

OIL INDIA LIMITED
(A Government of India Enterprise)
Plot No. 19, Sector 16A
Noida – 201301, Uttar Pradesh

**CORRIGENDUM NO. 1 DATED 08.10.2020 TO E-TENDER NO. CLI5150P21 FOR
MODIFICATION AND INTERIOR DECORATION OF OIL HOUSE SITUATED AT PLOT NO
19, SECTOR -16A, FILM CITY, NOIDA.**

This Corrigendum is issued for the following:

- a. Amendment of certain existing clauses and incorporation of certain additional clauses as per list enclosed as **Annexure-A**.
- b. Incorporation of **Annexure-III** towards Verification and Certification of Bidders' documents pertaining to technical Bid Evaluation & Bid Rejection Criteria (BEC/BRC) through OIL empanelled Independent Inspection Agencies against the tender.
- c. The **Amended Bidding Format (Price Bid)** incorporating the changes indicated in Annexure-A to this Corrigendum has been uploaded under "**Notes and Attachments**" tab in the main bidding engine of OIL's e-Tender portal.

Except for above there are no other changes in the original NIT published earlier. Prospective bidders are requested to take note of these changes.

Amendment of existing clauses and incorporation of additional clauses against E-Tender No. CL15150P21

Sl. No.	Tender Page No. & Clause No.	Existing Clause / Description	Additional Information / Modified Clause
1	Section-I (Forwarding Letter): Page 6	Phase -I:- Modification of existing plan, Interior Decoration, Furnishing including Electrical, IT, BMS, Air Conditioning of 4th and 5th Floor of OIL House with additional features like WiFi, EPABX, Digital Signage for whole building. Phase -II:- Interior Decoration works at Reception, Auditorium & Facade of OIL House including furnishing & Electrification.	Additional Information: Both the phases to be completed within 25 weeks. However, priority is for phase I and OIL desires to complete it within 16 weeks. However, both the phases to be completed in all respects by 25 weeks
2	Section-II (Instruction to Bidders)	Not Available	New Clause: 25.0 Bidders must comply with Annexure-III towards verification and certification of their documents pertaining to technical Bid Evaluation & Bid Rejection Criteria (BEC/BRC)
3	Section-III (Bid Evaluation Criteria / Bid Rejection Criteria): Note-A to Clause 1.1	SIMILAR WORK means New / Renovation works including all services such as Civil/Interior decoration, Plumbing, Watersupply. Drainage, Electrical, Water proofing, Acoustic, Audio-visual, Façade works such as metal cladding, Auditorium/ similar purpose space, WiFi, BMS, IT, Lift, Signage etc. Miscellaneous / Annual Maintenance contracts for civil / electrical works will not be considered for the purpose of consideration of SIMILAR WORK.	SIMILAR WORK means New / Renovation works including all services such as Civil / Interior decoration, Plumbing, Water-supply, Drainage, Electrical etc.
4	Section-IV (General Conditions of Contract): Clause 29.2	<u>ARBITRATION (APPLICABLE IN CASE OF CONTRACT AWARDED ON PUBLIC SECTOR ENTERPRISE):</u> In the event of any dispute or difference relating to, arising from or connected with the Contract, such dispute or difference shall be referred by either party to the arbitration of one of the Arbitrators in the Department of Public Enterprises, to be nominated by the Secretary to the Government of India, In-Charge of the Bureau of Public Enterprises. The Arbitration and Conciliation Act 1996 shall not be applicable to the Arbitration under this clause. The award of the Arbitrator shall be binding upon the parties to the dispute, provided however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Deptt. of Legal Affairs, Ministry of Law and Justice, Government of India. Upon such reference, the dispute shall be decided by the Law Secretary or the Special Secretary/Additional Secretary, whose decision shall bind the parties finally and conclusively. The parties in the dispute will share equally the cost of the arbitration as intimated by the Arbitrator.	<u>ARBITRATION CLAUSE FOR SETTLEMENT OF COMMERCIAL DISPUTES BETWEEN CENTRAL PUBLIC SECTOR ENTERPRISES (CPSES) INTER SE AND CPSE(S) AND GOVERNMENT DEPARTMENT(S)/ORGANIZATIONS(S) - ADMINISTRATIVE MECHANISM FOR RESOLUTION OF CPSES DISPUTES (AMRCD):</u> In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/ Port Trusts inter se and also between CPSEs and Government Departments/Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in OPE OM No. 4(1)/2013- DPE(GM)/FTS-1835 dated 22-05-2018.
5	Section-V (Scope of Work & Special Conditions of Contract): Clause 9 (Page 2 of 191)	The contractor has to keep a register of the persons employed by him/her. The contractor's supervisor shall take and maintain attendance of his manpower every day for the work, punctually.	The contractor has to keep a register of the persons employed by him/her. The contractor's supervisor shall take and maintain attendance of his manpower every day for the work, punctually. The Contractor has to provide one Site Engineer having requisite knowledge in Project Management in the software Primavera or Microsoft Project. As the Project is time bound, the Project will be monitored through Project Management tools. Everyday's progress have to be intimated to the Engineer in Charge with critical path analysis and action plan.
6	Section-V (Scope of Work & Special Conditions of Contract): Page 2 of 191	Not Available	New Clause: 13.1 Installation, Configuration & Commissioning of Wi-Fi Solution and Network Switches is to be done by the Contractor.

Sl. No.	Tender Page No. & Clause No.	Existing Clause / Description	Additional Information / Modified Clause
7	Section-V (Scope of Work & Special Conditions of Contract): Page 2 of 191	Not Available	New Clause: 13.2 The Bidder/Contractor shall be required to sanitise the Site/ Equipment on daily basis. Further, COVID test of labour and staff to be engaged at site to be done and only the unaffected/ recovered persons to be engaged in the jobs. A copy of Covid-19 test reports of the engaged personnel to be submitted by OIL as and when desired by OIL.
8	Section-V (Scope of Work & Special Conditions of Contract): Page 184 of 191	TECHNICAL SPECIFICATION FOR LIFT	Additional Information: Make of Lift - M/s. KONE
9	Bidding Format: Item No 2.31 (Page 9 of 107)	Providing & Applying Plaster of Paris putty over plastered surface, leveling and smooth finishing the surface including sand papering the old surface etc. All complete as per approval and instructions of the Engineer – in - charge.	Additional Information: Proper line and level to be achieved by 6 mm thickness of Plaster of Paris Putty as per Item No 13.26 of DSR
10	Bidding Format: Item No 2.38 (Page 9 of 107)	Spirit Polishing the grooves in dark / charcoal colour	Additional Information: Groove size will vary between 6mm x6mm to 12mm x 12mm
11	Bidding Format: Item No 2.43(a) (Page 10 of 107)	Swiss white stone Basic rate : Rs.10,700/- Per SQM.	Additional Information: No additional chemical coating is required.
12	Bidding Format: Item No 2.44(a) (Page 10 of 107)	14 mm th white marble with fluting design with CNC machine. Cost for fluting to be paid for in the relevant item.	Additional Information: Basic rate of white marble shall be Rs. 1800/- Per Sq.Mtr.
13	Bidding Format: Item No 2.44(b) (Page 11 of 107)	12 mm th. Mesh mounted mosaic using various natural marbles	Additional Information: Basic rate of mesh mounted stone shall be Rs. 11300 /- Per Sq.Mtr.
14	Bidding Format: Item No 2.44(c) (Page 11 of 107)	Extra for fluting design with CNC machine	Additional Information: Basic rate fluring shall be Rs. 1275 /- Per Sq.ft.
15	Bidding Format: Item No 2.45(a) (Page 11 of 107)	25mm x 62mm	Additional Information: Basic rate of marble shall be Rs. 3500/- Per Sq.Mtr.
16	Bidding Format: Item No 2.45(b) (Page 11 of 107)	150 mm x 500mm	Additional Information: Basic rate of marble shall be Rs. 4500/- per Sq.Mtr.
17	Bidding Format: Item No 2.46(a) (Page 11 of 107)	Black Granite	Additional Information: Basic rate of black granite shall be Rs. 1200/- Per Sq.Mtr.

Sl. No.	Tender Page No. & Clause No.	Existing Clause / Description	Additional Information / Modified Clause
18	Bidding Format: Item No 2.47 (Page 11 of 107)	Providing and laying, mirror polished Natural stone / Italian marble (16mm minimum thickness) flooring as detailed in drawings & as per instructions of EIC, bedded over 20mm thk cement sand mortar of mix ratio 1:4 (1 cement : 4 coarse sand) including cleaning and preparing the surfaces for bedding by spreading neat slurry minimum cement about 4.4 kg / sq. m over cleaned surface of cement sand mortar bed, cleaning, curing. Laying of stone to be as per instruction and approved methodology of manufacturer all complete to the full satisfaction of EIC.. Item includes filling the grooves / joints with tanex & end joints / edges with cement ploymer grout of approved quality. Italian Marble - Persia Grey Leather finish. All complete as per drawing, approval and instructions of the Engineer-in-charge.	Additional Information: Basic rate of ItalianMarble-Persia Grey Leather finish Rs. 4035/- per sq.mtr.
19	Bidding Format: Item No 2.50 (Page 11 of 107)	Providing and laying approved 15 - 17mm thk polished Natural Granite Tan Brown in skirting , treads and risers of steps in single length and on landings / floor as detailed in drawings and as per instructions of EIC, bedded over 12 mm thk cement sand mortar of mix ratio 1:4 (1cement : 4 coarse sand) including cleaning and preparing the surfaces for bedding by spreading neat slurry minimum cement about 3.3 kg / sq. m over cleaned surface, cleaning ,curing, laying of stone to be as per instruction and approved methodology of manufacturer all complete. Item includes filling the grooves / joints with pointing in white cement mixed with pigmnet of matching shade complete.	Additional Information: Basic rate of Granite Tan Brown Rs. 2200/- Per Sqm
20	Bidding Format: Item No 2.51 (Page 12 of 107)	Providing and fixing 18mm thk pre textured machine cut Quartzite - Sarpajayanti Stone with two process finish-Sandblasted and aqua finish . stone in main entrance stairs laid over 20 mm thk base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding, the edge etc. complete at all levels. Item includes laying the stone in staircase on treads & Risers complete. Stone to be protected with two or more coats of Laticrete Maxisealer or approved equivalent.	Additional Information: Basic rate of pre textured machine cut Quartzite - Sarpajayanti Stone Rs. 2045/- Per Sqm
21	Bidding Format: Item No 2.52 (Page 12 of 107)	Providing and fixing 15mm thk Italian stone - Premium grey polished finish in main stairs laid over 20 mm thk base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding, and polishing to edge to give high gloss finish etc. complete at all levels.	Additional Information: Basic rate of 15mm thk Italian stone - Premium grey polished finish is Rs. 3770/- per sq.mtr.
22	Bidding Format: Item No 2.57 (Page 13 of 107)	Providing & Fixing of Forbo Flotex Flocked floor covering in rolls in floor as per following specifications: Products should be installed with suitable adhesive as recommended by manufacture. Carpet shall be High Definition Print shade series having a density of 70 million fibres of nylon 6.6 per M2 , Fire Test EN-13501, Appearance Retention Hexapod ISO 140-8, Friction Slip Resistance Test EN 14041 Class DS, sanitized anti-microbial treatment with resilient waterproof backing ,anti allergic certified by British allergy foundation, anti static, thickness 4.3 mm and approximate weight of 1.8 k.g./sqm of roll form.Total Thickness as per ISO 1765 : 4.3 mm Roll width : 2.0 M Roll length : 30 M Dimensional stability as per ISO 2551 : <0.2% Slip Resistance as per DIN 51097 : >0.7 Dry and Wet Total weight as per ISO 8543 : 1.8 kg/M2 Light fastness as per EN ISO 105 B02 : 6 Commercial heavy as per EN 685 : Class 33 Reaction to fire as per EN 13501-1 : Bfl-s1. All complete as per drawing, approval and instructions of the Engineer-in-Charge.	Additional Information: Basic rate of carpet Rs. 3335/- Per Sqm

Sl. No.	Tender Page No. & Clause No.	Existing Clause / Description	Additional Information / Modified Clause
23	Bidding Format: Item No 7.9 (Page 47 of 107)	<p>Anutone Strand magnesite bonded pinewoodfibre panels of size 600x1200x15mm, density 400kg/m³, weight 6kg/m² is installed to Strut CC10 Cross Channel, inbetween tracks by using suitable fasteners. Longer edges of panels should be preferably perpendicular to the Strut CC10.SynthPF 10x10 is adhered on Anutone Strand by using dab spots of Anutone Stick S7 adhesive. This completes the substrate to receive the Stretch SLS acoustical membrane.</p> <p>The Anutone Stretch SLS acoustical membrane of width 3/4/5m is stretched and tucked into the Anutone Strut Tracks and secured to the locking jaws with purpose-specific tucking tools to obtain smooth, taut, wrinkle-free finish. Ensure the weft and weave of the fabric along with the surface are all oriented in one direction to achieve uniform shade. Note: minimum 200mm additional fabric is required for tucking hence maximum module wall fabric width would be 2800/3800/4800mm.</p> <p>Panels shall be backlined with acoustical infill of Anutone Synth PF 10x50mm thick adhered to the wall using Stick 7 adhesive.</p> <p>Technical Parameters of fabric</p> <ul style="list-style-type: none"> • Fire (Class) – A • Acoustics – na • Thermal conductivity (W/mk)– 0.1 • Climate (°C, RH) – 49, 90 • Light reflectance (%) – Colour Dependant • Green (VoC, RC %) – Low, 25 <p>Technical Parameters of Strand</p> <ul style="list-style-type: none"> • Fire (Class) – 1 & P • Acoustics – NRC 0.97 (For 40mm C50 Mounting) • Thermal conductivity (W/mk)– 0.07 • Climate (°C, RH) – 50, 95 • Light reflectance (%) – 80 • Green (VoC, RC %) – Low, 30 	<p>Anutone Strand magnesite bonded pinewoodfibre panels of size 600x1200x15mm, density 400kg/m³, weight 6kg/m² is installed to Strut CC10 Cross Channel, inbetween tracks by using suitable fasteners. Longer edges of panels should be preferably perpendicular to the Strut CC10.SynthPF 10x10 is adhered on Anutone Strand by using dab spots of Anutone Stick S7 adhesive. This completes the substrate to receive the Stretch SLS acoustical membrane.</p> <p>The Anutone Stretch SLS acoustical membrane of width 3/4/5m is stretched and tucked into the Anutone Strut Tracks and secured to the locking jaws with purpose-specific tucking tools to obtain smooth, taut, wrinkle-free finish. Ensure the weft and weave of the fabric along with the surface are all oriented in one direction to achieve uniform shade. Note: minimum 200mm additional fabric is required for tucking hence maximum module wall fabric width would be 2800/3800/4800mm. Fabric cost shall be @ Rs 500/- per mtre</p> <p>Panels shall be backlined with acoustical infill of Anutone Synth PF 10x50mm thick adhered to the wall using Stick 7 adhesive.</p> <p>Technical Parameters of fabric</p> <ul style="list-style-type: none"> • Fire (Class) – A • Acoustics – na • Thermal conductivity (W/mk)– 0.1 • Climate (°C, RH) – 49, 90 • Light reflectance (%) – Colour Dependant • Green (VoC, RC %) – Low, 25 <p>Technical Parameters of Strand</p> <ul style="list-style-type: none"> • Fire (Class) – 1 & P • Acoustics – NRC 0.97 (For 40mm C50 Mounting) • Thermal conductivity (W/mk)– 0.07 • Climate (°C, RH) – 50, 95 • Light reflectance (%) – 80 • Green (VoC, RC %) – Low, 30

