranty. Chair dimensions shall be approximately 45 cm (W) × 45 cm (H) for the back, and 45 cm (W) × 43 cm (D) for the seat. The PU foam shall be molded with a density of $45 \pm 2 \text{ kg/m}^3$. The chair shall include one-piece armrests that are scratch and weather resistant. It shall be fitted with a permanent contact mechanism offering 360° rotation, pneumatic height adjustment, 17° maximum tilt, and tilt tension adjustment for user comfort. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.	100.00	No	6969.00	696900.00

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
4	Providing and supplying visitor or guest chair with seat and back made of 12 mm thick hot-pressed plywood, upholstered with changeable fabric upholstery covers (as per requirement) and molded PU foam, along with molded seat and back covers. The back foam shall be contoured to provide lumbar support for enhanced comfort. The chair dimensions shall be approximately 45 cm (W) × 38 cm (H) for the back, and 45 cm (W) × 43 cm (D) for the seat. The PU foam shall be molded with a density of $45 \pm 2 \text{ kg/m}^3$. The armrests and legs shall be fabricated from powder-coated mild steel (MS) structure as per Architect's selection. The seat and back shall be securely fixed to the MS structure using all necessary hardware. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.	1131.00	No	4646.00	5254626.00
5	Providing and supplying Desk Table of size 90 cm (L) x 75 cm (W) x 75 cm (H), made using 19 mm thick plywood (M1) for the structure and finished with 1.0 mm thick decorative laminate (M24), as approved by the Architect. The table shall be fixed with all necessary fixtures and fastening hardware (M14). The top portion of the table shall have all exposed edges finished with teak wood beading Patti (M4) and melamine polish (M29) of approved quality. The table shall include one 0.20 m support at the top center and two supports at the bottom for added structural stability. Complete in all respects as per the approved architectural drawings and as directed by the Architect and Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.	42.00	No	7921.43	332700.06

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
6	Providing and supplying H.O.D. Table with side unit as per architect's drawing, comprising a main table of overall size 2600mm (L) x 850mm (W) x 750mm (H) and a side unit of size 1200mm (L) x 400mm (W) x 850mm (H). The table structure shall be fabricated from 19mm thk. plywood (M1), externally finished with 1.0mm thk. decorative laminate (M24) and internally with 0.8mm thk. liner laminate. The main table includes a 450mm wide keyboard tray, 2 drawers (each 450mm wide) with telescopic roller channels (M15), 1 shutter with necessary hinges (M18), handles (M19), magnets and locks (M16), and 50mm dia. stainless steel leg supports. A 150mm wide and 12mm thick Corian patta is provided at the tabletop edge and a 12mm thick clear glass top is laid over the entire table. 12mm wide grooves shall be provided at equal distances along the front and side elevations for enhanced aesthetics. The side unit includes 2 drawers (each 225mm high) and 4 shutters, fabricated as per elevation, complete with all necessary hardware (M14). A plastic grommet cable outlet (60mm dia.) is provided on the tabletop for wire management. All exposed edges shall be finished with teakwood beading patti (M4) and approved melamine polish (M29). A footrest is included under the main table. Complete in all respects as per detailed architect's drawings and instructions of the architect and engineer in charge.	4.00	No	83768.39	335073.56

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
7	<p>Providing and supplying Professor Cabin Table with Back Side Unit as per architect's drawing, comprising an L-shaped main table of overall size 1350mm (L) x 750mm (W) x 750mm (H) + 750mm (L) x 400mm (W) x 750mm (H) and a back side unit of size 900mm (L) x 400mm (W) x 750mm (H). The structure shall be fabricated from 19mm thick plywood (M1), externally finished with 1.0mm thick decorative laminate (M24) and internally with 0.8mm thick liner laminate, with all exposed edges finished using teakwood beading (M4) and coated with melamine polish (M29). The main table includes one 450mm wide keyboard tray, one drawer (450mm wide) with telescopic roller channels (M15), and one shutter with hinges (M18), handle (M19), magnet, and locking arrangement (M16). A 12mm thick clear glass top is laid over the table surface, and a 60mm dia. plastic grommet is provided for wire management. A 450mm high partition wall is provided on top of the table as per drawing. The back side unit comprises two drawers (each 200mm high) and two shutters as per elevation, complete with all necessary hardware (M14). A footrest is provided under the main table. The entire unit shall be executed as per detailed drawings and the instructions of the architect and engineer-in-charge.</p>	60.00	No	40854.50	2451270.00

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
8	<p>Providing and supplying Central Table having size 200 cm (L) x 100 cm (W) x 90 cm (H), made using kiln-dried and treated fine quality C.P. teakwood (M5) for the structural frame and 19 mm thick plywood (M1) for the tabletop. The tabletop finish shall vary based on location and function, as specified and approved by the Architect:</p> <p>Granite top finish for tables located in laboratories.</p> <p>1.0 mm thick decorative laminate (M24) finish for reading tables in the library and girls' room.</p> <p>All required fixtures and fastening hardware (M14) shall be provided. All exposed edges of the top shall be finished with teak wood beading Patti (M4) and coated with approved enamel paint (M31). The entire assembly shall be completed as per approved architectural drawings and as instructed by the Architect and Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.</p> <p>.</p>	45.00	No	29952.56	1347865.20
9	<p>Providing and supplying Faculty Table of size 120 cm (L) x 75 cm (W) x 75 cm (H), made using 19 mm thick plywood (M1) for the structure and finished with 1.0 mm thick decorative laminate (M24), as approved by the Architect. The table shall be fixed with all necessary fixtures and fastening hardware (M14). The top portion of the table shall have all exposed edges finished with teak wood beading Patti (M4) and melamine polish (M29) of approved quality. The table shall include one 0.20 m support at the top center and two supports at the bottom for added structural stability. Complete in all respects as per the approved architectural drawings and as directed by the Architect and Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.</p> <p>.</p>	58.00	No	9518.24	552057.92

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
10	Providing and supplying 3-seater sofa constructed with a 19 mm thick plywood (M1) structural frame, supported by stainless steel (S.S.) legs, securely fixed with all necessary fixtures and fastening hardware (M14). The seat, back, and handle portions shall be cushioned with 150 mm thick PU foam of 32 density (M22), further covered with 14 mm thick PU foam (M22) and a Madarpat cover. The entire sofa shall be upholstered with fabric (M26) or leather as suggested and approved by the Architect. The sofa shall be finished on the seat, back, and all visible sides in accordance with the Architect's drawings. Complete workmanship shall comply with the Architect's design and the instructions of the Engineer-in-Charge. Reference to drawings is essential. size: 2.1 m (L) × 0.95 m (W) × 0.80 m (H). It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge. .	12.00	No	22649.25	271791.00
11	Providing and supplying 2-seater sofa made using 19 mm thick plywood (M1) structural frame, supported by stainless steel (S.S.) legs with all required supports, fixtures, and fastening hardware (M14). The seat, back, and handle portions shall be cushioned with PU foam of 32 density (M22), with thickness as per design, and additionally covered with 14 mm thick PU foam (M22) and Madarpat fabric. The entire sofa shall be upholstered with fabric (M26) or leather as suggested and approved by the Architect, and finished on the seat, back, and all visible sides as per architectural drawings. The item shall be executed in complete compliance with the Architect's design and the instructions of the Engineer-in-Charge. Refer to the drawing size: 1.5 m (L) × 0.95 m (W) × 0.80 m (H). It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge. .	8.00	No	16261.00	130088.00

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
12	Providing and supplying Centre Table / Corner Table / Tipoi with Glass Top, made with 19mm thick plywood (M1) structure, finished with 1.0 mm thick decorative laminate sheet (M24) as specified and approved by the Architect, and fixed with necessary fixtures and fastening (Hardware) (M14). The table shall rest on four solid wooden legs of size 50mm x 50mm made from C.P. teakwood (M5). A 50mm x 50mm wooden frame shall be provided at the top for support. Over this frame, a 75mm wide plywood patta (M1) shall be fixed on all sides, finished with approved melamine polish (M29). The patta shall have a 2 mm wide groove to securely hold an 8 mm thick toughened glass top (M27) with polished edges. Internal MS support bars and a center stiffener shall be provided as per drawing for structural stability. Table size shall be 950 mm (L) x 500 mm (W) x 450 mm (H). Complete as per Architect's drawing and as per instructions of the Architect & Engineer-in-Charge. .	5.00	Sqm.	14192.52	70962.60
13	Providing and supplying visitor's group seating for three persons, fabricated from perforated S.S. CRC sheet (C-201) and 1.5 mm thick steel plate. The bottom support frame shall be constructed using 20 mm x 40 mm S.S. CRC tubes, finished with stainless steel chrome plating, in accordance with the specification sheet and approved sample. All work shall be completed as per the design and instructions of the Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge. .	17.00	No	9524.30	161913.10