Sl. No.	Tender Page No. & Clause No.	Existing Clause / Description	Additional Information / Modified Clause
24	Bidding Format: Item No 7.34 (Page 51-52 of 107)	<p>Acoustic Wall Panelling as per following specifications in sync with Acoustic ceiling design</p> <p>Supply and installation of Anutone Stretch SLS system consisting of FR Grade Solserene fabric-based membrane with high-performance integrated core and acoustically-transparent face covering of choice colour, size 3/4/5mx75m, stretched by using combination of Anutone Strut CC10 Cross Channel, Anutone Strut SE 25 Tracks, Anutone Strand, Anutone SynthPF 10x10 infill with requisite accessories.</p> <p>The Anutone Strut system includes Anutone Strut CC10 Cross Channel, fully knurled, sectional thickness 0.55mm, length 3600mm, web 40, depth 10mm and equal flanges of 15mm is fastened to the wall @ 600mm centers. Anutone SE 25 tracks to be installed on Anutone Strut CC10 after applying Stick S7 adhesive on both surfaces for a true and continuous secure grip, and heavy-duty fasteners at 150mm centers on one/both sides of Anutone Strut Tracks.</p> <p>Anutone Strand magnesite bonded pinewoodfibre panels of size 600x1200x15mm, density 400kg/m3, weight 6kg/m2 is installed to Strut CC10 Cross Channel, inbetween tracks by using suitable fasteners. Longer edges of panels should be preferably perpendicular to the Strut CC10.SynthPF 10x10 is adhered on Anutone Strand by using dab spots of Anutone Stick S7 adhesive. This completes the substrate to receive the Stretch SLS acoustical membrane.</p> <p>The Anutone Stretch SLS acoustical membrane of width 3/4/5m is stretched and tucked into the Anutone Strut Tracks and secured to the locking jaws with purpose-specific tucking tools to obtain smooth, taut, wrinkle-free finish. Ensure the weft and weave of the fabric along with the surface are all oriented in one direction to achieve uniform shade. Note: minimum 200mm additional fabric is required for tucking hence maximum module wall fabric width would be 2800/3800/4800mm.</p> <p>Panels shall be backlined with acoustical infill of Anutone Synth PF 10x50mm thick adhered to the wall using Stick 7 adhesive.</p> <p>Technical Parameters of fabric</p> <ul style="list-style-type: none"> • Fire (Class) – A • Acoustics – na • Thermal conductivity (W/mk)– 0.1 • Climate (°C, RH) – 49, 90 • Light reflectance (%) – Colour Dependant • Green (VoC, RC %) – Low, 25 <p>Technical Parameters of Strand</p> <ul style="list-style-type: none"> • Fire (Class) – 1 & P • Acoustics – NRC 0.97 (For 40mm C50 Mounting) • Thermal conductivity (W/mk)– 0.07 • Climate (°C, RH) – 50, 95 • Light reflectance (%) – 80 • Green (VoC, RC %) – Low, 30 	<p>Acoustic Wall Panelling as per following specifications in sync with Acoustic ceiling design</p> <p>Supply and installation of Anutone Stretch SLS system consisting of FR Grade Solserene fabric-based membrane with high-performance integrated core and acoustically-transparent face covering of choice colour, size 3/4/5mx75m, stretched by using combination of Anutone Strut CC10 Cross Channel, Anutone Strut SE 25 Tracks, Anutone Strand, Anutone SynthPF 10x10 infill with requisite accessories.</p> <p>The Anutone Strut system includes Anutone Strut CC10 Cross Channel, fully knurled, sectional thickness 0.55mm, length 3600mm, web 40, depth 10mm and equal flanges of 15mm is fastened to the wall @ 600mm centers. Anutone SE 25 tracks to be installed on Anutone Strut CC10 after applying Stick S7 adhesive on both surfaces for a true and continuous secure grip, and heavy-duty fasteners at 150mm centers on one/both sides of Anutone Strut Tracks.</p> <p>Anutone Strand magnesite bonded pinewoodfibre panels of size 600x1200x15mm, density 400kg/m3, weight 6kg/m2 is installed to Strut CC10 Cross Channel, inbetween tracks by using suitable fasteners. Longer edges of panels should be preferably perpendicular to the Strut CC10.SynthPF 10x10 is adhered on Anutone Strand by using dab spots of Anutone Stick S7 adhesive. This completes the substrate to receive the Stretch SLS acoustical membrane.</p> <p>The Anutone Stretch SLS acoustical membrane of width 3/4/5m is stretched and tucked into the Anutone Strut Tracks and secured to the locking jaws with purpose-specific tucking tools to obtain smooth, taut, wrinkle-free finish. Ensure the weft and weave of the fabric along with the surface are all oriented in one direction to achieve uniform shade. Note: minimum 200mm additional fabric is required for tucking hence maximum module wall fabric width would be 2800/3800/4800mm. Basic rate of fabric shall be Rss. 500/- per sq.mtr.</p> <p>Panels shall be backlined with acoustical infill of Anutone Synth PF 10x50mm thick adhered to the wall using Stick 7 adhesive.</p> <p>Technical Parameters of fabric</p> <ul style="list-style-type: none"> • Fire (Class) – A • Acoustics – na • Thermal conductivity (W/mk)– 0.1 • Climate (°C, RH) – 49, 90 • Light reflectance (%) – Colour Dependant • Green (VoC, RC %) – Low, 25 <p>Technical Parameters of Strand</p> <ul style="list-style-type: none"> • Fire (Class) – 1 & P • Acoustics – NRC 0.97 (For 40mm C50 Mounting) • Thermal conductivity (W/mk)– 0.07 • Climate (°C, RH) – 50, 95 • Light reflectance (%) – 80 • Green (VoC, RC %) – Low, 30
		PA / EA Cabins Workstation : Providing and Fixing the following in PA / EA Cabins:	PA / EA Cabins Workstation : Providing and Fixing the following in PA / EA Cabins:

Sl. No.	Tender Page No. & Clause No.	Existing Clause / Description	Additional Information / Modified Clause
25	Bidding Format: Item No 7.107 (Page 65-66 of 107)	<p>HNI / approved make "Connect 50" Curvilinear Workstation 1500 L x 1500 W x 1200mm Ht , Frame is 50 mm thick and made of Aluminium Extrusions of 1.2 mm to 1.5mm thickness. The System is complete hollow system with space for wire reticulation . All the frames will be duly powder coated . All the frames are fastened together by means of M6 NUTS & BOLTS . All the frames are fitted with M10 leveling bolts.board.Raceway :-The raceway cover are sliding type and are integrally fitting inside frame and are made out of 0.8mm - 1mm thick CRCA steel & powder coated.</p> <p>The electrical raceway can be provided below worktop or above worktop.The partition has two integrated raceway provided one at skirting level and another at the work surface level thus ensuring separation of power and networking cables. The free space available within raceway accommodates power, data and communication cables. The cable can be taken into the Frame from the floor from the bottom. Tiles: Fabric Tile: Constructed out of 5mm thick Medium Density Fiber Board (MDF) and covered with Fabric of choice. Laminate Tile: Made out of 5mm - 8mm thick Pre-laminated Medium Density Fiber Board (MDF)</p> <p>Bottom Row of Steel Tile: Constructed out of 0.8mm CRCA sheet and finished in epoxy powder coating. Can be given with plain / perforations / embossed finishes.Magnetic tile: Constructed out of 0.8mm Galvanized sheet and covered with fabric of choice. Whiteboard marker tiles: Made out of 4mm MDF with 1mm glossy highly wear resistant face laminate . Total thickness is 5mm. Table tops are of 25mm thk Pre-laminated particleboards conforming to IS : 12823 Interior Grade. A</p> <p>Il Worktops to have Metal Insets for fixing screws. Specially designed powder coated M.S. brackets having 2mm thickness fixed to the partition frame support the tabletops. Sealed edge in table top are with 2mm thick PVC edge banding on Working side and 0.8mm thick edge banding on non working side. Table tops are supported on 50mm x 50mm metal powder coated legs.</p>	<p>Curvilinear Workstation 1500 L x 1500 W x 1200mm Ht , Frame is 50 mm thick and made of Aluminium Extrusions of 1.2 mm to 1.5mm thickness. The System is complete hollow system with space for wire reticulation . All the frames will be duly powder coated . All the frames are fastened together by means of M6 NUTS & BOLTS . All the frames are fitted with M10 leveling bolts.board.Raceway :-The raceway cover are sliding type and are integrally fitting inside frame and are made out of 0.8mm - 1mm thick CRCA steel & powder coated.</p> <p>The electrical raceway can be provided below worktop or above worktop.The partition has two integrated raceway provided one at skirting level and another at the work surface level thus ensuring separation of power and networking cables. The free space available within raceway accommodates power, data and communication cables. The cable can be taken into the Frame from the floor from the bottom. Tiles: Fabric Tile: Constructed out of 5mm thick Medium Density Fiber Board (MDF) and covered with Fabric of choice. Laminate Tile: Made out of 5mm - 8mm thick Pre-laminated Medium Density Fiber Board (MDF)</p> <p>Bottom Row of Steel Tile: Constructed out of 0.8mm CRCA sheet and finished in epoxy powder coating. Can be given with plain / perforations / embossed finishes.Magnetic tile: Constructed out of 0.8mm Galvanized sheet and covered with fabric of choice. Whiteboard marker tiles: Made out of 4mm MDF with 1mm glossy highly wear resistant face laminate . Total thickness is 5mm. Table tops are of 25mm thk Pre-laminated particleboards conforming to IS : 12823 Interior Grade. A</p> <p>Il Worktops to have Metal Insets for fixing screws. Specially designed powder coated M.S. brackets having 2mm thickness fixed to the partition frame support the tabletops. Sealed edge in table top are with 2mm thick PVC edge banding on Working side and 0.8mm thick edge banding on non working side. Table tops are supported on 50mm x 50mm metal powder coated legs.</p>
26	Bidding Format: Item No 8.9 (Page 68 of 107)	Estimated Quantity: 55	Estimated Quantity: 97
27	Bidding Format: Item No 8.15 (Page 69 of 107)	Estimated Quantity: 5	Estimated Quantity: 7
28	Bidding Format: Item No 8.16 (Page 69 of 107)	<p>Directors Table Visitor - CH 2 Size : Width: 26", Depth: 22.5", Height: 29" Reclaimed Teak, High-density Foam, Natural Polish and Fabric.</p> <p>Seen here in cotton weave fabric. Ref Brand Baro Crescent cat. Chairs</p> <p>Estimated Quantity: 20</p>	<p>CMD & Directors Visitor chair - CH 2 Size : Width: 26", Depth: 22.5", Height: 29" Reclaimed Teak, High-density Foam, Natural Polish and Fabric.</p> <p>Seen here in cotton weave fabric. Ref Brand Baro Crescent cat. Chairs</p> <p>Estimated Quantity: 24</p>
29	Bidding Format: Item No 8.26 (Page 70 of 107)	<p>Directors Lounge Chaise - CH4 Size: 940 mm (W) x 915 mm (D) x 762 mm (H) Eames Lounge Chair with Ottoman - Stainless Steel legs, soft italian genuine leather clad to a wooden veneer shell, soft foam cushioning in lounge and ottoman as well. Ref Brand Idus cat. Armchair prod. Glove arm chair</p> <p>Estimated Quantity: 4</p>	<p>CMD Ante room & Directors Lounge Chaise - CH4 Size: 780 mm (W) x 970 mm (D) x 700 mm (H) Lounge Chair with Ottoman - Stainless Steel legs, fabric clad , soft foam cushioning in lounge and ottoman as well. Ref Stanley cat. Model - Stressless@Consul</p> <p>Estimated Quantity: 5</p>

Sl. No.	Tender Page No. & Clause No.	Existing Clause / Description	Additional Information / Modified Clause
30	Bidding Format: Item No 8.27 (Page 70 of 107)	Directors Lounge Side Table - ST 2 Size : 19.5" W x 15" D x 21" H Reclaimed Teak, Natural Polish, designed nest of tables. Ref Brand Baro cat. Tables prod. Nest japanese Style Tables Estimated Quantity: 4	CMD ante room & Directors Lounge Side Table - ST 2 Size : 19.5" W x 15" D x 21" H Reclaimed Teak, Natural Polish, designed nest of tables. Ref Brand Baro cat. Tables prod. Nest japanese Style Tables Estimated Quantity: 5
31	Bidding Format: Item No 8.35 (Page 71 of 107)	4 seater L Shape Sofa Size : 2700mm x 2700mm x 700mm Entire structure framework made out of solid wood cut to shape Oak /Teak wood. Nawar over framework, z - spring, covered with hession cloth. Loose cushion 150mm thick rubber seat, back tapered , 50mm high density foam, covered with 25mm thick polyfill and markeen finished with approved fabric. of basic rate Rs. 2000/- per mtr. Protection with 3M-Scotch Guard .Wood finished in PU.	2 seater + Corner + 2 Seater L Shape Sofa: Size: 2286 mm (W) x 2286mm (W) x 952 mm (D) x 838mm (H) Finishes & Finishing: finished with approved fabric. of basic rate Rs. 2000/- per mtr. Protection with 3M-Scotch Guard . 4 nos Loose cushions with filler of basic rate Rs.1,000/- Per pc, each. Refer Stanley Cat. Model - Fabio
32	Bidding Format: Page 72 of 107	Item No 8.44	ITEM DELETED
33	Bidding Format: Page 72 of 107	Item No 8.45	ITEM DELETED
34	Bidding Format: Page 73 of 107	Item No 8.54	ITEM DELETED
35	Bidding Format: Page 73 of 107	Item No 8.55	ITEM DELETED
36	Bidding Format: Page 73 of 107	Item No 8.56	ITEM DELETED
37	Bidding Format: Page 73 of 107	Item No 8.57	ITEM DELETED
38	Bidding Format: Item No X - HVAC Works (Page 90 of 107)	Make of VRV: Daikin	Additional brands: TOSHIBA/MITSUBISHI

Annexure- III to E-Tender No. CLI5150P21

Oil India Limited (OIL) has engaged the following 09 (Nine) Independent Inspection Agencies for a period of 04 (four) years with effect from 06.05.2020 to verify and certify of various documents required against BEC/BRC of the tender:

SI. No.	Name of Independent Inspection Agency	Contact E-mail ID
i.	M/s. RINA India Pvt. Ltd.	a. ssd@rina.org b. Andrea.Vattuone@rina.org
ii.	M/s. Dr. Amin Controllers Pvt. Ltd.	a. rkjain@rcaindia.net b. info@rcaindia.net
iii.	M/s. Germanischer Lloyd Industrial Services GmbH (DNV GL- Oil & Gas)	a. mangesh.gaonkar@dnvgl.com
iv.	M/s. TÜV SÜD South Asia Pvt. Ltd.	a. Jaimin.Bhatt@tuv-sud.in b. sanjaykumar.singh@tuv-sud.in c. Pankaj.Narkhede@tuv-sud.in d. Ajit.Yadav@tuv-sud.in
v.	M/s. IRCLASS Systems and Solutions Private Limited	a. abhishek.singh@irclass.org b. pradeep.bansal@irclass.org c. Asim.Hajwani@irclass.org d. Amit.Ketkar@irclass.org e. industrial_services@irclass.org
vi.	M/s. Gulf Lloyds Industrial Services (India) Pvt. Ltd.	a. contact@gulflloyds.com b. bbhavsar@gulflloyds.com c. inspection@gulflloyds.com d. gulflloyds.india@gmail.com
vii.	M/s. TUV India Private Limited	a. salim@tuv-nord.com b. delhi@tuv_nord.com
viii.	M/s. TÜV Rheinland (India) Pvt. Ltd.	a. Shailesh.Deotale@ind.tuv.com b. ravi.kumar@ind.tuv.com c. rupeshkumar.singh@ind.tuv.com d. Neeraj.Chaturvedi@ind.tuv.com
ix.	M/s. Bureau Veritas (India) Private Limited	a. udit.chopra@bureauveritas.com b. vishal.sapale@bureauveritas.com c. dinesh.sukhramani@bureauveritas.com d. p.sridhar@bureauveritas.com e. hariprasad.jhawar@bureauveritas.com f. amit.shaw@bureauveritas.com g. business.support@bureauveritas.com h. labhanshu.sharma@bureauveritas.com i. pramodkumar.yadav@bureauveritas.com j. sonal.lad@bureauveritas.com k. bvindia.corporate@in.bureauveritas.com

2.0 The Bidders have to get verified and certified the various documents required against BEC/BRC of the tender by anyone of the above Independent Inspection Agencies and submit the duly certified Inspection Certificate by the Inspection Agencies along with the Technical Bid of the Tender. All Charges of the Third-party Independent Inspection Agencies towards verification of bidder's documents and certification thereof shall be borne by the respective bidders and Payments on account of above inspection, verification and certification shall be made directly by the Bidder to the Inspection

Agency(s). OIL will not be responsible for any payment dispute between Bidders and Third Party Inspection Agencies.

3.0 As mentioned above, Bidder(s) have to submit the verified documents along with the Technical Bids. Bid submitted with un-verified supporting documents shall not be normally considered. However, in case a bidder submits its bid alongwith all relevant supporting documents as per BEC/BRC without getting all/some of them verified by the designated Independent Inspection agency, such bid can be provisionally considered provided it is accompanied by an Undertaking by the Bidder on their official letterhead to submit the duly verified copies/verification certificate within seven (7) days of actual bid opening. Company will neither send any reminder nor seek any clarification in this regard from such bidders, and the bid will be rejected outright if the bidder fails to submit the verified copies/verification certificate within seven (7) days of actual bid opening at its own risk and responsibility. If a bidder does not submit the undertaking towards submission of third party certification within 7 days from date of Bid Closing date, but certified document reaches us within the cut-off date of above seven (7) days, then such bids shall be considered.

4.0 The methodology of inspection/ verification of documents followed by the agencies is broadly as under but not limited to :

- (a) Oil India Limited will incorporate a relevant clause in the tender along with the list of empanelled inspection agencies where document verification pertaining to BEC/BRC of the tender is required. The prospective bidder will contact any of the empanelled inspection agencies against such tender. When prospective bidders approach any of the OIL's empanelled Inspection Agency, the agency will ask for the tender document and should go through the Tender Document, especially the requirements of BEC/BRC and list the documents to be verified. The inspection Agency shall depute their qualified/competent inspector to the Bidder's premises to check the original documents and certify the copies which the bidder shall submit along with their bids. OIL will reserve the right to ask the inspection agencies to verify the documents with source, if required **at no extra cost to OIL**. A copy of the Inspection Certificate shall be directly sent to the Concerned Tendering officer of OIL INDIA LIMITED, mentioned in the respective tender.
- (b) Verification of documents are normally categorised as under:
 - **General Requirement:**
 - Check Bidder's PAN Card
 - Check Bidder's GST Certificate
 - Check ITR of company – last three years (minimum)
 - Check Bidder's Certificate of Incorporation – Domestic Bidder.
 - **Additional Documents : (If applicable against the tender)**
 - Joint Ventures Agreements – To Double-check with JV Partners
 - Consortium Agreements – To Double-check with Consortium Partners
 - Holding/ Parent/Subsidiary Company – To check the notarized Share Holding pattern
 - **Technical Criteria**
 - Experience Proof –To check Original Work Order as per BEC /criteria
 - To check Company Name

- To check Similar Work Definition against Work Order, Scope of work (JV or Consortium too)
- To check the Execution period
- To Check the Completion Certificates – Letter of Appreciations of proper Execution
- Reference contact verification and true copy verification
- Match Original Work Order/Contract Copy with Soft Copies or notarized scan copies

➤ **Financial Criteria**

- Check Audited Balance Sheet – Turnover as per BEC along with the bidder's compliance with respect to the following clause:

Considering the time required for preparation of Financial Statements, if the last date of the preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year _____ (as the case may be) has actually not been audited as on the Original bid closing date as per format'.

- Check Net-Worth – as per BEC
- Check Notarization validity
- Check original audited Balance Sheet with scan copies.
- To check the Line of Credit, if incorporated in the tender.

(END OF ANNEXURE–III)

BIDDING FORMAT (PRICE BID) - AMENDED								
Name of Bidder:								
SI No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	
	I		Dismantling/ Demolishing					
	1		Dismantling / Demolishing and removing the following in locations as earmarked to accommodate the proposed new layout. Disposal of dismantled material to a place permitted by the Noida Municipal Authorities/ or as directed by OIL , including making good any damages done to the structure during dismantling complete in all respects . No dismantled material will be allowed to be accumulated at site (4th or 5th floors). The rates shall be for all leads , Heights , lifts and strictly as per directions of EIC . All dismantling to be carried out under strict supervision including putting scaffolding props (steel plates etc.) where ever required (for all items of demolition / dismantling) to accomodate new layout and complete as per drawings, approvals and instructions of the Engineer-in charge (EIC).					
1	1.1		Demolishing Cement Concrete manually / by mechanical means & throughly cleaning the surface clean including disposal of material initially to Ground floor in the area earmarked by EIC and susequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	CUBIC METER	50.00			0.00
2	1.2		Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material initially to Ground floor in the area earmarked by EIC and susequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	CUBIC METER	5.00			0.00
3	1.3		Demolishing brick work including plaster on (both sides) including any cladding/ panelling on either sides of walls (if any) either manually/ mechanical means including stacking of serviceable material initially to Ground floor in the area earmarked by EIC and susequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge. In cement mortar	CUBIC METER	125.00			0.00
4	1.4		Dismantling doors, windows and clerestory windows (steel / wood/ Aluminium) shutter including chowkhats, architrave, holdfasts etc. complete and stacking initially to Ground floor in the area earmarked by EIC and susequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge : Of area 3 sq. metres and below	EACH	49.00			0.00
5	1.5		Dismantling Doors, Windows and clerestory windows (steel / wood / Aluminium) shutter including chowkhats, architrave, holdfasts etc. complete and stacking initially to Ground floor in the area earmarked by EIC and susequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge : Of area beyond 3 sq. metres	EACH	35.00			0.00
6	1.6		Dismantling tile work in floors and roofs laid in cement mortar including stacking material initially to Ground floor in the area earmarked by EIC and susequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge. For thickness of tiles 10 mm to 25 mm	SQUARE METER	370.00			0.00
7	1.7		Dismantling stone slab flooring including cement mortar including stacking of serviceable material and disposal of unserviceable material initially to Ground floor in the area earmarked by EIC and susequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	SQUARE METER	2,600.00			0.00
9	1.11		Dismantling aluminium/ Gypsum/ Wooden partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material initially to Ground floor in the area earmarked by EIC and susequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	SQUARE METER	600.00			0.00

Sl No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
10	1.12		Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal initially to Ground floor in the area earmarked by EIC and subsequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	SQUARE METER	20.00		20.00		0.00
11	1.13		Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge for all leads till the location permitted by Municipal authorities & approvals including all lifts, levels, heights involved loading & unloading complete as per directions of Engineer - in Charge.	CUBIC METER	270.00		270.00		0.00
12	1.14		Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials initially to Ground floor in the area earmarked by EIC and subsequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.						
			a) 100 mm diameter	METER	50.00		50.00		0.00
			b) 150 mm diameter	METER	50.00		50.00		0.00
13	1.15		Removing/Dismantling carefully in the existing Toilets / Kitchen/ Pantry all the existing fittings / fixtures / mirrors / wall dado / windows (as per drawing) / doors / vanity or any other misc. item including GI / CI pipes of various sizes laid in walls / floors etc.including breaking of main floor , removal of any filled up material including removal of unserviceable material. No dismantled material will be allowed to be accumulated at site the rates shall be for all leads & lifts including if sunken slab is envisaged during dismantling then removal of khanger / foam concrete etc. till bare slab and shifting all unserviceable material / malba etc. initially to Ground floor in the area earmarked by EIC and subsequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	LUMPSUM	1.00		1.00		0.00
14	1.16		Dismantling Electrical fittings/ fixtures / wires /cables / conduits or any other electrical fitting / fixture envisaged during dismantling of entire area complete and stacking within Premises initially to Ground floor in the area earmarked by EIC and subsequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	LUMPSUM	1.00		1.00		0.00

SI No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
15	1.17		Dismantling existing AC duct complete including insulation, diffuser, grills, hangers etc. Disposal of unserviceable material to a place permitted by the municipal authorities including shifting initially to ground floor in the space permitted and subsequently to the approved disposal place including making good any damages if any complete in all respects. No unserviceable dismantled material will be allowed to be accumulated at site.	LUMPSUM	1.00		1.00		0.00
16	1.18		Dismantling existing AHU including wall / ceiling insulation/ pump etc including any other related works in AHU room and stacking at a permitted place initially to Ground floor in the area earmarked by EIC and subsequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	LUMPSUM	1.00		1.00		0.00
17	1.19		Dismantling existing conduits, cable tray, wiring, DB, DB panel , Cables , race ways area complete, cable trays switch sockets, smoke / heat detectors, speakers, hooters, data and voice outlets, cables , tag block etc. complete including shifting to Ground floor to the space permitted and subsequently to the Municipal disposal area including stacking of serviceable material and disposal of unserviceable material at a permitted place outside the premises by the municipal authorities.	LUMPSUM	1.00		1.00		0.00
18	1.20		Dismantling existing sprinklers, pipes etc. of any diameter complete in all respects and shifting initially to Ground floor in the space permitted and subsequently to the location as approved by the Municipal authorities.	LUMPSUM	1.00		1.00		0.00
19	1.21		Dismantling existing MS Railing on 4th floor complete including stacking of serviceable material initially to Ground floor and subsequently to space approved by Municipal authorities and disposal of unserviceable material at a permitted place outside the premises.	LUMPSUM	1.00		1.00		0.00
20	1.22		Dismantling carefully the split air-conditioning / Window AC units including indoor and outdoor units, copper and drain piping, MS stand etc. complete in all respects including stacking of serviceable material and disposal of unserviceable material at a permitted place outside the premises.	EACH	10.00		10.00		0.00
21	1.23		Dismantling existing filling of any type of material in sunken / raised portion of the flooring including disposal initially to Ground floor in the area earmarked by EIC and subsequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	CUBIC METER	100.00		100.00		0.00
22	1.24		Dismantling glass or any other material restroom cubicles initially to Ground floor in the area earmarked by EIC and subsequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	EACH	2.00		2.00		0.00
23	1.25		Dismantling glass or any other material urinal modesty panel initially to Ground floor in the area earmarked by EIC and subsequently to the location approved by Municipal Authorities complete as per direction of Engineer - in - charge.	EACH	2.00		2.00		0.00

SI No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
24	1.26		Dismantling / Demolishing and removing the following in locations as earmarked to accommodate the proposed new layout. Disposal of dismantled material to a place permitted by the municipal authorities including making good any damages done to the structure complete. No dismantled material will be allowed to be accumulated at site the rates shall be for all leads & lifts. Neatly Stacking the serviceable material at a place permitted by the engineer-in-charge. I). Existing MS Gate and Guard room II). Entrance steps, ramp, planters, railing etc. including canopy complete III). Existing light fixtures in reception, auditorium, triple height atrium IV). Existing false ceiling wall panelling, cladding, flooring etc. complete including some aluminium windows, doors etc. complete in Reception, Auditorium and false Ceiling of triple height Atrium V). Existing ducting in reception & auditorium. VI). Existing aluminium composite panelling on façade. VII). Dismantling brickwork including aluminium windows in pantry & staff room. VIII). Existing boom barriers IX). Existing 2 nos. flap barriers X). Existing surface finish till bare slab on RCC Slab of L-Shaped porch at the main entrance. All dismantling to be complete as per drawings, approvals and instructions of the Engineer-in-charge.	EACH		1.00	1.00		0.00
	II		CIVIL WORK RECEPTION						
A RECEPTION									
25	2.1		Earth work in excavation in all kinds of soils by mechanical means / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sq m on plan) including dressing of sides and ramming of bottom including getting out the excavated soil and disposal of surplus excavated soils as directed.	CUBIC METER		25.00	25.00		0.00
26	2.2		Excavating trenches of required width for pipes cables etc. in all kinds of soil including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed. Pipes, cables etc. not exceeding 80mm dia	RUNNING METER		25.00	25.00		0.00
27	2.3		Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering.	CUBIC METER		20.00	20.00		0.00
28	2.4		Supplying and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete.	CUBIC METER	40.00	38.00	78.00		0.00
29	2.5		Providing and laying in position plain cement concrete of specified grade excluding the cost of centering and shuttering. All works upto plinth level : 1:2:4(1 cement ,2 coarse sand, 4 graded stone aggregate 20mm nominal size)	CUBIC METER		8.00	8.00		0.00
30	2.6		Providing and laying in position plain cement concrete of specified grade excluding the cost of centering and shuttering. All works upto plinth level : 1:4:8(1 cement ,4 coarse sand, 8 graded stone aggregate 40mm nominal size)	CUBIC METER		5.00	5.00		0.00
31	2.7		Providing & laying damp-proof course 40mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	SQUARE METER		5.00	5.00		0.00
32	2.8		Extra for providing and mixing water proofing material in cement concrete work @ 1 Kg per 50 Kg of cement.	PER BAG OF CEMENT		20.00	20.00		0.00
33	2.9		Applying a coat of residual petroleum bitumen of penetration 80 / 100 of approved quality using 1.7 Kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	SQUARE METER		5.00	5.00		0.00

Sl No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
34	2.10		Making plinth protection 50 mm thick of cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm bed by dry brick ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	SQUARE METER		12.00	12.00		0.00
35	2.11		Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a primer coat of approved steel primer all complete.	KILOGRAM		2,000.00	2,000.00		0.00
36	2.12		Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	KILOGRAM	3,950.00	3,000.00	6,950.00		0.00
37	2.13		Providing and laying in position specified grade of reinforced cement concrete , excluding the cost of centering, shuttering, finishing and reinforcement - All work 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size)	CUBIC METER	20.00	15.00	35.00		0.00
38	2.14		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	KILOGRAM	1,450.00	100.00	1,550.00		0.00
39	2.15		Providing and laying 0.8 mm thick GI deck sheet with stud welding @ 600 c/c.	SQUARE METER	65.00		65.00		0.00
B MASONRY WORK							0.00		
40	2.16		Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:3 (1 cement : 3 coarse sand) 6.12.1	SQUARE METER	400.00	20.00	420.00		0.00
41	2.17		Extra for providing and placing in position 2 nos 6mm dia MS bars at every third course in half brick / AAC blocks masonry work.	SQUARE METER	400.00	20.00	420.00		0.00
42	2.18		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in Cement mortar 1:4 (1 cement : 4 coarse sand)	CUBIC METER	30.00	360.00	390.00		0.00
C WALL FINISHING							0.00		
43	2.19		Providing and applying cement plaster . All complete as per approval and instructions of the Engineer-in-charge. 12mm cement plaster of mix 1 : 6 (1 cement : 6 coarse sand).	SQUARE METER	600.00	250.00	850.00		0.00
44	2.20		Providing and applying cement plaster . All complete as per approval and instructions of the Engineer-in-charge. 15mm thick cement plaster on the rough side of single or half brick wall of mix 1 : 6 (1 cement : 6 coarse sand).	SQUARE METER	1,200.00	180.00	1,380.00		0.00
45	2.21		18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1cement : 6 fine sand)	SQUARE METER		20.00	20.00		0.00
46	2.22		18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	SQUARE METER		10.00	10.00		0.00
47	2.23		Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish : With cement mortar 1:4 (1cement: 4 fine sand).	SQUARE METER	50.00	50.00	100.00		0.00
48	2.24		Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish : With cement mortar 1:4 (1cement: 4 coarse sand).	SQUARE METER		10.00	10.00		0.00
49	2.25		Providing and fixing in position approved galvanised chicken wire mesh 12mmx12mmx24 guage at junction of masonry and concrete surfaces or elsewhere as directed for use in interior and exterior plastering including cutting, wastage and overlaps, complete as per specifications and as directed by Engineer in charge	SQUARE METER	900.00		900.00		0.00
			Providing and laying Vitrified Tiles in different sizes (thickness to be specified by the manufacturer) using spacer of approved brand & manufacturer, in all colours and shade, in skirting / dado, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Rate to be inclusive of grouting of joints).						

SI No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
50	2.26		(a) Ref. Restile cat. Champagne (Basic rate Rs. 800/- Per SQM.)	SQUARE METER	265.00		265.00		0.00
			(b) TS-04: 18mm thick, Terrazzo Slab, Sienna Leather in 4th Floor, Common Toilets (Basic rate of stone Rs. 3550/- Per SQM)	SQUARE METER	70.00		70.00		0.00
			(c) Ref. Restile cat. Steel Grey (Basic rate Rs. 850/- Per SQM.)	SQUARE METER	140.00		140.00		0.00
51	2.27		Providing and laying Vitrified tiles in dado with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, including grouting of joints. Grouting the joints of wall tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge. Reffin cat Silver lucidato 1500 x 750mm of 9mm thickness on toilet walls. Basic rate Rs. 4330/- per sqm	SQUARE METER		110.00	110.00		0.00
52	2.28		Providing and laying Vitrified tiles in dado with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, including grouting of joints. Grouting the joints of wall tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge. Neolith cat. Starata argentam of 3600 x 1200mm of thickness 3mm thickness on reception walls. Basic rate Rs. 4482/- per sqm.	SQUARE METER		80.00	80.00		0.00
53	2.29		Providing and laying Ceramic tiles in dado, laid with cement based high polymer modified quick set tile adhesive (water based) in average 6 mm thickness, including grouting of joints (Rate to be inclusive of grouting of joints). Refer Nitco Cat. No. Captiva , Size : 600 x 600mm (Basic Rate : Rs. 700/- Per SQM.	SQUARE METER	160.00		160.00		0.00
54	2.30		Providing and fixing natural Marble / Agglomerate stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.						
			(a) TS-01 : 18mm thick Terrazzo Slab, Tevere in 4th Floor & 5th Floor, Executive Toilet (Basic rate of stone Rs.3770/- Per SQM)	SQUARE METER	40.00		40.00		0.00
			(b) QS-01 : 18 mm thick Quartz Slab , Crema Verona in 4th Floor & 5th Floor, Executive Toilet (Basic rate of stone Rs.4100/- Per Sq. Mtr.)	SQUARE METER	25.00		25.00		0.00
55	2.31		Providing & Applying Plaster of Paris putty over plastered surface, leveling and smooth finishing the surface including sand papering the old surface etc. All complete as per approval and instructions of the Engineer – in - charge. Proper line and level to be achieved by 6 mm thickness of Plaster of Paris Putty as per Item No 13.26 of DSR	SQUARE METER	1,500.00	100.00	1,600.00		0.00
56	2.32		Providing and applying two or more coats of plastic emulsion paint (roller finish) of approved make and shade as per the manufacturer's specifications to give a smooth surface on new surface. All complete as per approval and instructions of the Engineer – in - charge.	SQUARE METER	2,400.00	50.00	2,450.00		0.00
57	2.33		Providing and applying on external / internal surface with texture coating of desired finish top coated with high performance water-repellent, breathable, low absorbent acrylic-silicon coating resin based environmental-friendly water-based reactive type anti algae, anti-fungus, excellent abrasion resistance with tough 3-dimensional cross-linked siloxane-enhanced (Si-O-Si) molecular structure chemical cross-linking structure properties with application method of 1 coat of Selear(water base acrylic selear with excellent resistance to fungus growth and alkalinity) , 1 coat of Bellart/Taiyo, 2 coat of Compo Silicon. Texture application using compressor. External surface Basic rate of texture coating 1900/- per sq.mtr. Entire area of wall shall be measured in single front plane.	SQUARE METER		150.00	150.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
58	2.34		Providing and applying on external / internal surface with texture coating of desired finish top coated with high performance water-repellent, breathable, low absorbent acrylic-silicon coating resin based environmental-friendly water-based reactive type anti algae, anti-fungus, excellent abrasion resistance with tough 3-dimensional cross-linked siloxane-enhanced (Si-O-Si) molecular structure chemical cross-linking structure properties with application method of 1 coat of Selear(water base acrylic selear with excellent resistance to fungus growth and alkalinity) , 1 coat of Bellart/Taiyo, 2 coat of Compo Silicon. Texture application using compressor. Internal surface Basic rate of texture coating 2100/- per sq.mtr. Entire area of wall shall be measured in single front plane.	SQUARE METER		100.00	100.00		0.00
59	2.35		Providing & Applying Monocoat Oil Paint to render wood finish on cement boards. All complete as per approval and instructions of the Engineer-in-charge.	SQUARE METER	50.00		50.00		0.00
60	2.36		Providing and applying Silicon Paint environment-friendly two components acrylic-silicon coating with high performance in water-repellency, breathability. An anti Fungus and Anti-algae coating with anti-carbonation & salt resistance property. The product and application process shall be as per manufacturers specification. Method of application: 1 coat of primer plus 3 coat of Silicon.	SQUARE METER	100.00		100.00		0.00
61	2.37		Providing and applying water based PU Coating with compressor on cement boards.	SQUARE METER	30.00		30.00		0.00
62	2.38		Spirit Polishing the grooves in dark / charcoal colour. Groove size will vary between 6mm x6mm to 12mm x 12mm	RUNNING METER	700.00		700.00		0.00
63	2.39		Providing and applying two or more coats of Cement Paint of approved make and shade as per the manufacturer's specifications to give a smooth surface on new surface. All complete as per approval and instructions of the Engineer – in - charge.	SQUARE METER	200.00		200.00		0.00
64	2.40		Providing and applying Polyurethane Finish as per following specifications : Preparing the surface by Sanding with P150 -P180. Applying isolant base (Epoxy) ICA IS201+ C204 (100:100) Quantity to Apply60 -100gm/m2 per coat using Spray gun Nozzle size- 1.8 mm having Air Pressure- 36 to 43 psi. Applying 1st Coat of Clear Polyester Base Coat PF296E + A110 + U100 + 20% Acetone Mixing Ratio – 100: 2: 20 Quantity to Apply 150-200gm/m2 per coat Spray gun Nozzle size 1.8-2.2mm Air Pressure- 36 -43 psi Dry time 1-3HR Without intermediate sanding apply 2nd Coat of clear polyester Base Coat in the same ratio Quantity to apply 150 – 200gm/m2 Drying time 6-8 hours. Then sanding it with P320-P400 (allu- oxide no fill paper) .						
			(a) Apply the top coat of Clear Gloss . LP150 + C152AP + D1079 (100: 100: 100) Quantity to apply 140-160gm/m2 Spray gun Nozzle size – 1.8 mm Air Pressure-36-43 psi.	SQUARE METER	50.00		50.00		0.00
			(b) Apply the Clear Matt top coat. OP383 + C265+ D1015 (100: 50: 50) Quantity to apply 120-150gm/m2 Spray gun Nozzle size —1.8 mm Air Pressure 36-43psi	SQUARE METER	100.00		100.00		0.00
D FLOORING									
65	2.41		Supplying, providing and lightly ramming light weight foam concrete under floors as per requirement. All complete as per approval and instructions of the Engineer-in-charge.	CUBIC METER		15.00	15.00		0.00
66	2.42		Providing and laying between 25 to 50mm thick (av. 40mm) PCC of ratio 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 20mm nominal thickness) over slab / Foam concrete to make a uniform base for laying marble / granite / Tile flooring. All complete as per approval and instructions of the Engineer-in-charge.	CUBIC METER	75.00	150.00	225.00		0.00
67	2.43		Providing and laying Natural Marble Stone in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and diamond polishing etc. all complete as per the directions of the Engineer-in-charge.						
			a) Swiss white stone Basic rate : Rs.10,700/- Per SQM. No additional chemical coating is required.	SQUARE METER	10.00		10.00		0.00
			b) Black marble stone Basic rate :Rs.4,000/- Per SQM.	SQUARE METER	20.00		20.00		0.00
			c) Pearl Beige (Dark) Basic rate : Rs.3,800/- Per SQM.	SQUARE METER	150.00		150.00		0.00
			d) Pearl Beige (Light) Basic rate : Rs.3,800/- Per SQM.	SQUARE METER	150.00		150.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
68	2.44		Providing and laying flooring pattern using Natural Marble Stone in 5th Floor Lunch Room , Approx . 600mm x 600mm format as per following specifications: in required design and patterns, all complete as per the architectural drawings laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and filled with epoxy grout of matching shade including finishing rubbing, curing and diamond polishing etc.	SQUARE METER	120.00		120.00		0.00
			a) 14 mm th white marble with fluttingdesign with CNC machine. Cost for fluting to be paid for in the relevant item. Basic rate of white marble shall be Rs. 1800/- Per Sq.Mtr.						