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
14	Providing and supplying Computer Table with Partition of size 900mm (L) x 700mm (W) x 750mm (H) made with 19mm thick Plywood (M1) structure as per architect's drawing, finished externally with 1.0mm thick decorative laminate (M24) and internally with 0.8mm thick liner laminate, all as specified and approved by the architect. The table shall include a partition panel, Plastic Computer Desk Table Grommet Cable Wire Outlet Hole Cover (60mm dia), a keyboard tray, dedicated space for CPU unit, and stainless steel legs, all fixed with necessary fixtures and fasteners (M14). All exposed edges shall be finished with teakwood beading Patti (M4) and polished with approved melamine polish (M29). Complete in all respects as per architect's drawings and the instructions of the architect and engineer in charge.	145.00	No	12400.78	1798113.10
15	Providing and supplying modular conference table (as per layout and image) with 600 mm width, made from double layers of 19mm thick plywood (M1) structure finished with 1.5 mm thick decorative laminate (M24) sheet approved by architect, including necessary fixtures and fastening (M14). Each module is 120 x 60 x 75 cm in size, along with two quarter-circle corner modules forming a continuous loop as shown in the image. The table top edges shall be covered with half-round teakwood beading (M4) finished with approved melamine polish (M29). The table includes laminated modesty panels, side supports, and provisions for cable management, electrical plug points, mic ports, and switchboards, with concealed routing through cutouts and internal cable raceways. Complete as per architect's drawings and instructions of architect and engineer in charge.	32.00	Sqm.	13276.45	424846.40

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
16	<p>Providing and supplying table of size 220 cm (L) x 100 cm (W) x 90 cm (H) made using Kiln dried & treated fine quality C.P. Teakwood (M5) structure and 19mm thick Plywood (M1) top, as per architect's drawing. The table shall be externally finished with 1.0 mm thick decorative laminate (M24) and internally with 0.8 mm thick liner laminate, as specified and approved by the architect. It shall include drawers with Telescopic roller channels (M15), handles (M19), and all necessary fixtures and fasteners (Hardware) (M14), all as per drawing. All exposed edges shall be covered with Teak wood beading Patti (M4) finished with approved melamine polish (M29). The item shall be completed in all respects as per detailed architect's drawings and instructions of the architect and engineer in charge.</p> <p>.</p>	44.00	No	27515.43	1210678.92
17	<p>Providing and supplying Reading Table with Partition made using Kiln-dried & treated fine quality C.P. Teakwood (M5) frame structure. The tabletop and partition panels shall be constructed from 19mm thick plywood (M1), finished with 1.0 mm thick decorative laminate (M24) as per the approved shade. A soft board shall be fixed on 19mm thick plywood partition to serve as a pin-up board on both sides, as shown in the drawing. The tabletop structure shall be supported by a 50mm x 50mm teakwood frame, along with 50mm x 50mm solid teakwood legs, including all necessary fixtures and fastening hardware (M14). The table shall also include internal cross bracing for structural stability, as illustrated. All exposed edges, including the top and partitions, shall be finished with teakwood beading patti (M4) and coated with approved enamel paint (M31). Complete in all respects as per the architectural drawings and the instructions of the Architect & Engineer in charge.</p> <p>Reading Table Unit Size: 200 cm (L) x 120 cm (W) x 90 cm (H)</p> <p>Partition Height Above Table: 45 cm</p> <p>.</p>	24.00	No	28609.26	686622.24

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
18	<p>Providing and supplying 2-seater student bench with integrated desk, fabricated from mild steel (MS) square tube sections of 25.4 × 25.4 × 1.2 mm, finished with one coat of metal primer, surface preparation using putty, followed by an undercoat and final coat of superior quality synthetic enamel paint conforming to IS:2392, in a single architect-approved color shade. The bench shall include a seat (1000 mm × 330 mm), backrest (1000 mm × 200 mm), and desktop (1000 mm × 400 mm), all made from 18 mm thick MDF finished with 1.0 mm thick decorative laminate (M24), and fixed to the MS structure with all necessary fixtures and hardware (M14). A modesty panel made of 18G sheet metal shall be fixed under the desktop, and a 5 mm diameter MS rod bag hook shall be provided below. Overall dimensions: total bench length 1000 mm, bench height 750 mm, seat height 410 mm, total depth 570 mm, footrest height 135 mm, and backrest inclined at 15°. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.</p> <p>.</p>	520.00	No	6039.80	3140696.00
19	<p>Providing and supplying Full/low/medium Height Storage Units made using 19 mm thick plywood (M1) for the main structure, finished externally with 1.0 mm thick decorative laminate (M24) and internally with 0.8 mm thick liner laminate (M25), all as per design and as approved by the Architect. Storage shutters shall be made of the same ply and laminate combination and fixed with all required hardware including handles (M19), hinges (M18), magnets (M18), and locks (M16). The units shall include removable ply shelves supported on both sides with teak wood battens (M5). All exposed edges shall be finished with 8 mm thick teak wood beading patties (M4) coated with melamine polish (M29). All hardware and fixers required for complete installation shall be included (M14). The units shall be executed strictly as per approved architectural drawings and as directed by the Architect and Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.</p> <p>.</p>	281.00	Sqm.	12789.63	3593886.03