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
			b) 12 mm th. Mesh mounted mosaic using various natural marbles. Basic rate of mesh mounted stone shall be Rs. 11300 /- Per Sq.Mtr.	SQUARE METER	35.00		35.00		0.00
			c) Extra for fluting design with CNC machine. Basic rate fluring shall be Rs. 1275 /- Per Sq.ft.	SQUARE METER	60.00		60.00		0.00
69	2.45		Providing and laying Skirting made of Natural Marble Stone in 5th Floor Lunch Room , as per following specifications: in required design and patterns, all complete as per the architectural drawings and filled with epoxy grout of matching shade including finishing rubbing, curing and polishing etc.						
			a) 25mm x 62mm. Basic rate of marble shall be Rs. 3500/- Per Sq.Mtr.	RUNNING METER	90.00		90.00		0.00
			b) 150 mm x 500mm. Basic rate of marble shall be Rs. 4500/- per Sq.Mtr.	RUNNING METER	10.00		10.00		0.00
70	2.46		Providing and laying Planter Edge / Parapet tops made of Natural Granite Stone on 5th Floor Terrace , as per following specifications: filled with epoxy grout of matching shade including finishing rubbing, curing and edge polishing etc.						
			a) Black Granite. Basic rate of black granite shall be Rs. 1200/- Per Sq.Mtr.	SQUARE METER	60.00		60.00		0.00
71	2.47		Providing and laying, mirror polished Natural stone / Italian marble (16mm minimum thickness) flooring as detailed in drawings & as per instructions of EIC, bedded over 20mm thk cement sand mortar of mix ratio 1:4 (1 cement : 4 coarse sand) including cleaning and preparing the surfaces for bedding by spreading neat slurry minimum cement about 4.4 kg / sq. m over cleaned surface of cement sand mortar bed, cleaning, curing. Laying of stone to be as per instruction and approved methodology of manufacturer all complete to the full satisfaction of EIC. Item includes filling the grooves / joints with tanex & end joints / edges with cement ploymer grout of approved quality. Italian Marble - Persia Grey Leather finish . All complete as per drawing, approval and instructions of the Engineer-in-charge. Basic rate of ItalianMarble-Persia Grey Leather finish Rs. 4035/- per sq.mtr.	SQUARE METER		220.00	220.00		0.00
72	2.48		Providing and laying, mirror polished Natural stone / Italian marble (min. 16mm thickness) in wall cladding as detailed in drawings and as per instructions of EIC, bedded over 12 mm thk cement sand mortar of mix ratio 1:4 (1cement : 4 coarse sand) including cleaning and preparing the surfaces for bedding by spreading neat slurry minimum cement about 3.3 kg / sq. m over cleaned surface and cement sand mortar bed, cleaning , curing, Laying of stone to be as per instruction and approved methodology of manufacturer all complete to the full satisfaction of EIC. Item includes filling the grooves / joints with tanex & end joints / edges with cement ploymer grout of approved quality. Basic rate of stone is Rs. 5000/- excluding taxes and transportation.	SQUARE METER		35.00	35.00		0.00
73	2.49		Extra for laser / CNC cutting on stone as per approved design	SQUARE METER		35.00	35.00		0.00
74	2.50		Providing and laying approved 15 - 17mm thk polished Natural Granite Tan Brown in skirting , treads and risers of steps in single length and on landings / floor as detailed in drawings and as per instructions of EIC, bedded over 12 mm thk cement sand mortar of mix ratio 1:4 (1cement : 4 coarse sand) including cleaning and preparing the surfaces for bedding by spreading neat slurry minimum cement about 3.3 kg / sq. m over cleaned surface, cleaning ,curing, laying of stone to be as per instruction and approved methodology of manufacturer all complete. Item includes filling the grooves / joints with pointing in white cement mixed with pigmnet of matching shade complete. Basic rate of Granite Tan Brown Rs. 2200/- Per Sqm	SQUARE METER		10.00	10.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
75	2.51		Providing and fixing 18mm thk pre textured machine cut Quartzite - Sarpajayanti Stone with two process finish-Sandblasted and aqua finish . stone in main entrance stairs laid over 20 mm thk base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding, the edge etc. complete at all levels. Item includes laying the stone in staircase on treads & Risers complete. Stone to be protected with two or more coats of Laticrete Maxisealer or approved equivalent. Basic rate of pre textured machine cut Quartzite - Sarpajayanti Stone Rs. 2045/- Per Sqm	SQUARE METER		120.00	120.00		0.00
76	2.52		Providing and fixing 15mm thk Italian stone - Premium grey polished finish in main stairs laid over 20 mm thk base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding, and polishing to edge to give high gloss finish etc. complete at all levels. Basic rate of 15mm thk Italian stone - Premium grey polished finish is Rs. 3770/- per sq.mtr.	SQUARE METER		30.00	30.00		0.00
77	2.53		Extra for prefinished nosing to treads of Marble / granite stone.	RUNNING METER		150.00	150.00		0.00
78	2.54		Providing and laying tile slabs in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints. Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge. Ref. Reffin cat. Arcedia of size 1500 x 750 & 9mm thickness (Dining room) Basic rate Rs Rs 4330/- per sqm	SQUARE METER		70.00	70.00		0.00
79	2.55		Providing and laying tile slabs in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints. Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge. Ref. cat. Reffin Silver Lucidato of size 1500 x 750 & 9mm thickness (Toilets) Basic Rate Rs 4330/- per sqm	SQUARE METER		30.00	30.00		0.00
80	2.56		Grinding and polishing the existing old stone flooring, staircase etc. to a high gloss tin oxide polish with seven grade, Each Tin oxide grinding stones of varying grade ranging from 0 to 5 Nos. and finally polishing and buffing with Oxide golex stone no.6 including necessary cleaning of floors with detergent etc. All as per approval and instructions of the Engineer-in-charge.	SQUARE METER		100.00	100.00		0.00
81	2.57		Providing & Fixing of Forbo Flotex Flocked floor covering in rolls in floor as per following specifications: Products should be installed with suitable adhesive as recommended by manufacture. Carpet shall be High Definition Print shade series having a density of 70 million fibres of nylon 6.6 per M2 , Fire Test EN-13501, Appearance Retention Hexapod ISO 140-8, Friction Slip Resistance Test EN 14041 Class DS, sanitized anti-microbial treatment with resilient waterproof backing ,anti allergic certified by British allergy foundation, anti static, thickness 4.3 mm and approximate weight of 1.8 k.g./sqm of roll form.Total Thickness as per ISO 1765 : 4.3 mm Roll width : 2.0 M Roll length : 30 M Dimensional stability as per ISO 2551 : <0.2% Slip Resistance as per DIN 51097 : >0.7 Dry and Wet Total weight as per ISO 8543 : 1.8 kg/M2 Light fastness as per EN ISO 105 B02 : 6 Commercial heavy as per EN 685 : Class 33 Reaction to fire as per EN 13501-1 : Bfl-s1. All complete as per drawing, approval and instructions of the Engineer-in-Charge. Basic rate of carpet Rs. 3335/- Per Sqm	SQUARE METER		190.00	190.00		0.00

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82	2.58		Providing & Fixing in position stepped floor as per following specifications: Frame Work : Frame work in steps as per design & level made out of 50x25mm 14 gauge MShollow section tubes duly welded together at 450- 600mm intervals as required on either sides with height difference as per levels, duly primered, painted & grouted in the floor neatly with cement concrete / anchor fastners. The outer surface should be in plumb and level to receive ply finish. Ply shall be paid for in the relevant item.	KILOGRAM		1,500.00	1,500.00		0.00
83	2.59		Providing and fixing first layer of 40mm thick fibre cement board on existing MS framework.	SQUARE METER		300.00	300.00		0.00
84	2.60		Providing and fixing second layer of 25mm thick BWR ply glued and screwed on horizontal & vertical surfaces on first layer as mentioned in above item to ultimately receive the final finish. Carpet shall be paid for in the relevant item.	SQUARE METER		360.00	360.00		0.00
85	2.61		Providing and fixing canadian wood - Western Hemlok moulding as per design intent in skirting, step risers etc. or as instructed elsewhere of approx finished size 150mm x 12mm. Woodwork protected with two coats of sealer and two coats of melamine polish. All complete as per specifications, design intent and instructions of the Architect.	RUNNING METER		400.00	400.00		0.00
86	2.62		Providing and fixing Fibre-reinforced concrete panels of 20mm thickness. Approx.size of panel shall be 2600 x 900 mm using chemical mortar.Concrete LCDA make cat. No. Penbeton Shui. Basic Rate of material will be Rs. 1,38,000/- per panel.	SQUARE METER		20.00	20.00		0.00
87	2.63		Providing and laying Agglomerate stone / Quartz Stone / Terrazzo stone slab flooring in required design and patterns using 3mm spacers, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with epoxy grout of matching shade including rubbing, curing and diamond polishing etc.						
			a) QS-01 : 18 mm thick Quartz Slab , Crema Verona in 4th Floor & 5th Floor, Executive Toilet (Basic rate of stone Rs.4100/- Per Sq. Mtr.)	SQUARE METER	110.00		110.00		0.00
			b) TS-01 : 18mm thick Terrazzo Slab, Tevere in 4th Floor & 5th Floor, Executive Toilet (Basic rate of stone Rs.3770/- Per SQM)	SQUARE METER	20.00		20.00		0.00
			c) TS-02: Terrazzo Slab , Treia in 5th Floor, Common Toilet (Basic rate of stone Rs.3770/- Per SQM)	SQUARE METER	20.00		20.00		0.00
			d) TS-03: Terrazzo Slab Forum in 5th Floor, Lunch Room Toilets (Basic rate of stone Rs. 3230/- Per SQM.-)	SQUARE METER	20.00		20.00		0.00
88	2.64		Providing and laying Vitrified Tiles in floor with different sizes (thickness to be specified by the manufacturer) using 4mm thick spacer of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints						
			a) TL-01: Ref. Restile cat. Champagne in 4th & 5th Floor Common Toilets (Basic rate Rs. 800/- Per SQM.)	SQUARE METER	55.00		55.00		0.00
			b) TL- 02: Ref. Restile cat. Steel Grey in 5th Floor, Lunch Room Toilet. (Basic rate 850/- Per SQM.)...	SQUARE METER	20.00		20.00		0.00
			c) TL - 03: Ref. Restile cat. Luna in 4th & 5th Floor Pantries (Basic rate 750/- Per SQM.)...	SQUARE METER	30.00		30.00		0.00
89	2.65		Providing and laying at site Mikasa or approved equivalent 540mm x 90mm x 15mm thick Engineered Wood Floor with click lock system; top layer of 3mm thick stained oak hard wood or as approved with bevelled edges and surface with 7 coats of uv lacquer. The décor planks have to be click secured together on a mineral based subfloor such as PCC or any other suitable existing floor without any major undulations and free from any structural dampness. The installation at site has to be done by company trained and approved installers. The floating engineered wood floor is to be secured with the help of wall base -skirting boards / beadings to match the approved décor of the floor. All other profiles such as dilation / transition etc., will have to be secured to the floating floor as per installation procedure of the manufacturer and in accordance to the approval of the specifier.						
			a) The engineered wood planks have to be placed in linear direction. Refer Mikasa cat. Oak Sea Mist. Basic Rate : Rs. 458/- Per Sq. Ft.	SQUARE METER	220.00		220.00		0.00
			b) The engineered wood planks have to be placed at 90 degrees to form herring bone pattern as shown in the drawing.	SQUARE METER	150.00		150.00		0.00
			c) Mikasa R/M Skirting Wood 2080 KPL (Size : 2400 x 80 x 20mm)	RUNNING METER	250.00		250.00		0.00
			d) Mikasa End Profile E38 -15 (Size : 2400 x 38 x 15mm)	RUNNING METER	50.00		50.00		0.00
			e) Mikasa Beading Q20 (Size : 2400 x 17 x 17mm)	RUNNING METER	20.00		20.00		0.00
			f) SS Reducer 286 Profile, Kuberit, Germany	RUNNING METER	15.00		15.00		0.00

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90	2.66		Providing and laying at site finished Pergo Laminated flooring of approved colour,shade and finish of 8 mm thick – class of use 33/23, wear resistance ac –5, impact resistance – ic 3, (as per en 13329), top surface having a mlc (multi layer composite) high pressure laminate, top surface treated with (aluminium oxide) surface guard on top of high density fibreboard substrate (density 910 kg/m3) specially developed core; of plank size 1194 mm x 194 mm having smart lock tongue and groove joints to secure long lasting joint. The edge of tongue and groove of planks duly impregnated with paraffin. The approved décor planks to be placed on underly - 0.2 mm thick alkali resistant polyethylene sheet (pergo polyethylene sheet- density 935 kg/m3) to resist any moisture movement from the sub floor and secure floating floor installation. Pergo original conforms to en 13329, astm c 1028, din 52185, din 54345, en 717-2, din 4102.	SQUARE METER	150.00		150.00		0.00
			a) Beading ,65 mm x 16 mm x 16 mm	RUNNING METER	30.00		30.00		0.00
			b) Wallbase straight, 310 mm x 16 mm x 57 mm	RUNNING METER	20.00		20.00		0.00
91	2.67		Providing and fixing 8 mm wide and 4 mm thick brass strips in joints of stone flooring	RUNNING METER	150.00		150.00		0.00
92	2.68		Providing and fixing White Oak wood skirting of size 50mm x 12mm. Woodwork protected with two coats of sealer and two coats of melamine polish. All complete as per specifications, design intent and instructions of the Engineer-in-charge.	RUNNING METER	650.00		650.00		0.00
93	2.69		Providing and Fixing Stainless Steel Skirting (PS-01) as per following specifications: 50 mm high, 1.5 mm thick stainless steel, PVD Coated in grey colour , pasted/fixed over 6 mm thick BWP ply with 3M Sealant and customised corners to avoid edge visibility on corners.	RUNNING METER	185.00		185.00		0.00
94	2.70		Providing and placing in position Foot Mats cut to size and as per following specification: 3M Nomad Terra 9100 Z web Heavy Duty matt 11.4 mmthick and weight of 8.5 Kg/M2 made of durable, flexible open mesh structure of vinyl ribs, featuring a continuous Z-patterned surface. The matting should also pass flammability test as per ASTM D 2859 along with flooring radiant panel test as per ASTM- E-648 having NFPA Class 1 classification 0.45 watts/cm² . 3M Nomad Aqua Carpet Matt 9 mm thick and weight of 4.1 Kg/M2 ,a looped-pile, carpet-type entryway matting .Matt with unique tufted construction with random pattern design.Matting should pass flammability test as per ASTM D 2859 along with flooring radiant panel test as per ASTM- E-648 having NFPA Class 1 classification at 0.45 watts/cm² .	SQUARE METER		10.00	10.00		0.00
95	2.71		Providing and laying Artificial Turf Ref. Field turf Scape (FIS / EGE) specially produced multipurpose landscape grass with following specifications: Height - 1.5", Fiber weight - 18 ounces, dimensions - 15' x 125', colour - green, Primary backing - single, secondary backing - high quality Latex. Laying 6mm thick HDPE mesh on sub base. Laying turf, jointing as per manufacturers technical specifications & methodology, fibrillation & brushing with machine & spreading Silica sand @ 1.5 Kg. / Sq.ft. along with rubber granules @ 400 Gms per Sq. Ft. all over.	SQUARE METER		10.00	10.00		0.00
96	2.72		Providing and fixing anti skid brass strips on treads of approved section and specified distance. All complete as per instructions of the Engineer-in- charge.	KILOGRAM		300.00	300.00		0.00
E PEST CONTROL									
97	2.73		Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	LITRE	150.00		150.00		0.00
Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment									
98	2.74		a) Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	METER	450.00		450.00		0.00

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			b) Treatment at points of contact of wood work by chemical emulsion Chlorpyrifos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	METER	65.00		65.00		0.00
99	2.75		Providing, diluting as per specifications and injecting chemical emulsion for pre-constructional anti-termite treatment . Creating a chemical barrier under wall trenches, top surface of plinth filling, under raft & concrete foundation, junction of wall and floor along the external perimeter of building, expansion joints, surroundings of pipes and conduits etc., complete. The rates to be based on detailed specifications. (Plinth area of building at ground floor shall be measured). CHLOROPYRIPHOS 20 EC emulsifiable concentrates 1%.	SQUARE METER		150.00	150.00		0.00
F MISC									
100	2.76		Hand rail of solid flat stainless steel 60 x 8 mm with upper edges (along length) chamfered . Hand rail anchored to floor at start ,at end and landing levels(using M10 Dash fastners) .Hand rail fixed to glass with stainless steel brackets cum handrail supports of approved design spacing as shown in drawing.Stainless steel brackets cum handrail supports shall have single stud and double studs at start/end and at intermediate locations respectively. Top side of Hand rail finished in gloss and other fittings in matte. Laminated glass with 2 layers of 8mm Clear Toughened Glass with machine transparent grinding , sandwitching a layer of 1.52 clear poly vinyl Butyle .Glass cut to shape to suit staircase profile and provided with holes to receive stainless steel fittings. Solid stainless steel spacers to create gap between Glass and the edge of the staircase.Spacers in pairs, 50 mm dia, with provision to fix to R.C.C. with M 10 dashfastners. Note: Rate deemed to include cost towards all ply form work for glass size and shape. Hand rail in plan shall be measured.	RUNNING METER	20.00		20.00		0.00
101	2.77		Providing and fixing double Scaffolding System (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challes, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	SQUARE METER	50.00	4,000.00	4050.00		0.00
102	2.78		Aluminium Composite Work: Providing & Fixing of 4mm thick Aluminum Composite Panel (Exterior grade) cladding with Aluminum skin thickness of 0.5 mm on both side having 30 micron PVDF coating in front side and Polyester coating on back, of Aludecor or approved equivalent with the 25 x 50 mm Aluminium extruded Rectangular tube frame work as per drawing enclosed to the structure to the correct alignment on façade, to the required sizes as per approved drawing & design duly mounted on GI cleat including Labour charges, cutting, fabricating, provision for drainage system bending, necessary screws, small fixtures which will be attached to the fabricated panels and anchor fasteners wherever necessary and filling black silicon etc. complete in all respect as per approval of Engineer-in-charge.	SQUARE METER	200.00	70.00	270.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
103	2.79		Providing and fixing Fishing net to control bird entry using 12 gauge aluminium frame duly powder coated in Champagne colour of approximate size 25mm x 59mm. Synthetic transparent fishing Net to be properly stretched on aluminium frame and to be secured tight using aluminium powder coated beading. All complete as per approval and instructions of the engineer in charge.	SQUARE METER	100.00		100.00		0.00
104	2.80		Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : In 75x75mm deep chase	METER		15.00	15.00		0.00
105	2.81		Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1m x1m x400 micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edge sand making and finishing the outlet complete.	EACH		2.00	2.00		0.00
106	2.82		Providing and fixing 24 gauge and 18 mm mesh size chicken wire mesh at junction of concrete and brickwork and other locations at all heights including cutting to required size and side laps of minimum 75 mm and fixing in position with cement and nails as directed.	SQUARE METER		25.00	25.00		0.00
107	2.83		Grading roof for water proofing treatment on roof top with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	CUBIC METER		5.00	5.00		0.00
108	2.84		Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	RUNNING METER		50.00	50.00		0.00
G LANDSCAPE WORKS									
109	2.85		Supply & intallation of pot based vertical garden as follows: Base made of frame having interlocking provision assembled by joining frames to the required size. Base suitably fixed to the existing water proofed wall surface / structural steel framework. The size of each frame measuring 6' width and 18" length. The pots to be arranged in a cluster of three pots arranged vertically in plastic frame. Frames to be connected with each other to cover the required area. Aluminium Channel (size 2"x1") Framework for the Installation of Green wall, including cutting, hoisting, fixing in position. Item includes hoisting the frame to existing wall / beam / column / etc. using ms bracket and hilti fastners as per site requirement.	SQUARE METER		35.00	35.00		0.00
110	2.86		Ploughing or trenching of existing ground to a depth of 15-25cm and watering the same of all kind of soil. Supplying and stacking of good earth at site including royalty & carriage (earth measured in stack will be reduced by 20% for payment) Total top soil in plantation areas upto the depth of 20 cms. Ground Cover Plants: The rate includes for transportation to site, excavation of beds upto 0.3m depth. Filling with prepared manure soil in the ratio 1:2 (one part of sludge to two parts of good earth by volume). Flooding with water, dressing including removal or rubbish& surplus earth if any with all leads & lifts, planting& stacking in full & final location including all locations specified, supply & spraying of insecticides as required	SQUARE METER		45.00	45.00		0.00
111	2.87		Self watering planters for railing. Supply of fibreglass reinforced polymer based flower pots (size 8"x8"x3') equipped with self watering mechanism which includes double walled structure with a water level gauge (mechanical & Analog) without media & permeable membrane	RUNNING METER		15.00	15.00		0.00
112	2.88		Plants for Self watering planters. Supply of plants for self watering plants suitable for indoor conditions (such as senseveria) upto a ht of 1'-6". Supplying of coco peat and fertilizer for the self watering planters	NUMBER		70.00	70.00		0.00

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113	2.89		Plantation work for Metal Columns Three rate includesfor transportation to site. Filling pits around the columns with prepared manure soil in the ratio 1:2 (one sludge :two good earth by volume), flooding with water, dressing including earth if any with all leads & lifts,planting of climbers and trailing plants & stacking in full & final locations, supply & spraying of insecticides as required .	NUMBER		14.00	14.00		0.00
114	2.90		Supply & installation of water fountain having SS scuplture, pump, underwater lights, water jets etc. complete in all respects.	NUMBER		1.00	1.00		0.00
H WATER PROOFING & EXPANSION JOINT TREATMENT									
115	2.91		Providing and laying waterproofcoating in Toilet & Pantry ANGLE FILLET: All the junctions of floor and vertical sides in sunken portion shall be provided with cement-sand screed based angle fillet of 75 mm X 75 mm including reinforcing the coating with application of base coat of Dr. Fixit Fastflex & sticking 40gsm glass fibre-mesh & applying second coats of Dr. Fixit Fastflex on angle fillets. The screed shall be admixed with Dr. Fixit Pidicrte URP a latex based additive) dosge -1 litre / 50 kg cement bag), that will provide strength and water resistance to water leakage Providing and Applying 2 mm Thick , @ 2.5 kg per Sqm of Coverage, TWO COMPONENT Heavy duty ACRYLIC MODIFIED / POLYMER MODIFIED CEMENTITIOUS flexible waterproof coating, Dr. Fixit Fastflex , which has got 120% elongation as per ASTM D 412,Crack Bridging upto 2mm as per ASTM C 836,Water penetration(5 bar pressure) 1% as per BS EN 12390,Tensile strength of 5N as per ASTM D 412,Reduction of Rapid Chloride Permeability 92% as per ASTM C1202-97 in two coats at 1:1.4(Liquid: Powder) mix ratio and at specific intervals once after base preparation of cleaning, brushing and removal of flacky materials, grouting the porous area with cementitious grout, bore packing, proper coving between slab and wall junctions,(fixing of weep holes -optional), extending up to top of the wall ,etc., complete as per Manufacturer's methodology and specification. Providing and applying polymeric waterproof plastering with CM 1:4 of thickness 15mm for floor and walls admixed with integral liquid waterproofing compound composed of surface active plasticising agents, Dr. Fixit Pidiproof LW+ , @ 0.2litre/bag of cement as per manufacturer's specifications and consultants approval, including curing etc. complete. Bore Packing -> All the pipes to placed / inserted in the core cut areas, shall be wrapped arround by the Dr Fixit Bathseal Tape, a twin sided adhesive tape and placed appropriately to be grouted around the cut bores. Grouting the gaps between the pipe and the core cutting by an cementitious grout Dr Fixit Pidigrout 10M that shall be poured into the gaps after fixing in place an effective leak-free shuttering. All complete as per manufacturers specifications and approval of the engineer-in-charge.	SQUARE METER	120.00		120.00		0.00
116	2.92		Providing & Fixing of Expansion joint Covers for Interior Metal Series, Model – FSL-77 / 35Floor to Floor Flat Model , for 50 mm Expansion Joints Aluminum Covers Profiles, having a Hard Wearing, Maintenance Free, long Lasting design. The surface of the Exp. Joint Covers should have Serrated Surface for Skid Resistance and should be ADA Compliant. The design of the Exp. Joint Cover System should be such that it should avoid any accumulation of dirt. The Exp. Joint Cover should have an Articulated Telescope Design so as to accommodate the movements in 3 directions. The total Horizontal Movement should 22.5 mm (-7.5 / +15 mm). It should also accommodate a Vertical Movement of 10 mm. The system should be in 6063 alloy in Mill finish and the total exposed surface of the profile should not be more than 77 mm (+/-5 mm) & the installation Height can be of 20/35/50 mm. The system can take load of 1.2 KN with MTC and Finit element test certificates. The side profile should have a MULTI HOLE mounting bracket allowing for secure fixing and Flexible anchoring and excellent bonding with given slab surface/masonry/epoxy bedding. For Precise Transitions the factory supplied slid-in connection pins should be used during the installation of the cover system	RUNNING METER	120.00		120.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
			MAKES : MIGUA, WORLDWIDE ASP, EMSEAL						
117	2.93		Supply and installation of All metal model for 50 to 75mm Gap joints in accordance with the requirements of the specifications below. The joint covers are designs utilizing extruded aluminium base members of 100mm long along with the Snap in Tension Clip System. The material shall be such that it provides an Expansion Joints System suitable for Vertical Wall to Wall/Corner & Horizontal Ceiling to Ceiling/Corner application. The Joint System shall utilize lightweight aluminium profiles exhibiting minimal exposed aluminium surfaces of 100mm mechanically locking with a specifically designed clip made up of stainless steel to facilitate movement. Throughout the normal movement cycle, the system shall demonstrate the ability to remain flat at all times and provide a flush transition between opposing and adjacent finish construction. MAKES : MIGUA, WORLDWIDE ASP, EMSEAL	RUNNING METER	200.00		200.00		0.00
118	2.94		Providing & Fixing of the Expansion joint Covers for Interior Metal Series, Model – WJC 100 WALL to WALL /CEILING to CEILING Model, for 50 to 100 mm Expansion Joints Aluminum Covers Profile. The design of the Joint Cover System should be such that the system should snap onto a 50mm wide, hook shaped aluminum clip. The system should have gasket seals on the edges to provide scratch protection to the wall finish and prevent accumulation of dust. The system should be in 6063 alloy in clear anodized matt finish and the total exposed surface of the profile should not be more than 222mm visible width. MAKES : MIGUA, WORLDWIDE ASP, EMSEAL	RUNNING METER	70.00		70.00		0.00
H Steel work									
119	2.95		Entrance Canopy M.S. structure: Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel priming coat of approved steel primer all complete.	KILOGRAM		51,630.00	51,630.00		0.00
120	2.96		Canopy Roofing : Supply and fixing of ZINC Titanium Roofing 25/430 STANDING SEAM ROOFING SYSTEM IN 0.7 mm THICK Zinc Titanium Alloy comprising of the following layers. Approved Zinc Titanium Sheets make : Ieqsa/VMZINC/Cinkarna Top layer – Zinc titanium standing seam profiled panels 25 /430 (25 mm seam height & 430 mm panel width) manufactured from zinc titanium alloy finish in 0.7 mm minimum thickness .The material properties shall be as follows:Ultimate tensile strength: minimum 150 N/mm2,0.2% Proof Stress: min 100 N/mm2, Modulus of elasticity: 90,000 N/mm2 Panels shall be fixed to the substructure using Stainless Steel clips fixing & sliding clips of suitable height with spacing as required for the wind loads. The roofing sheets shall be as per EN 988 standards .The zinc manufacturer & Installation agency shall have all the required machines / tools & design assistance to Execute the Project & shall have completed Projects of zinc titanium cladding in India ." The panels shall have natural preweathered light gray zinc patina finish or as approved by architect. The zinc roof sheets shall have a protection on its underside consisting of a 60 micron thick composite acrylate-urethane protective coating. Second Layer - Anti Abrasive membrane to be laid underneath the roofing sheets.	SQUARE METER		150.00	150.00		0.00

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121	2.97		ZINC TITANIUM WALL SOLID CLADDING Top Layer: ZINC titanium adeka cladding tiles system (thickness: 0.65mm or better) of 400 mm X 400 mm pre-formed lozenge shaped elements with unique locking key arrangement in Pigmento Red Aspect . The pigment finish to be achieved using mineral pigments on the surface of zinc fixed with 20 micron of polyurethane resin . The tiles shall have Polystyrene backer board: The tiles to be fixed using SS screws to the continuous Decking GI Sheet The roofing sheets shall be as per EN 988 standards .The zinc manufacturer & Installation agency shall have all the required machines / tools & design assistance to Execute the Project & shall have completed Projects of zinc titanium cladding in India . Second Layer : Liner Sheet: Profiled sheet 1110 mm effective cover width profile with nominal 3.5 mm deep ribs at pitch of nominal 48 mm centre to centre distance. The feed material is manufactured out of bare Galvalume sheet of nominal 0.45 mm base metal thickness (BMT), high tensile steel with min 550 Mpa yield strength Third Layer : 25 mm X 50 mm Aluminium Box section tp be fixed over plastered wall/Main Substructure Accessories: The screws/ Rivets of adequate size will be used so hold the tiles and for fixing the Rib Sheet . Approved Zinc Titanium Sheets make : leqsa/VMZINC/Cinkarna	SQUARE METER		1,400.00	1,400.00		0.00
122	2.98		Supply & fixing of 0.7 mm zinc flashing in the same finish as the cladding finish for top, bottom, sill, jamb, drip,etc as required for site detailing	RUNNING METER		650.00	650.00		0.00
123	2.99		PERFORATED ZINC TITANIUM CLADDING Supply, & Installation of ZINC Titanium Interlocking wall cladding panels in preweathered Quartz Finish.The wall cladding system shall comprise of the following described VMZINC 1 mm interlocking panels of 300 mm width and max 2000 mm length.Exact length shall be decided after on site dimensions / GFC Drawings . Panels are formed with interlocking lap at panel edges and smooth, flat pan; designed to be field assembled in sequential installation by engaging edges of each panel to edge of adjacent panel. Panels are attached to supports/substrates using stainless screws located under edges of the panels The Panels Shall be Installed over the AL box Section of 25 mm X 50 mm using Screws/ Rivets of suitable size as recommended by manufacturer . The roofing sheets shall be as per EN 988 standards .The zinc manufacturer & Installation agency shall have all the required machines / tools & design assistance to Execute the Project & shall have completed Projects of zinc titanium cladding in India . Approved Zinc Titanium Sheets make : leqsa/VMZINC/Cinkarna Perforation : Custom CNC punching as per approved drawings . Circular perforation of varying diameters shall be done as per approved drawings to meet the façade intent . Physical characteristics of pre-weathered zinc sheets: (I) Density: 7.2kg/dm ³ (II) Thermal expansion coefficient: 0.022 mm/m x °C (III) Melting point: 420 °C (IV) Re-crystallization point: 300 °c (V) Heat conductivity: 110 W/ (m.K) (VI) Electrical conductivity: 17Ms/m	SQUARE METER		690.00	690.00		0.00
124	2.100		Supply & fixing of 0.7 mm zinc flashing in the same finish as the cladding finish for top, bootm, sill, jamb, drip,etc as required for site detailing	RUNNING METER		990.00	990.00		0.00
125	2.101		MS STRUCTURE FOR PERFORATED FACADE : Supply, fabrication and installation of MS frames works of MS RHS / angle of 50mmx100mmx 4 mm thk in vertical & horizontal forms at every 1000 for supporting the zinc cladding fixed with brackets to RCC structure behind made of MS plates in sizes as per approved shop drawings coated with red oxide and 1 coat of epoxy protective exterior coating as per IS Standards and specifications.	KILOGRAM		500.00	500.00		0.00
126	2.102		Providing and fixing Stainless steel sections to existing balustrades suitable for placing planters.	KILOGRAM		50.00	50.00		0.00

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127	2.103		Providing and fixing aluminium 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. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, providing & fixing glazing with EPDM rubber / neoprene gasket etc. with float glass panes of 8mm thickness and necessary hardwares hinges, handles etc. All complete as per architectural drawings and the directions of Engineer-in-charge.	SQUARE METER		25.00	25.00		0.00
128	2.104		Providing and fixing stainless steel (Grade 304) main gate made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with suitable arrangement SS wheels with self lubricating pin, Teflan fluid rollers as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as rollers etc.).	KILOGRAM		200.00	200.00		0.00
129	2.105		Supply installation & commisioning of automatic sliding system for Stainless steel gate ref. CAME cat no. CAME BK-800 or approved equivalent including safety sensor, galvanized toothed rack, flashing light, wireless remote with transmitter and receiver.	EACH		1.00	1.00		0.00
130	2.106		Supply, installation & commisioning of set of 5 high security DOS K4 tested & certified pneumatic bollards (Urbaco cat. BPCLPF 90) complete with U200 control pneumatic compressor, bi-channel loop detector, set of inductive loops, remote and receiver complete in all respects.	EACH		1.00	1.00		0.00
131	2.107		Supply and installation of Single Lane Flap Barrier - Framework: 316 Grade Stainless Steel, Thickness Of ply: 1.5, Material of swing gates: 304 Grade Stainless, Power Voltage: AC220V/AC85-260V" (Ref. Came Model CPW-331TA or approved equivalent). All complete including wiring and amalgamation with existing system.	PER LANE		2.00	2.00		0.00
132	2.108		Supply & installation of customised building facade work in custom PVDF finish (2 coat of PVDF - aama2605 grade) aluminium sections with all necessary fixing hardware fixed with existing wall maintaining look of columns already cast in concrete.	SQUARE METER		180.00	180.00		0.00