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
20	<p>Providing and supplying Full Height Storage Unit of size 1200 mm (W) x 450 mm (D) x 2100 mm (H), made using 19 mm thick plywood (M1) for the main structure, externally finished with 1.0 mm thick decorative laminate (M24) and internally with 0.8 mm thick liner laminate (M25), all as specified and approved by the Architect. The shutters, made from matching plywood and laminate, shall be fitted with 6 mm thick glass panels, and provided with all necessary hardware including handles (M19), hinges (M18), magnets (M18), and locks (M16). All fittings and fixtures shall be of approved make and include hardware (M14). The unit shall incorporate removable plywood shelves, supported on both sides with teak wood battens (M5). All exposed edges shall be finished with 8 mm thick teak wood beading patties (M4) polished with melamine finish (M29). The entire assembly shall be executed in accordance with the approved architectural drawings and as directed by the Architect and Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.</p> <p>.</p>	167.00	Sqm.	8916.28	1489018.76
21	<p>Providing and supplying full height storage unit (M.S. Tijori – Steel Cupboard), fabricated using mild steel and finished with a powder-coated surface in grey color both externally and internally, as approved by the Architect. The unit shall have two doors made of 6 mm thick clear glass, fixed with handles (M19), hinges (M18), magnets (M18), and locks (M16), complete with all necessary hardware (M14). The storage shall include four fixed shelves, installed using appropriate fixtures and fastening hardware (M14). The complete unit shall be executed as per approved drawings and the instructions of the Architect and Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge. (Overall Size: 90 cm × 60 cm × 240 cm)</p> <p>.</p>	109.00	No	24391.50	2658673.50

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
22	Providing and supplying stool with table top of size 45 cm (L) x 45 cm (W) x 60 cm (H), made using 19 mm thick plywood (M1) for the top, finished with 1.0 mm thick decorative laminate (M24), fixed with necessary fixtures and fastening hardware (M14). The entire structure shall be fabricated using MS square box pipe of size 25 x 25 x 3.2 mm, finished with one coat of metal primer and two coats of approved superior quality synthetic enamel paint, conforming to IS:2392 and of ISI-marked standard make. The unit shall be fabricated and installed complete as per the approved architectural drawings and as directed by the Architect and Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge. .	1092.00	No	2879.51	3144424.92
23	Providing and supplying workshop/lab stage/seminare made with using 19mmThk plywood (M1) and good quality wood (M5) frame structure with required necessary legs support fixed with necessary fixtures and fastening (hardware) (M14) All exposed edges shall be covered with required teak wood beading Patti (M4). The whole workshop and lab stage finished with approved superior quality synthetic enamel paint of standard make and ISI market confirming to IS-2392 shall be applied. Complete as per architect's drawings and as per instruction of architect and engineer in charge.(Refer drawings) .	244.00	Sqm.	6010.51	1466564.44