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	III		SANITARY FIXTURES & FITTINGS						
			I FOR CMD TOILET						
133	3.1		Providing & fixing vitreous china Wall-hung European type water closet (Black Colour) with bolts, nuts, CI Chair or other hanging arrangement with concealed Flushing Cistern with internal fittings, white solid plastic sheet and cover with lid, CP brass hinged rubber buffers with accessories, CI/ MS brackets painted with two coat of primer, CP brass screws and wooden cleats including cutting and making good the wall and floors wherever required. EWC Make: Kohler model no. Presquile -18133IN-S-7 Concealed flushing cistern with kit Kohlar model- 77027IN-P-NA Kohler Face plate lynk French Gold- 75890IN-P-AF Kohler Rack bolt (With Ced Plated Stud)- 12mm 1213309-0 Kohler Connector accessory pack- 1046327-S	EACH	1.00		1.00		0.00
134	3.2		Providing & fixing white vitreous china wash basin (Black Colour) for Over counter mounting, painted white, 32mm AF .waste, 32mm dia cast brass bottle trap/P trap and connection pipe to wall with AF . wall flange and rubber adopter for waste connection, complete including cutting and making good the walls, wherever required. Make:- Kohler- Veil Vessel - 77171IN-7	EACH	1.00		1.00		0.00
135	3.3		Providing & fixing Mixer for wash basin complete including cutting and making good the walls where required in French Gold (Make :- Kohler-Composed Tall Basin Mixer - 73159T-7-AF Bottle Trap- Kohler - 7314IN-AF Grid Drain- Kohler - 45432IN-AF	EACH	1.00		1.00		0.00
136	3.4		Providing and fixing 15mm C.P overhead shower with Diverter with thermo static mixer, shower arm & spout with wall flange including cutting and making good the walls, wherever required complete in all respects. (Make: Jaquar, Model: Kubix- Overhead Shower 100mm dia, Shower Arm MODEL-OHS-1709, SHA-483 & Diverter -kubix - 35671) Make: Kohler Rain 10" Shower in French Gold- 18361T-CL-AF Kohler Shower Arm- 16347IN-AF Kohler Diverter- Composed- 73100T-4-AF Kohler Concealed Valve- 882IN-AF	EACH	1.00		1.00		0.00
137	3.5		Providing, fixing, testing and commissioning of health faucet, C.P. Brass angle valve & flexible pipe, wall flange complete as required complete in all respect. Health faucet in French Gold. Make:- Kohler- 12927IN-AF	EACH	1.00		1.00		0.00
138	3.6		Providing & fixing 15mm C.P.brass angle valve with C.P copper connecting pipe 375mm long and nuts, washer with C.P. brass wall flange complete, including cutting and making good the walls, wherever required. (Make :- Kohler , model No. 16086IN-4-AF)	EACH	6.00		6.00		0.00
139	3.7		Providing & fixing towel Rail 600mm long fixed to wooden cleats with C.P. brass screws including cutting and making good the walls wherever required. Make :- Kohler model no- 11582-AF	EACH	1.00		1.00		0.00
140	3.8		Providing & fixing of toilet paper holder complete, including cutting and making good the walls wherever required. Make :- Kohler model no- 11584-AF	EACH	1.00		1.00		0.00
141	3.9		Providing & fixing Soap Dispenser , fixed to wooden cleats with C.P brass screws, complete including cutting and making good the walls wherever required. (Make :- Kohler- Model No.- 10712D-CP)	EACH	1.00		1.00		0.00
142	3.10		Providing & fixing Double Coat Hook fixed to wooden cleats with C.P. brass screws. Make :- Kohler ROBE HOOK model no- 11585-AF	EACH	1.00		1.00		0.00
143	3.11		Providing, fixing, testing and commissioning S.S. braided pipe of 15 mm dia and 450 mm long including nuts and washers and making connection to fixtures and fittings complete in all respect. (Make:- Jaquar/Hindware)	EACH	11.00		11.00		0.00
144	3.12		Providing and fixing soap dish of approved make. Including providing & fixing screws, washers, cutting & making good the walls. (Make :- Kohler- 10712IN-AF)	EACH	1.00		1.00		0.00

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145	3.13		Providing & fixing hand towel holder 24 inch Including providing & fixing necessary fittings, cutting and making good the walls. Make :- Kohler model no. 14441-AF	EACH	1.00		1.00		0.00
146	3.14		Providing & fixing Floor Drain Including providing & fixing necessary fittings, cutting and making good the walls. Make :- Kohler model no. 7275IN-AF	EACH	1.00		1.00		0.00

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II FOR DIRECTOR & CVO TOILET AT 4TH FLOOR									
147	3.15		Providing & fixing vitreous china Wall-hung European type water closet with CP bolts, nuts, CI Chair or other hanging arrangement with concealed Flushing Cistern with internal fittings, white solid plastic sheet and cover with lid, CP brass hinged rubber buffers with accessories, CI/ MS brackets painted with two coat of primer, CP brass screws and wooden cleats including cutting and making good the wall and floors wherever required. EWC Make: Kohler model no. 77142IN-S-HT1 Kohler Concealed flushing cistern with kit Kohlar model 77027IN-P-NA Kohler LynkFace plate- 75890IN-P-RGD Kohle Rack bolt (WithCed Plated Stud 12 mm) - 1213309-0 Kohler Connector accessory pack 1046327-5	EACH	5.00		5.00		0.00
148	3.16		Providing & fixing white vitreous china wash basin for Over counter mounting, painted white, 32mm C.P.waste, 32mm dia cast brass bottle trap/P trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection, complete including cutting and making good the walls, wherever required. Make:- Kohler- FOREFRONT RECT W/O DECK PEACOCK GREEN--model no- 5373IN-HP1	EACH	5.00		5.00		0.00
149	3.17		Providing & fixing Mixer for wash basin complete including cutting and making good the walls where required. (Make :- Kohler-COMPOSED TALL BODY 73159T-7-RGD GRID DRAIN- 45432IN-RGD BOTTLE TRAP,300MM model no- 7314IN-RGD	EACH	5.00		5.00		0.00
150	3.18		Providing and fixing 15mm C.P overhead shower with Diverter with thermo static mixer, shower arm & spout with wall flange including cutting and making good the walls, wherever required complete in all respects. (Make: KOHLER Shower- 18361T-CL-RGD Shower Arm- 16347IN-RGD Diverter- Composed- 73100IN-4-RGD Valve- 882IN-RGD	EACH	1.00		1.00		0.00
151	3.19		Providing, fixing, testing and commissioning of health faucet, C.P. Brass angle valve & flexible pipe, wall flange complete as required complete in all respect. Health faucet.Make:- Kohler-model- 12925IN-RGD	EACH	5.00		5.00		0.00
152	3.20		Providing & fixing 15mm C.P.brass angle valve with C.P copper connecting pipe 375mm long and nuts, washer with C.P. brass wall flange complete, including cutting and making good the walls, wherever required. (Make :- Kohler-16086IN-4-RGD)	EACH	30.00		30.00		0.00
153	3.21		Providing & fixing towel Rail 600mm long fixed to wooden cleats with C.P. brass screws including cutting and making good the walls wherever required. Make :- Kohler model no. 14451T-RGD.	EACH	1.00		1.00		0.00
154	3.22		Providing & fixing of CP toilet paper holder complete, including cutting and making good the walls wherever required. Make :- Kohler model no. 14459T-RGD.	EACH	5.00		5.00		0.00
155	3.23		Providing & fixing Robe Hook fixed to wooden cleats with C.P. brass screws. Make :- Kohler ROBE HOOK model no. 14458T-RGD.	EACH	2.00		2.00		0.00
156	3.24		Providing, fixing, testing and commissioning S.S. braided pipe of 15 mm dia and 450 mm long including nuts and washers and making connection to fixtures and fittings complete in all respect. (Make:- Jaquar/Hindware)	EACH	36.00		36.00		0.00
157	3.25		Providing and fixing soap dish & holder of approved make. Including providing & fixing screws, washers, cutting & making good the walls. (Make :- Kohlar- 14461T-RGD).	EACH	1.00		1.00		0.00
158	3.26		Providing & fixing towel ring Including providing & fixing necessary fittings, cutting and making good the walls. Make :- Kohler model no. 14456T-RGD.	EACH	5.00		5.00		0.00
159	3.27		Providing & fixing towel shelf Including providing & fixing necessary fittings, cutting and making good the walls. Make :- Kohler model no. 14397T-RGD.	EACH	1.00		1.00		0.00
160	3.28		Providing & fixing Floor Drain Including providing & fixing necessary fittings, cutting and making good the walls. Make :- Kohler model no. 7275IN-RGD	EACH	6.00		6.00		0.00
III SPECIALLY ABLED TOILET									

SI No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
161	3.29	a)	Providing & fixing vitreous china Wall-hung European type water closet with CP bolts, nuts, CI Chair or other hanging arrangement with concealed Flushing Cistern with internal fittings, white solid plastic sheet and cover with lid, CP brass hinged rubber buffers with accessories, CI/ MS brackets painted with two coat of primer, CP brass screws and wooden cleats including cutting and making good the wall and floors wherever required. EWC Make: Kohler model no. Escal - 16817IN-SS-0 Kohler Concealed flushing cistern with kit Kohlar model- 77028IN-P-NA Kohler LynkFace plate- 75890IN-P-CP Kohle Rack bolt (WithCed Plated Stud 12 mm) - 1213309-0 Kohler Connector accessory pack 1046327-S	EACH	3.00		3.00		0.00
162	3.30		Providing & fixing white vitreous china wash basin for Over counter mounting, painted white, 32mm C.P.waste, 32mm dia cast brass bottle trap/P trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection, complete including cutting and making good the walls, wherever required. Make:- Kohler- 17656K-0 half-pedestal lavatory with single faucet hole	EACH	3.00		3.00		0.00
163	3.31		Providing & fixing Mixer for wash basin complete including cutting and making good the walls where required. (Make :- Kohler-STRAYT SENSOR 72867IN-ND-CP GRID DRAIN- 45432IN-CP BOTTLE TRAP,300MM model no- 75823IN-CP	EACH	3.00		3.00		0.00
164	3.32		Providing, fixing, testing and commissioning of health faucet, C.P. Brass angle valve & flexible pipe, wall flange complete as required complete in all respect. Health faucet.Make:- Kohler-model 97258IN-CP ELATE HEALTH FAUCET	EACH	3.00		3.00		0.00
165	3.33		Providing & fixing 15mm C.P.brass angle valve with C.P copper connecting pipe 375mm long and nuts, washer with C.P. brass wall flange complete, including cutting and making good the walls, wherever required. (Make :- KOHLER, model No. 80158IN-9-CP)	EACH	6.00		6.00		0.00
166	3.34		Providing & fixing of CP toilet paper holder complete, including cutting and making good the walls wherever required. Make :- Kohler model no. 14459T-CP.	EACH	3.00		3.00		0.00
167	3.35		Providing & fixing Robe Hook fixed to wooden cleats with C.P. brass screws. Make :- Kohler ROBE HOOK model no. 14458T-CP.	EACH	3.00		3.00		0.00
168	3.36		Providing & fixing tissue holder Make Kohler-model no.5633IN-CP	EACH	3.00		3.00		0.00
169	3.37		Providing & fixing Floor Drain Including providing & fixing necessary fittings, cutting and making good the walls. Make :- Kohler model no. 7275IN-CP	EACH	3.00		3.00		0.00
170	3.38		Providing & fixing following accessories :	PER SET	3.00	2.00	5.00		0.00
		i) Basin guard rail Article no. 840/L of Merino - 1 no.							
		ii) L-safety support - Article no. 822 /L of Merino - 1 no.							
		iii) Grab rail - Article no. 823 of Merino - 1 no.							
		iv) Vertical & Horizontal - Article no. 840 A of Merino - 1 no.							
171	3.39		Providing & fixing in position factory made Urinal modesty panel of approx size 1200 x 500 mm with customized design made of 12mm Compact Laminate made as per IS 2046 (Indian Standard) and as per fire retardant BS-476/97 standard. The solid compact laminate (Phenolic Core Board) shall be based on thermostatic resin, homogeneously reinforced with cellulose fiber and laminate on both side with suede finish, scratch and impact resistant. Accessories made of SS 304 grade stainless steel as per approval & instructions of the engineer-in-charge.	EACH		4.00	4.00		0.00
IV LADIES & GENTS TOILET 4 & 5 FLOOR									
172	3.40		Providing & fixing vitreous china Wall-hung European type water closet with CP bolts, nuts, CI Chair or other hanging arrangement with concealed Flushing Cistern with internal fittings, white solid plastic sheet and cover with lid, CP brass hinged rubber buffers with accessories, CI/ MS brackets painted with two coat of primer, CP brass screws and wooden cleats including cutting and making good the wall and floors wherever required.	EACH	9.00		9.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
			EWC Make: Kohler model no. Modern Life- 77142IN-S-HG1 Kohler Concealed flushing cistern with kit Kohlar model- 77027IN-M-NA Kohler Bevel Face plate- 75890IN-M-BN Kohle Rack bolt (WithCed Plated Stud 12 mm) - 1213309-0 Kohler Connector accessory pack 1046327-5						
173	3.41		Providing & fixing white vitreous china wash basin for Over counter mounting, painted white, 32mm C.P.waste, 32mm dia cast brass bottle trap/P trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection, complete including cutting and making good the walls, wherever required. Make:- Kohler- 5373IN-HG1 FOREFRONT RECT W/O DECK HONED THUNDER GREY	EACH	9.00		9.00		0.00
174	3.42		Providing & fixing Mixer for wash basin complete including cutting and making good the walls where required. (Make :- Kohler-73061T-7-BN COMPOSED WALL MOUNT BASIN MIXER GRID DRAIN- 45432IN-BN BOTTLE TRAP,300MM model no- 7314IN-BN	EACH	9.00		9.00		0.00
175	3.43		Providing & fixing white vitreous china urinal with automatic flushing system (battery operated) with C.I. hangers, 15mm dia spreaders, 32mm dia C.P. brass domical waste, 32mm dia cast bottle trap, and connection pipe to wall with C.P. flange, complete including cutting and making good the walls and floors wherever required. Ref, Make: Kohler Model No:16321IN-SS-0 , Patio Touchless with intigrated sensor)	EACH	6.00		6.00		0.00
176	3.44		Providing, fixing, testing and commissioning of health faucet, C.P. Brass angle valve & flexible pipe, wall flange complete as required complete in all respect. Health faucet Make:- Kohler-model 12927IN-BN	EACH	6.00		6.00		0.00
177	3.45		Providing & fixing 15mm C.P.brass angle valve with C.P copper connecting pipe 375mm long and nuts, washer with C.P. brass wall flange complete, including cutting and making good the walls, wherever required. (Make :- KOHLER, model No. 16086IN-4-BN)	EACH	33.00		33.00		0.00
178	3.46		Providing & fixing tissue holder make Kohler-model no.37054T-BN	EACH	9.00		9.00		0.00
179	3.47		Providing & fixing Floor Drain Including providing & fixing necessary fittings, cutting and making good the walls. Make :- Kohler model no. 7275IN-BN	EACH	15.00		15.00		0.00
180	3.48		Providing, fixing, testing and commissioning S.S. braided pipe of 15 mm dia and 450 mm long including nuts and washers and making connection to fixtures and fittings complete in all respect. (Make:- Jaquar/Hindware)	EACH	33.00		33.00		0.00
V LUNCH ROOM AREA - LADIES & GENTS TOILET 4 & 5 FLOOR									
181	3.49		Providing & fixing vitreous china Wall-hung European type water closet with CP bolts, nuts, CI Chair or other hanging arrangement with concealed Flushing Cistern with internal fittings, white solid plastic sheet and cover with lid, CP brass hinged rubber buffers with accessories, CI/ MS brackets painted with two coat of primer, CP brass screws and wooden cleats including cutting and making good the wall and floors wherever required. EWC Make: Kohler model no. Modern Life- 77142IN-S-HT1 Kohler Concealed flushing cistern with kit Kohlar model- 77027IN-M-NA Kohler Note Face plate- 75891IN-M-BV Kohle Rack bolt (WithCed Plated Stud 12 mm) - 1213309-0 Kohler Connector accessory pack 1046327-5	EACH	3.00		3.00		0.00
182	3.50		Providing & fixing white vitreous china wash basin for Over counter mounting, painted white, 32mm C.P.waste, 32mm dia cast brass bottle trap/P trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection, complete including cutting and making good the walls, wherever required. Make:- Kohler- 5373IN-HT1 FOREFRONT RECT W/O DECK HONED TRUFFLE	EACH	4.00		4.00		0.00
183	3.51		Providing & fixing Mixer for wash basin complete including cutting and making good the walls where required. (Make :- Kohler-5683IN-4ND-BV ALEO WALL MOUNT BASIN MIXER 5679IN-BV- VALVE FOR BASIN MIXER GRID DRAIN- 45432IN-BV BOTTLE TRAP,300MM model no- 7314IN-BV	EACH	4.00		4.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
184	3.52		Providing & fixing white vitreous china urinal with automatic flushing system (battery operated) with C.I. hangers, 15mm dia spreaders, 32mm dia C.P. brass domical waste, 32mm dia cast bottle trap, and connection pipe to wall with C.P. flange, complete including cutting and making good the walls and floors wherever required. Ref, Make: Kohler Model No:16321IN-SS-0 , Patio Touchless with intigrated sensor)	EACH	3.00		3.00		0.00
185	3.53		Providing, fixing, testing and commissioning of health faucet, C.P. Brass angle valve & flexible pipe, wall flange complete as required complete in all respect. Health faucet.Make:- Kohler-model 97258IN-BV ELATE HEALTH FAUCET For supply, installation, testing & commissioning of sanitary fixtures as per above details.	EACH	3.00		3.00		0.00
186	3.54		Providing & fixing 15mm C.P.brass angle valve with C.P copper connecting pipe 375mm long and nuts, washer with C.P. brass wall flange complete, including cutting and making good the walls, wherever required. (Make :- KOHLER, model No. 16086IN-4-BV)	EACH	14.00		14.00		0.00
187	3.55		Providing, fixing, testing and commissioning S.S. braided pipe of 15 mm dia and 450 mm long including nuts and washers and making connection to fixtures and fittings complete in all respect. (Make:- Jaquar/Hindware)	EACH	14.00		14.00		0.00
188	3.56		Providing & fixing tissue holder make Kohler-model no.11415-BV	EACH	3.00		3.00		0.00
189	3.57		Providing & fixing Floor Drain Including providing & fixing necessary fittings, cutting and making good the walls. Make :- Kohler model no. 7275IN-BV	EACH	2.00		2.00		0.00
VI MISC ITEMS									
190	3.58		Providing & fixing wall mounted C.P. Sink Mixer with swinging spout complete, including cutting and making good the walls wherever required. (Make :- Kohler , Cuff , K - 37315IN-4-CP, Dual Handle , Wall mount .)	EACH	4.00		4.00		0.00
191	3.59	a)	Providing & fixing, testing and commissioning of storage type electric water heater with automatic thermostatic control electric element, pressure release valve, brackets fixed to expansion fasteners with M.S. nuts and bolts all complete including cutting and making good the walls wherever required. 25 litres capacity	EACH	13.00	8.00	21.00		0.00
192	3.60		Providing and fixing in postion multi function recess panel automatic paper dispenser, hand dryer & waste receptacle ref. Euronics cat. No. KINOX KMR 3A having key features as follows : Door - 18-8, Type-304, 1.2mm Stainless Steel Cabinet - 18-8, Type-304, 0.8mm Stainless Steel. Auto Roll Towel Dispenser -18-8, Type-304, 0.8mm, Infrared Sensor – Battery operated : 4 X D size Alkaline Batteries. Hand Dryer: 550W (No heating element) Waste Container - 18-8, Type-304, 0.8mm Stainless Steel. Capacity: 23 Litres. Wall Opening required: 335mm (W) x 1615mm (H) x 165mm (D)	EACH	11.00	4.00	15.00		0.00
193	3.61		Providing and fixing white vitreous china wall hung type water closet (European type) with Quiet- close seat and cover, C.P. brass hinges and rubber buffers , CI/MS chair, complete including painting of fittings and brackets, cutting and making good walls and floors where ever required. W.C. pan with soft close white solid plastic seat and lid.(Make Kohler Code. No.72986IN-S-00 or approved equivalent	NUMBER		5.00	5.00		0.00
194	3.62		Providing and fixing P.V.C. low level concealed flushing cistern 3/6 lit.dual flush with manually controlled front operated device of Kohler make including Providing and fixing Twinline, dual flush actuator device controlling the cistern flush with all fittings and fixtures complete. with all fittings and fixtures complete. ref. Kohler cat. no. 77027IN-P-NA + 4177IN-M-CP	NUMBER		5.00	5.00		0.00
195	3.63		Providing and fixing table top basin ref. Kohler cat Mica vessel Green 90011T-0 or approved equivalent with 32mm C.P. brass waste & union of standard pattern, including painting of fittings, cutting and making good the walls wherever require. All the items shall be of approved make.	NUMBER		6.00	6.00		0.00
196	3.64		Supplying and fixing urinal with battery backup and urinal sensor, fixing to wall with required materials like teak wood plugs, packing pieces, screw nails, testing etc complete. All the items shall be of approved make.(Make Kohler cat. no. Bardon 4904T-ER-0 + 8791T-C01-CP or approved equivalent).	EACH		2.00	2.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
197	3.65		Providing and fixing wall mount basin faucet with base flange complete in all respects ref. Kohler cat. No. K-9106IN-4ND-CP or approved equivalent.	NUMBER		6.00	6.00		0.00
198	3.66		Providing and fixing C.P. brass toilet paper holder with flap complete in all respect ref. Kohler cat. No. 5633IN-CP or approved equivalent	NUMBER		4.00	4.00		0.00
199	3.67		Providing & fixing Bottle trap to wash basins with CP necessary fittings complete in all respect Ref. Kohler cat. 7314IN-CP Bottle Trap or approved equivalent	NUMBER		8.00	8.00		0.00
200	3.68		Providing and fixing Basic Health faucet with flexible tube and wall hook complete in all respect. (Make kohler cat. 12927IN-CP or approved equivalent)	NUMBER		5.00	5.00		0.00
201	3.69		Providing and fixing Bib cock with wall flange ref. Jaquar cat. No. SOL-6047 or approved equivalent	NUMBER		4.00	4.00		0.00
202	3.70		Angular stop cock with wall flange ref. Kohler cat. No. 80154IN-4-CP or approved equivalent	NUMBER		11.00	11.00		0.00
203	3.71		Providing & fixing Double Robe hook Jaquar make ACN 1161 N	NUMBER		4.00	4.00		0.00
204	3.72		Providing & fixing Manual Soap dispenser with wall mount ref. Kohler cat. No. 10712D-CP	NUMBER		4.00	4.00		0.00
205	3.73		Providing & fixing Digital Programmable fragrance dispenser of Euronics make EA 03	NUMBER		2.00	2.00		0.00
206	3.74		Providing and fixing 6mm thick copper back finish looking mirror of required size with bevelled edges over 12mm thick marine ply fixed using SS Studs of requisite size to create a gap of maximum distance 75mm from finished wall surface. All complete as per approval and instructions of the Engineer-in-charge of Modi Guard / Asahi/Saint-Gobain/Golden Glass make	SQUARE METER		7.00	7.00		0.00
207	3.75		UPVC PIPE AND FITTINGS FOR INTERNAL DRAINAGE Providing, fixing, testing and commissioning of UPVC pipe SWR type 'B' conforms to IS : 13592-1992 with all fittings such as bends, tees, elbow, 'Y', offset, cleaning pipe door, clamps and steel structural supports etc. including cutting the floors, walls and making good the same in cement concrete 1:2:4 & cement mortar 1:4. The wall thickness of pipe and technical characteristic conforms to IS : 13592-1992 type 'B'. The fitting dimension conforming to IS : 14735-1999. The jointing to be completed with rubber ring joint/solvent weld joint of make Supreme.Prince or approved equivalent make - 110 mm (OD) SWR Pipe	METER		25.00	25.00		0.00
208	3.76		UPVC PIPE AND FITTINGS FOR INTERNAL DRAINAGE Providing, fixing, testing and commissioning of UPVC pipe SWR type 'B' conforms to IS : 13592-1992 with all fittings such as bends, tees, elbow, 'Y', offset, cleaning pipe door, clamps and steel structural supports etc. including cutting the floors, walls and making good the same in cement concrete 1:2:4 & cement mortar 1:4. The wall thickness of pipe and technical characteristic conforms to IS : 13592-1992 type 'B'. The fitting dimension conforming to IS : 14735-1999. The jointing to be completed with rubber ring joint/solvent weld joint of make Supreme.Prince or approved equivalent make - 160 mm (OD) SWR Pipe	METER		5.00	5.00		0.00
209	3.77		Providing and laying cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate, 20 mm down gauge) 75 mm in bed and all around UPVC waste pipes under floor, including shuttering and necessary reinforcement etc. complete as required for: 110 mm (OD)	METER		25.00	25.00		0.00
210	3.78		Providing & fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100mm inlet & 75mm outlet SCI S&S as per IS - 3989.	NUMBER		8.00	8.00		0.00
211	3.79		Providing, fixing, testing and commissioning of UPVC cleanout plug conforming to IS : 14735-1999 complete with all fitting; accessories and civil work. 110 mm OD	NUMBER		4.00	4.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
212	3.80		Providing, fixing, testing and commissioning of UPVC waste Pipe conforming to IS : 4985-2000 class IV (6 Kg/Sq.cm) including all moulding fittings conforming to IS : 7834 (Part-1 - Part -7) 1987 such as tees, bends, reducers, coupling, adopters etc. solvent welded joint as per manufacturer recommendation including cutting and making good the walls, floors, R.C.C. work etc. (For waste connection) of make Supreme,Prince etc or approved equilent make. - 40 mm (OD)	METER		15.00	15.00		0.00
213	3.81		Providing, fixing, testing and commissioning of UPVC waste Pipe conforming to IS : 4985-2000 class IV (6 Kg/Sq.cm) including all moulding fittings conforming to IS : 7834 (Part-1 - Part -7) 1987 such as tees, bends, reducers, coupling, adopters etc. solvent welded joint as per manufacturer recommendation including cutting and making good the walls, floors, R.C.C. work etc. (For waste connection) of make Supreme,Prince etc or approved equilent make. - 50 mm (OD)	METER		10.00	10.00		0.00
214	3.82		Providing, fixing, testing and commissioning of UPVC waste Pipe conforming to IS : 4985-2000 class IV (6 Kg/Sq.cm) including all moulding fittings conforming to IS : 7834 (Part-1 - Part -7) 1987 such as tees, bends, reducers, coupling, adopters etc. solvent welded joint as per manufacturer recommendation including cutting and making good the walls, floors, R.C.C. work etc. (For waste connection) of make Supreme,Prince etc or approved equilent make. - 63 mm (OD)	METER		10.00	10.00		0.00
215	3.83		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 15 mm nominal outer dia .Pipes.	METER		70.00	70.00		0.00
216	3.84		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 20 mm nominal outer dia pipes.	METER		30.00	30.00		0.00
217	3.85		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 25 mm nominal outer dia .Pipes.	METER		5.00	5.00		0.00
218	3.86		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 32 mm nominal outer dia .Pipes.	METER		5.00	5.00		0.00
219	3.87		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 40 mm nominal outer dia .Pipes.	METER		5.00	5.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
220	3.88		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 50 mm nominal outer dia. Pipes.	METER		2.00	2.00		0.00
221	3.89		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work . make Astrall, Supreme or approved equilent make. 15 mm nominal outer dia. Pipes.	METER		60.00	60.00		0.00
222	3.90		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work . make Astrall, Supreme or approved equilent make. 20 mm nominal outer dia. Pipes.	METER		50.00	50.00		0.00
223	3.91		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work . make Astrall, Supreme or approved equilent make. 25 mm nominal outer dia. Pipes.	METER		40.00	40.00		0.00
224	3.92		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work . make Astrall, Supreme or approved equilent make. 32 mm nominal outer dia. Pipes.	METER		25.00	25.00		0.00
225	3.93		Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : - 15 mm dia	NUMBER		4.00	4.00		0.00
226	3.94		Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm dia	NUMBER		4.00	4.00		0.00
227	3.95		Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm dia	NUMBER		2.00	2.00		0.00
228	3.96		Providing and fixing forged brass auto air vent valve 10 PN rating including all fitting & accessories.	NUMBER		1.00	1.00		0.00
VII MIRRORS									
229	3.97	a)	Providing and Fixing 6mm thk. Mirror (with 3mmX3mm bevelled edge) of approved make adhesive bonded to 8mm thk. Marine plywood fixed to wall / block work surface, including preparation of the base surface for mounting of ply including all sides of backing marine ply finished with spray applied automotive grade paint match to adjacent wall tile / paint colour complete in all respects as per detail drawing and providing cut-outs wherever necessary as per MEP requirements. (Base rate of 6mm thk. Mirror – INR 1600 sq. mt.) Refer Hafele cat. Aquasys Light Mirror 1200 X 900 X 54	EACH	6.00		6.00		0.00
230	3.98		Providing and Fixing 6mm thk. Mirror (with 3mmX3mm bevelled edge) of approved make adhesive bonded to 8mm thk. Marine plywood fixed to wall / block work surface, including preparation of the base surface for mounting of ply including all sides of backing marine ply finished with spray applied automotive grade paint match to adjacent wall tile / paint colour complete in all respects as per detail drawing and providing cut-outs wherever necessary as per MEP requirements.	SQUARE METER	10.00		10.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
231	3.99	(j)	Providing and fixing cut to size 6mm thick looking mirror of required size over 18 mm th. marine ply with 3M double sided tape as per manufacturer's specifications. Sealing the edges with transparent silicon sealant bead. All complete as per design intent as follows, approval and instructions of the Engineer in charge: MR-A: Mirror with edges machine polished and 2mm bevelled. 12mm x 32mm edge profile made of American white Oak wood duly polished around.	SQUARE METER	20.00		20.00		0.00
232	3.100		Providing and fixing cut to size 6mm thick looking mirror of required size over existing surface with 3M double sided tape as per manufacturer's specifications. Sealing the edges with transparent silicon sealant bead. All complete as per approval and instructions of the Engineer-in-charge.	SQUARE METER		25.00	25.00		0.00
233	3.101		TOILET MIRRORS Providing & Fixing Mirrors overall size 575 x 1175mm as per following specifications: Main Frame: Aluminium sections , main frame 25 x 12mm, sub frame 32 x 12mm and 18 x 4mm MS plate for Ply support . Mirror: 6mm thk. Mirror (with 3mm X 3mm bevelled edge) of approved make adhesive bonded to 8mm thk. Marine plywood. Finish: Powder coated to desired colour .	EACH	22.00		22.00		0.00
234	3.102		Urinal Partition Providing & Fixing Urinal Partion overall size 550 x 2850mm as per following specifications: Main Frame: Aluminium sections , main frame 25 x 12mm, sub frame 32 x 12mm and glass support 10 x 10mm . Glass: GL-08 : 11.5mm thick laminated glass. Sandwiched glass with clear toughened glass and fluted toughened glass Finish: Powder coated to desired colour	EACH	6.00		6.00		0.00
235	3.103		Supply & installation of Restroom Cubicles as per following specifications ref. merino cat. Athenalite series (Nylon + Aluminium) : Pilaster and Door will be of 12mm thick Solid Compact Laminate with edge chamfered. Solid Compact Laminate will be impregnated with phenolic resin based on thermosetting resins, homogeneously reinforced with cellulose fibers and laminates on both sides with matt/textured finish melamine. Standard Dimension:- (Nylon + Aluminum) Cubicle is 2400mm(H) and width as per site. Standard Door Size : 600 - 650mm. Floor Clearance : 150mm. SS Thumb Turn lock set with occupancy indicator. Accessories & Hardware:—Heat and Chemical Resistant Polymide Door Knob with Occupancy Indicator. Heat and Chemical Resistant Polymide Coat Hook incorporating Anti-Slam Door Stopper. Nylon Gravity Hinges, U-Channels, MS Wall Bracket for H-Top Rail. Aluminum H-Top Rail of Grade 6063 T5-15 Micron Epoxy Coated of Dimension of 125mm x 70mm x 5mm thick . Fixing:—The Pilaster is slotted & affixed to the Top Rail and secured from the top of the Top Rail. The Head Rail will run the total length of Restroom Front Partition with fixing point at pilaster profile for rigidity and stability. The Top Rail will be fixed to the Wall on both sides using MS Wall Bracket. Doors fixed to Pilaster (Mid & End).	EACH	9.00		9.00		0.00

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236	3.104		Supply & installation of restroom cubicles (Toilet She - set of 2 cubicles) as per following specifications ref. merino cat. Athenalite series (Nylon + Aluminium) : Intermediate Panel, Pilaster and Door:—All Intermediate Panels, Pilasters and Door will be of 12mm thick Solid Compact Laminate with edge chamfered. The intermediate panel is one continuous panel without any joints. Solid Compact Laminate will be impregnated with phenolic resin based on thermosetting resins, homogeneously reinforced with cellulose fibers and laminates on both sides with matt/textured finish melamine. Standard Dimension:- (Nylon + Aluminum) Cubicle is 2400mm(H) × 1000mm (W) × 1550mm (D). Standard Door Size : 600 - 650mm. Floor Clearance : 150mm. SS Thumb Turn lock set with occupancy indicator. Accessories & Hardware:—Heat and Chemical Resistant Polymide Door Knob with Occupancy Indicator. Heat and Chemical Resistant Polymide Coat Hook incorporating Anti-Slam Door Stopper. Nylon Gravity Hinges, U-Channels, MS Wall Bracket for H-Top Rail. Aluminum H-Top Rail of 5500mm of Grade 6063 T5-15 Micron Epoxy Coated of Dimension of 125mm × 70mm × 5mm thick . Fixing:—The Pilaster is slotted & affixed to the Top Rail and secured from the top of the Top Rail. The Head Rail will run the total length of Restroom Front Partition with fixing point at pilaster profile for rigidity and stability. The Top Rail will be fixed to the Wall on both sides using MS Wall Bracket. The Intermediate Panel will be anchored to the wall and pilaster with polyster power coated Grade 6063 T5-15 Micron Aluminum U Channels with Doors fixed to Pilaster (Mid & End).	EACH		1.00	1.00		0.00
237	3.105		Supply & installation of restroom cubicles (She toilet - set of 1 cubicles) as per following specifications ref. merino cat. Athenalite series (Nylon + Aluminium) : Intermediate Panel, Pilaster and Door:—All Intermediate Panels, Pilasters and Door will be of 12mm thick Solid Compact Laminate with edge chamfered. The intermediate panel is one continuous panel without any joints. Solid Compact Laminate will be impregnated with phenolic resin based on thermosetting resins, homogeneously reinforced with cellulose fibers and laminates on both sides with matt/textured finish melamine. Standard Dimension:- (Nylon + Aluminum) Cubicle is 2400mm(H) × 1000mm (W) × 1550mm (D). Standard Door Size : 600 - 650mm. Floor Clearance : 150mm. SS Thumb Turn lock set with occupancy indicator. Accessories & Hardware:—Heat and Chemical Resistant Polymide Door Knob with Occupancy Indicator. Heat and Chemical Resistant Polymide Coat Hook incorporating Anti-Slam Door Stopper. Nylon Gravity Hinges, U-Channels, MS Wall Bracket for H-Top Rail. Aluminum H-Top Rail of 5500mm of Grade 6063 T5-15 Micron Epoxy Coated of Dimension of 125mm × 70mm × 5mm thick . Fixing:—The Pilaster is slotted & affixed to the Top Rail and secured from the top of the Top Rail. The Head Rail will run the total length of Restroom Front Partition with fixing point at pilaster profile for rigidity and stability. The Top Rail will be fixed to the Wall on both sides using MS Wall Bracket. The Intermediate Panel will be anchored to the wall and pilaster with polyster power coated Grade 6063 T5-15 Micron Aluminum U Channels with Doors fixed to Pilaster (Mid & End).	EACH		1.00	1.00		0.00