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
24	Providing and supplying Podium of size 58 cm (W) x 38 cm (D) x 110 cm (H), made using 19 mm thick plywood (M1) for the main structure and finished with 1.0 mm thick decorative laminate (M24) as approved by the Architect. The podium shall be fixed with all necessary fixtures and fastening hardware (M14). All exposed edges shall be finished with teak wood beading Patti (M4) and approved melamine polish (M29). The unit shall include provisions for carrying electrical wiring and mounting plug points, switches, microphone, etc. as per functional requirements. Complete in all respects as per the approved architectural drawings and as directed by the Architect and Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.	8.00	No	9830.33	78642.64
25	Providing and supplying enclosed notice board of size 4' x 2' (approximately 1200 mm x 600 mm), fabricated with 6 mm thick clear acrylic sheet shutter mounted on anodized aluminum framing, complete with necessary fixtures, locks, and wall supports. The notice board shall have an openable front shutter with locking provision and be installed at a height as per site requirement. The frame shall be of durable anodized aluminum, and the entire unit shall be securely fixed with required hardware. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.	56.00	No	3136.05	175618.80
26	Providing and supplying Chemical Storage Rack of size 90 cm (L) x 45 cm (W) x 120 cm (H) with 2 fixed shelves and a 0.2 m high back patta for each shelf, made using 19 mm thick plywood (M1). The shelves shall be supported with teakwood battens as per approved drawings and details. The entire unit shall be securely fixed on the platform with necessary fixtures and fastening hardware (M14). All external surfaces shall be finished with enamel paint (M31) of approved standard make. Complete in all respects as per architect's drawings and as directed by the Architect and Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.	9.00	No	7846.69	70620.21

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
27	Providing, supplying, and fixing a white board of size 180 cm × 120 cm, comprising a 5 mm thick Armstrong single-piece magnetic white board panel, mounted within a durable aluminum frame. The board shall function as a Marker Board, Magnet Friendly Writing Whiteboard, and Dry Erase Board, suitable for classrooms or office use. It shall be installed on 12 mm thick plywood backing sheets fixed securely to the wall for proper support. Necessary boxing and alignment shall be carried out to conceal columns or beams as per the architectural plan. The installation shall include all required materials, fixtures, tools, and labor for a complete and finished job. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge. .	38.00	No	7549.75	286890.50
28	Providing and supplying roller blinds to be installed with precision across all designated window openings. The blinds shall be water-resistant, mounted on durable powder-coated aluminum head rails, and fitted with stainless steel drive rods for smooth manual operation. The complete assembly shall be manually operated and must conform to ISI standards. All fixtures, fittings, and components required for proper installation shall be included. The work shall be executed complete in all respects, or as directed by the Architect and Engineer-in-Charge. It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge. (M34) .	411.00	Sqm.	2040.62	838694.82

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
29	Providing and supplying metal rack made with slotted M.S. angle sections, fabricated from high-grade steel conforming to IS 5986 for uprights and IS 5130 for shelves and horizontal supports. All components shall undergo a thorough multi-stage pre-treatment process and be finished with epoxy powder coating of a minimum film thickness of 50 microns for long-lasting durability. The color scheme shall include grey color for beams and base plates, with all remaining components finished in dark grey, as per architectural direction. The rack shall be adjustable and modular in design, allowing shelf height flexibility. Size: 152 cm (L) × 45 cm (D) × 182 cm (H). It shall be confirmed and approved in advance by the Architect, along with a description and image, or as directed by the Engineer-in-Charge.	13.00	No	6039.80	78517.40
30	Providing and supplying green/black board of size 1800x1200mm having alluminium border and hooks to hang on wall and and the board as per sample approved of Make: ALKOSINE, ANUPAM OR equivalent brand. as directed by the Architect / Engineer in Charge.	35.00	No	5981.73	209360.55
31	Providing modular partition full or low with with whole frame structure of Aluminium extruded alloy sections with all sections powder coated (50 micron) having overall partition thickness 80 mm (double skin) flush on both sides using 12mm prelam MDF board with 1 mm Laminate both side and no screwing or gluing etc. visible as specified in specification sheet. etc. complete or as directed by engineer in charge.	516.00	Sqm.	2861.23	1476394.68
32	Providing modular partition full or low height with whole frame structure of powder coated Aluminium extruded alloy sections with Twin layers of Glass glued with Aluminum glass section by 3M taps.Horizontal venetian blinds with swivelling mechanism are provided between two glasses with out side control as specified in specification sheet. etc. complete or as directed by engineer in charge.	271.00	Sqm.	4084.75	1106967.25

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
33	Providing Cabin Doors made from 30mm Board with wood filled core and 3 mm MDF sturdy and matching with partitions having overall size as directed by Architect ,view glass and hardware like handles, door closer and dead lock etc as specified in specification sheet. etc. complete or as directed by engineer in charge.	129.00	Sqm.	4979.62	642370.98
34	Providing and Supplying wooden Single bed of size 6ftx3ft with using 18mm thick plywood in framing and 12mm thick plywood in top portion with 0.8mm thick laminate in internal and 1.0mm thick laminate in outer portion with teak wood betton patti with polishing etc. with mattress complete as per Directed By Arcitechand Engineer in Charge.	4.00	No	14170.30	56681.20
35	Providing and fixing 8 mm thick toughened glass on existing wooden table with all necessary solution and hardware, labour etc. complete or as directed by engineer in charge.	83.00	Sqm.	1003.10	83257.30
36	Providing and fixing eco-friendly light weight calcium silicate false ceiling tiles having Tegular edge & 15mm Thick Densified edges on the Tile Periphery for Extra Strength The Light weight calcium silicate ceiling tiles shall have , light reflection 85% non combustible as per B.S.476 part IV, 100% humidity resistance and also having thermal conductivity0.043 w/mKC.for the best thermal Insulation . The Light weight calcium Silicate tile shall be of approved texture Fine fissured/Spintone/Cosmoshaving NRC value of 0.5 & Globe having NRC value of 0.75 NRC or equivalent of size 595X595 mm to be laid on true horizontal level suspended inter locking metal grid of hot dipped galvanized steel sections (galvanizing @120 grams per sqm including both side) consisting of main'T' runner suitably spacedat joints to get required length and size of 24X38 mm made from 0.30mm thick (minimum)sheet,1200mm centre to centre,and cross 'T'of size24X28mm made out of 0.33mm(Minimum) sheet spaced1200mma long spaced between main 'T' at 600mm centre to centre to form agrid of 1200X600mm and secondary cross 'T' of length 600mm and size 24x28 mm made of 0.30mm thick (Minimum) sheet to be inter locked at middle of the1200X600mm panel to form grid of size 600X600mm resting on	1088.00	Sqm.	1648.96	1794068.48

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
37	Providing And fixing single layerwater proof gypsum board 12.5mm thick sections using water proof board of size 1220mmx 1830 mm x 8.0 mm suspended by GI suspender channel of size 25mm x 3mm within intermediate channelog size18mmx40mmx0.8mmat 1220 mm center to center ceiling section of size 40mm x35mm x0.55mm at 457mm c/c and perimeter channel A of size 20mm x27mm x30mm x0.5mm at edges & drops incl.paper tap sand sofit cleat, anchor fastener, scochbolt connecting cleat,joining compound top coat onceiling incl. making necy.opening for light fitting, diffuseretc. comp. asperdetail drawingas directed .	104.00	Sqm.	606.95	63122.80
38	Providing and supplying Stainless Steel Open Dustbin 304 steel Perforated Round Dustbin 7 litre Capacity for Dry Waste for office as per instruction of Engineer-in-charge. .	150.00	No	894.36	134154.00
39	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. .	358.00	Sqmt	79.22	28360.76
40	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.Cat.III (1) One No. SP 6 Amp. .	745.00	Ea.	151.50	112867.50
41	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.Cat.III (2) One No 5 pin plug. .	745.00	Ea.	151.50	112867.50

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
42	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.Cat.III (8) Computer RJ-45 socket. .	228.00	Ea.	160.59	36614.52
43	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.Cat.III (9) 16 Amp. SP one way switch .	213.00	Ea.	180.79	38508.27
44	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.Cat.III (10) 6/16Amp. Universal socket .	213.00	Ea.	199.98	42595.74
45	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size(E) in existing pipe.Cat.III (a) 2 wire 1.5 sq. mm .	540.00	Mtr	46.46	25088.40
46	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size(E) in existing pipe.Cat.III (b) 2 wire 2.5 sq. mm .	4318.00	Mtr	62.62	270393.16

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
47	providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (E) in existing pipe.Cat.III (a) 2 wire 4 sq. mm .	2200.00	Mtr	86.86	191092.00
48	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction.Cat.III [C] CAT - 6 .	8999.00	Mtr	47.47	427182.53
49	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed .Cat.III (a)20 mm .	1800.00	Mtr	24.24	43632.00
50	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed .Cat.III (b) 25 mm .	1100.00	Mtr	33.33	36663.00
51	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed .Cat.III (c) 32 mm .	150.00	Mtr	54.54	8181.00
52	Supplying & erecting UPVC Mini trunking (PVC Casing-n-Capping) having double-locking arrangement with grooves, trunking of size not below 12.5 mm in height as per IS with accessories of PVC/Resin polypropylene not below 1.8 mm thick duly sealed in joint & erected on wall / ceiling of following size .Cat.III (2) 25 mm .	850.00	Mtr	31.31	26613.50

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
53	Supplying and laying UPVC cable trunking system comprising unplasticised polyvinyl, chloride rigid material with ignition free and flame proof confirming BS with necessary end caps Internal and external bend, flat bends, coupler, tee etc..All necessary accessories and measuring of following sizes (3) 50 mm x 50 mm trunking .	450.00	Mtr	188.87	84991.50
54	Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kv grade ISI marked copper wires of following size to be erected as directed.(d) 1.50 Sq.mm 2 core round PVC sheathed .	100.00	Mtr	31.31	3131.00
55	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 %(fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Tube Light with integral driver (iv) 22-24 Watts, Surge - 2KV,IP-20, conventional 4 feet Cat-III .	40.00	Ea.	373.70	14948.00

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
56	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V,Power Factor more than 0.95, THD < 15 %,CCT 3000 K to 6500K,Luminaire efficacy> 85 lumens/watt ,LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(B) LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete.IP20 (vi) 36 watts, 24" x 24", Surge- 2KV Cat-III .	40.00	Ea.	1794.77	71790.80
57	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat-III .	50.00	Ea.	112.11	5605.50
58	Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (A) 6 to 32 Amp. Cat.III .	5.00	Ea.	299.97	1499.85
59	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing (b) sheet steel double door (IP-43) (iv)12 way .	5.00	Ea.	1492.78	7463.90

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
60	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (i) 25 Amps.DP Cat. III .	5.00	Ea.	1969.50	9847.50
61	Making trench in Hard Murrum / Tar Road of suitable width of 90 cm or required depth for laying any size of cable or locating the fault all over the run and back filling the same and making the surface as normal ground.(B) If additional machinery like hammer driller or JCB use [Add] .	340.00	Mtr	357.54	121563.60
62	Drilling the road without breaking the road surface (Asphalt) for laying of cable for feeding power supply by making up to following size of holes at both ends complete.(A) Up to 100 mm bore dia .	45.00	Mtr	492.88	22179.60
63	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (B)63mm outer dia .	340.00	mtr	73.73	25068.20
64	Providing & erecting Approved make Ceiling Fan with double ball bearing ISI mark with condenser A.C.230V 50c/s. 1400 mm. sweep complete, canopy erected on existing hook or clamp with earthing [Make shall be approved by Engineer in Charge] .	5.00	Ea.	1738.21	8691.05
65	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing. .	60.00	Mtr	108.07	6484.20
66	Supplying and erecting approved make oscillating type bracket fan A.C. 230V. 50cy/s 400/450 mm sweep wall mounted with height adjustment and rotary tilting device complete with guard, flexible Core plug top complete erected with lead wires as directed. Cat.II .	10.00	Ea.	2534.09	25340.90

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
67	SITC of LIU 12 PORT Rack Mount - Loaded (LC) SM [Approved by Competent Authority i.e. not Below the rank of Executive Engineer] .	6.00	Ea.	6901.33	41407.98
68	Supply and installation of 6-core Single mode outdoor fiber Cable Corrugated Steel tape Armored, Loose-tube Gel-filled. .	470.00	Mtr	50.50	23735.00
69	SITC of 24 x 10/100/1000BASE-T ports 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface [Approved by Competent Authority i.e. not Below the rank of Executive Engineer] .	15.00	Ea	15399.47	230992.05
70	SITC of 24 x 10/100/1000BASE-T PoE ports 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or surveillance mode" management user interface 193 W PoE budget (Including Five year free maintenance with guarantee) .	6.00	Ea	31996.80	191980.80
71	SITC of CAT6 UTP 24AWG PATCH CORD:1M,Plug 30U' Snag less [Approved by Competent Authority i.e. not Below the rank of Executive Engineer] .	450.00	Ea.	156.55	70447.50
72	Providing and erecting cordless microphone with UHF Diversity handheld wireless microphone/caller wireless complete with receiver and transmitter unit,Cardiod ,polar pattern,dynamic microphone,LCD display for battery and frequency status and information ,32 preset channels,with compatible groups of 8 channels,14 hrs.battery life,frequency response 80Hz to 18KHz.,RF sensitivity <1.0 Uv,image rejection > 55 dB,dynamic range >95 dB and receiver having 32 channels,S/N ratio>100 dBA,Dynamic range>95 dB,distortion<1% [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer](Handheld-6, Nos,Headheld-3 Nos. & Caller-3 Nos. total-16Nos.) .	12.00	Ea.	5135.85	61630.20

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
73	SITC of Gooseneck microphone Unidirectional condenser microphone Flexible stem Phantom powered by amplifier On/off sliding switch with priority contact Supplied with fixed 2 m (78 in) cable and lockable DIN connector [Approved by Competent Authority i.e. not Below the rank of Executive Engineer] .	4.00	Ea.	12046.27	48185.08
74	SITC of Cabinet loudspeaker, 15W, black High-fidelity music and speech reproduction Selectable 8 ohm, 70 V and 100 V inputs Compact yet robust ABS enclosure Supplied with adjustable mounting bracket Complies with international installation and safety regulations[Approved by Competent Authority i.e. not Below the rank of Executive Engineer] .	30.00	Ea.	9380.88	281426.40
75	SITC of Mixer amplifier, 60W [Approved by Competent Authority i.e. not Below the rank of Executive Engineer] .	4.00	Ea.	14678.33	58713.32
76	SITC of Power amplifier, 240W [Approved by Competent Authority i.e. not Below the rank of Executive Engineer] .	3.00	Ea.	19029.41	57088.23
77	SITC of Power amplifier, 480W [Approved by Competent Authority i.e. not Below the rank of Executive Engineer] .	1.00	Ea.	35635.83	35635.83
78	Item includes all kind of cable, wires, there connectors and laying and/or fixing of them on wall , ceiling or existing pipes USB 3.0 A (M) to B (M) Cable in variant size, High speed HDMI and 4K HDMI HDR 4:4:4 formate active OFC cable in various size as per the requirement of site, cable in variant size 3.0 active USB Extender cable as per site requirement, Speaker cable 2 core 1.5 sqmm, mic cable 2 core shielded cable and Audio Connector. .	4.00	Job	66660.00	266640.00
79	SITC of 15U network Wall mount rack,600*600D front glass door, 01*6 socket 5/15Amp PDU, 01*full shelf tray,02 *CFM, Hardware packet and required acc. Asper technical specification attach. .	11.00	Ea.	20514.62	225660.77

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
80	SITC of digital signal processor with 12 analog inputs and 8 analog outputs, and includes Acoustic Echo Cancellation (AEC) technology on all 12 inputs. It also includes up to 8 channels of configurable USB audio; Frequency Response: 20Hz to 20kHz, +4dBu output: +0.25 dB/-0.5 dB; THD+N (22Hz to 22kHz): 0dB gain, +4dBu input: < 0.006% 54dB gain, -50dBu input: < 0.040%; Dynamic Range (in presence of signal) 22Hz to 22kHz, 0dB gain: > 108dB; Input Impedance (balanced): 8kΩ; Output Impedance (balanced): 207Ω; Crosstalk, channel to channel, 1 kHz: 0dB gain, +4dBu input: < -85dB 54dB gain, -50dBu input: < -75dB; .	4.00	Ea.	292904.04	1171616.16
81	86" Interactive digital smart display built in Android/Windows PC, Native resolution 4k 3840x2160, Wireless Mirroring in Both direction towards and from display panel to device, brightness of 450 cd./sq.m , Available colour of 1.07G ,built android OS 12 or higher , Contrast Ratio of 1100:1 minimum , display lifespan of minimum 80,000 hours, Touch points 20minimum, having response time of ≤8ms , Touch resolution of 32768x32768, operating temperature of 0 °C to 40 °C, Storage Temperature of -10°C to 60°C, with OEM warranty for 3 + 2(extended by OEM) years , USB x 2 Rear Inputs, HDMI-In x 2, Audio In, USB x 2, TF Card, RS232 Outputs-Touch USB (Type B), Audio Out, HDMI-Out, Latest procanvas Software built in from OEM for collaboration room from the same OEM. .	3.00	Ea.	268862.00	806586.00
				Total Rs.	44971632.66
Rs. In words : Rupees Four Crore Forty Nine Lakh(s) Seventy One Thousand Six Hundred Thirty Two And Paise Sixty Six Only					

I/We am/are willing to carry out the work at.....% above/below percent(Should be written in figures and words) of the estimated rate mentioned above. Amount of my /our

Tender works out as under.

Estimated amount put to tender

Deduct.....% below

Net

In words

Estimated amount put to tender

Add.....% Above

Net

In words

Notes:

Item No	Description of Item	Quantity	Unit	Rate In figures	Amount
1	The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.				
2	The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.				
3	Income tax TDS will be deducted at a source while making payments of bills				
4	In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.				

Deputy Executive Engineer
Engineering College (R&B) Sub Division
Ahmedabad

Executive Engineer
Navrangpura (R&B) Division
Ahmedabad