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238	3.106		Supply & installation of restroom cubicles (Toilet He - set of 1 cubicles) as per following specifications ref. merino cat. Athenalite series (Nylon + Aluminium) : Intermediate Panel, Pilaster and Door:—All Intermediate Panels, Pilasters and Door will be of 12mm thick Solid Compact Laminate with edge chamfered. The intermediate panel is one continuous panel without any joints. Solid Compact Laminate will be impregnated with phenolic resin based on thermosetting resins, homogeneously reinforced with cellulose fibers and laminates on both sides with matt/textured finish melamine. Standard Dimension:- (Nylon + Aluminum) Cubicle is 2400mm(H) × 1000mm (W) × 1550mm (D). Standard Door Size : 600 - 650mm. Floor Clearance : 150mm. SS Thumb Turn lock set with occupancy indicator. Accessories & Hardware:—Heat and Chemical Resistant Polymide Door Knob with Occupancy Indicator. Heat and Chemical Resistant Polymide Coat Hook incorporating Anti-Slam Door Stopper. Nylon Gravity Hinges, U-Channels, MS Wall Bracket for H-Top Rail. Aluminum H-Top Rail of 5500mm of Grade 6063 T5-15 Micron Epoxy Coated of Dimension of 125mm × 70mm × 5mm thick . Fixing:—The Pilaster is slotted & affixed to the Top Rail and secured from the top of the Top Rail. The Head Rail will run the total length of Restroom Front Partition with fixing point at pilaster profile for rigidity and stability. The Top Rail will be fixed to the Wall on both sides using MS Wall Bracket. The Intermediate Panel will be anchored to the wall and pilaster with polyster power coated Grade 6063 T5-15 Micron Aluminum U Channels with Doors fixed to Pilaster (Mid & End).	EACH		2.00	2.00		0.00
VIII VANITY									
239	3.107		TOILET VANITY COUNTERS WITH ALUMINIUM FRAME AND TERRAZZO SLAB COUNTER TOP Providing and fixing in position Wash Basin Counter Tops for fixing basins as per following specifications: Concealed aluminium framework of requisite strength to hold the complete assembly. Aluminium frame firmly grouted/ fixed to the wall. Frame clad with 18mm thk. marine Ply. Counter top and verticals wrapped around (visible three sides) and finished in 15mm thk. Terrazzo Slab as per colour code and design intent.						
			a) TS-01 : Terrazzo Slab, Tevere in 4th Floor & 5th Floor, Executive Toilet(Basic rate of stone Rs.3770/- Per SQM)	RUNNING METER	4.00		4.00		0.00
			b) TS-02: Terrazzo Slab , Treia in 5th Floor, Common Toilet (Basic rate of stone Rs.3770/- Per SQM)	RUNNING METER	3.50		3.50		0.00
			c) TS-03: Terrazzo Slab Forum in 5th Floor, Lunch Room Toilets (Basic rate of stone Rs. 3230/- Per SQM.-)	RUNNING METER	3.50		3.50		0.00
			d) TS-04: Terrazzo Slab, Sienna Leather in 4th Floor, Common Toilets (Basic rate of stone Rs. 3550/- Per SQM)	RUNNING METER	3.50		3.50		0.00
240	3.108		Pantry Counter Top Providing and Fixing to Pantry Counter top / elsewhere 20 mm thick granite stone of mirror polish, machine cut counter tops cut to desired shapes of following shades including making cut out for wash basin / sink. All complete as per drawing, approval and instructions of the Engineer in charge.						
			i) 20mm thick Tan Brown - Polished (Basic rate of stone Rs. 2200/- Per Sqm.)	SQUARE METER	15.00		15.00		0.00
			ii) Making the exposed edge of the counter Full Round and polishing the same.	RUNNING METER	15.00		15.00		0.00
241	3.109		Pre-cast Concrete Wash Basin in 5th Floor, Lunch Wash Area as per following specifications: Made out of Litheoz , refer Nuance Studio cat. , Monolith Series , Model - Mono_tr , Size : 1500 x 500mm. Item to include 2 nos. wall mount sensor faucet ref. Kohler cat. T1560IN-ND-CP	EACH	2.00		2.00		0.00
IV DOORS									
242	4.1		Providing and fixing moulded American Oak wood in frames of doors, and other frames as per design. All complete as per specifications and approval of the Engineer - In - Charge.	CUBIC METER		0.25	0.25		0.00
243	4.2		Providing and fixing American Oak wood architrave to chowkhat and wall / partition of finished size 37mm x 19mm, moulded to shape.All complete as per specification, drawing, design intent and approved and instruction of the Engineer - In - Charge. For the purpose of payment the architrave shall be measured along the center line in one go.	RUNNING METER		70.00	70.00		0.00

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244	4.3		Providing and fixing in position flush door shutter as per following specifications : Core: 40mm thick non decorative, factory made flush doors. Item to include all edges of shutter to be sealed with 6 mm thick American Oak wood /Wenge wood edging slip on all sides. Wood protected with two coats sealer and two coats of melamine (matte) polish. All complete as per specifications, and approval and instructions of the Engineer - In - Charge. Notes: Door shall be finished to match with the decor of the relevant room. Cost of either side of finishing to be measured in the relevant item. Front area from one side to be measured for the purpose of payment.	SQUARE METER		15.00	15.00		0.00
245	4.4		Providing & fixing in position Shaft Door shutters as per following specifications: Core: 30mm thick non decorative, factory made flush doors as per technical specifications. All edges of shutter sealed with 6 mm thick Oak wood edging slip on all sides Finish: Shutter finished inside with water proof paint and outside finished in two or more coats of Primer to receive paint matching to the adjoining wall. Item includes 3nos. stainless steel butt hinges 100 x 25mm with ball bearing and S.S. screws. All complete as per approval and instructions of the Engineer- in - charge.	SQUARE METER		5.00	5.00		0.00
246	4.5		Providing & fixing in position Louvered shutter as per following specifications :- Main Frame: Made out of section 75mm x 65mm White Oak wood section. Shutter: White Oak wood section 70mm x 32mm all round. 6mm x 70mm White Oak wood louvers. Finish: Wood protected with two coats sealer and two coats of melamine (matte) polish. Handles & Accessories: Double action swing hinges S.S. brush finish (2 nos. per shutter) ref. Hafele Cat. No. 902.01.430 or of approved equivalent make. All complete as per specification, and instructions of the Engineer - In - Charge.	SQUARE METER		5.00	5.00		0.00
247	4.6		Dismantling existing AHU door opening inside AHU room and refixing the same by opening outside.	EACH		2.00	2.00		0.00
248	4.7		Providing and fixing Pair of Glass Door Handle 25mm dia. X 900 c/c 1200 o/a (for main entrance doors) ref. Hafele cat. 903.01.712 with necessary hardware.	EACH		8.00	8.00		0.00
249	4.8		Providing and fixing Pair of Door Handle 300mm long back to back fixing ref. hafele cat. No. 903.05.700 with all necessary hardware.	EACH		2.00	2.00		0.00
250	4.9		Providing and fixing Corner Patch Lock with cylinder Ref. Hafele cat. 981.50.030	EACH		8.00	8.00		0.00
251	4.10		Providing and fixing set of Floor Spring & Pivot for frameless glass door Refer Hafele cat. 981.07.280, 981.07.290, 932.77.020, including top and bottom patch fitting ref. hafele cat no. 981.50.20 & 981.50.010	EACH		8.00	8.00		0.00
252	4.11		Providing and fixing Concealed Door Closer ref. Hafele cat. HS 3000 Slimline Hold Open Clip, Min. Door Thickness 40MM	EACH		5.00	5.00		0.00
253	4.12		Providing and fixing Wall mounted door stop ref. hafele cat. 937.13.530	EACH		5.00	5.00		0.00
254	4.13		Providing and fixing Door handle with Lever, mortice and cylinder Ref. Hafele Cat. 903.92.586, 911.02.164, 916.96.006 matt finish handles with Mortise lock, Euro profile cylinder	EACH		5.00	5.00		0.00
255	4.14		Providing and fixing Stainless steel hinges. Ball Bearing Hinges ref. Hafele cat. 926.32.160 Ball bearing butt hinge 4" x 3" x 3mm	EACH		20.00	20.00		0.00

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256	4.15		Supply & fixing of 83mm thick, having 38 dB acoustic cum fire check door shutters , having Fire rating 120 Minutes minimum, including door frame of section 145mm x 75mm marrantti wood fixed to the door jambs with anchor fastners as required, having infill of 47mm thick resin bonded glasswool of 24kg/cum density coated with FR Acrylic Sealant Sandwiched between two 9 mm thick calcium silicate boards (Starpan or equivalent) 100% without asbestos, Brucite and Meerscham having a density not more than 1150kg/cum and thermal conductivity 0.14 W/M*K faced with 8mm thick commercial ply (green/merino/century) with heat activated intumescent fire seal strip of size 10mm x 4mm mounted in the grooves having hardwood lipping of size 15mm x 70mm and fire retardant 1mm thick laminate (merino/century/greenlam) facing on both sides in desired shade and colour. The door to have 145x75mm The work shall be executed as per drawings ,specifications & instructions of engineer in charge. (Note:Contractor to submit shop drawing & Test certificates from manufacturer (The Manufacturers to submit test certificate for fire rating from CBRI Rorkee) . Recommended Make : Global / Navair / Sukriti or equivalent.	SQUARE METER		15.00	15.00		0.00
257	4.16		Providing & fixing acoustic seals to achieve 38 dB noise reduction alongwithcomplete set of RP 24,16 & 38 (Lorient/ Astroflame U.K./Raven/Marshall) to achieve high acoustics and 2 no seals of fire & smoke as required complete. The work shall be executed as per drawings ,specifications & instructions of engineer in charge.	SETS		4.00	4.00		0.00
258	4.17		Supply & fixing of 304 grade stainless steel ball bearing hinges from Marshall/Assa Abloy/IngersollRand of size 100x100x3mm thick complete .The work shall be executed as per drawings ,specifications & instructions of engineer in charge.	EACH		32.00	32.00		0.00
259	4.18		Supply & fixing of extruded aluminum body Heavy duty fire rated door closers with stainless steel full body cover. The door closers should be of type-1-6, Non handed, back check, delayed action and tested along with the wooden fire doors from CBRI Roorkee as per BS476 part-22 and IS 3614 Part-2. The door closer shall have 10 years mechanical warranty from the manufacturer and complies with EN 1154- for 50000 cycles + A1: 2002 CE certified. The work shall be executed as per drawings ,specifications & instructions of engineer in charge.	EACH		8.00	8.00		0.00
260	4.19		Providing and fixing panic bar / latch (Double point) fitted with a single body, Trim Latch & Lock on back side of the Panic Latch of reputed brand and manufacture to be approved by the Engineer- in- charge, all complete.	EACH		8.00	8.00		0.00
261	4.20		Providing and fixing 25mm dia & 400 mm long brushed steel finish pull handles with with long bolt and cap for fixing from outside only as per design approved by engineer in charge of Make Dorset, Dorma, Golden, Hettich ,hafele. All door frames to be braced from raw floor slab upto soffit of false ceiling / Beam. Requisite hard wood frame work to be provided above false ceiling finish for supporting door frame , floor springs etc. DOOR FRAMES	EACH		12.00	12.00		0.00
262	4.21		Providing and fixing Door Frames for Doors. Door Frames of moulded American Oak Wood of crossection as follows and as per design. All door frames to be braced from raw floor slab upto soffit of false ceiling / Beam. Requisite hard wood frame work to be provided above false ceiling finish for supporting door frame , floor springs etc. Wood to be polished/ including protecting with two coats of sealer and two coats of polyurethane matt finish. All complete as per specifications, drawings, design intent and instructions of the Engineer in charge. i) 125 x 62mm ii) 140 x 86 mm (for D1)	CUBIC METER	1.00		1.00		0.00
			ARCHITRAVE						

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263	4.22		Providing and fixing Architrave to Door Frames and wall / partition of moulded American Oak Wood of crossection 37mm x 19mm, moulded to shape. All complete as per specifications, drawings, design intent and instructions of the Engineer in charge. Wood to be polished/ protected with two coats of sealer and two coats of polyurethane matt finish. All complete as per specifications, drawings, design intent and instructions of the Engineer in charge. Mode of Measurent: For the purpose of payment the architrave shall be measured along the center line in one go.	RUNNING METER	120.00		120.00		0.00
264	4.23		Providing and fixing Canadian wood western hemlock wood architrave to chowkhat and wall / partition of finished size as follows moulded to shape. Wood shall be protected with two coats sealer and two coats of Polyurethane polish.All complete as per specification, drawing, design intent and approved and instruction of the Engineer in charge. Note: For the purpose of payment the architrave shall be measured along the center line in one go.						
			a) 37mm x19mm	RUNNING METER	35.00		35.00		0.00
			b) 15mm x19mm	RUNNING METER	30.00		30.00		0.00
265	4.24		D1 : FLUSH DOOR SHUTTER (CMD, Director , CVO & Board Room) Providing and fixing in position decorative single leafe Flush door shutters D1 as per following specifications : Door shutter of size 830 x 2850 mm Core & Shutter: 40mm thick non decorative, factory made flush doors as per technical specifications. Shutter panel 51 mm thick. Shutter frame (12mm x 51mm of solid Oak wood alround). Finish Both faces of the Door shall be finished to match with the decor of the relevant room and paid for in the relevant item. Finish: wood protected with two coats of sealer and two coats of polyurethane matt finish. All complete as per specifications, drawings, design intent and instructions of the Engineer-in-charge. Mode of Measurement Front area from one side to be measured for the purpose of payment.	SQUARE METER	25.00		25.00		0.00
266	4.25		D2 & D2a : SINGLE LEAF HINGED GLAZED DOOR WITH ALUMINIUM PROFILE Providing and fixing in position glazed Single leaf door shutter D2 & D2a as per following specifications : Door of Size : 1000mm x 2850 mm Frame: Extruded aluminium profile with 16mm Face Width Extruded Aluminium built up sections confirming to alloy 63400 WP (6063 - T6 alloy) with chemical composition and mechanical properties as per IS:733:1983 and IS 1285:2002. All extruded aluminium profiles shall be powder coated to 50 to 60 microns thickness in approved shade / colour with 10 years warranty of colour fading / peeling off / cracking etc. Hardware & Accessories : All doors with Handles with one side Knob and one side key locking and necessary hardware, SS Hinges including fixing in masonry walls/RCC surface with plastic sleeve anchors & other fastening materials complete with Silicone Sealant. EPDM gaskets, weather sealants, fasteners, s.s. screws, masking tape, protective tape, backer rods etc. complete in all respect. Note: Only Doors to be measured and paid for in this item. Partition shall be measured and paid for in the relevant item.						
			a) D2- (PS & Visitor Room) : Using GL-01, 8mm Toughned clear glass	SQUARE METER	45.00		45.00		0.00
			b) D2a - Meeting Rooms : Using GL-02, 8mm Toughned Tinted clear glass. Tint / colour of the glass as per approval .	SQUARE METER	15.00		15.00		0.00
267	4.26		D3 & D3a : SINGLE LEAF SLIDING GLAZED DOOR WITH ALUMINIUM PROFILE Providing and fixing in position glazed Single leaf door D3 & D3a as per following specifications : Door of Size : 1000mm x 2850 mm Frame: Extruded aluminium profile with 16mm Face Width X 45mm. Extruded Aluminium built up sections confirming to alloy 63400 WP (6063 - T6 alloy) with chemical composition and mechanical properties as per IS:733:1983 and IS 1285:2002. All extruded aluminium profiles shall be powder coated to 50 to 60 microns thickness in approved shade / colour with 10 years warranty of colour fading / peeling off / cracking etc. Hardware & Accessories : One side recessed handle and one side key locking Handle including along with necessary hardware's i.e. sliding rail, rollers, guide etc. with required accessories complete as per elevation and conceptual detail drawings, fixing arrangement and making necessary holes etc., including fixing in masonry walls / Partitions / RCC surface with plastic sleeve anchors & other fastening materials complete with Silicone Sealant.						

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES								
			Note: Only Doors to be measured and paid for in this item. Partition shall be measured and paid for in the relevant item.												
			a) D3 - (EA Cabins) : Using GL-01, 8mm Toughned clear glass	SQUARE METER	15.00		15.00		0.00						
			b) D3a - (Visitor Room , 5th Floor) : Using GL-02, 8mm Toughned Tinted clear glass. Tint / colour of the glass as per approval .	SQUARE METER	5.00		5.00		0.00						
268	4.27		D4 & D4a : Providing and fixing in position flush door shutter D4 as per following specifications : Core: 40mm thick non decorative, factory made flush doors as per technical specifications. All edges of shutter sealed with 6 mm thick Oak wood edging slip on all sides. Finish Both faces of the Door shall be finished to match with the decor of the relevant room. All wooden edging to be polished/ protected with two coats sealer and two coats of melamine (matte) polish with stain to match the laminate. All complete as per specifications, design intent and instructions of the Engineer in charge. Notes: Door shall be finished to match with the decor of the relevant room. Cost of either side of finishing to be measured in the relevant item. Mode of Measurent Front area from one side to be measured for the purpose of payment. i) D4 - (All Toilets) : ii) D4a - (Toilet for Specially abled)							SQUARE METER	30.00		30.00		0.00
				SQUARE METER	10.00		10.00		0.00						
269	4.28		D4B : FLUSH DOOR WITH PEEP WINDOW (FOR PANTRY) Providing and fixing Flush door with peep window (on hinges): and sizes as per drawing and following specifications: Core: 40mm thick non decorative, factory made flush doors as per technical specifications. All edges of shutter sealed with 6 mm thick Oak wood edging slip on all sides. Glass 11.5mm thick laminated glass. Sandwiched glass with clear toughened glass and fluted toughened glass of size 300 x 300mm fixed with 6 mm thick Oak wood edging Finish Both faces of the Door shall be finished to match with the decor of the relevant room. All wooden edging to be polished/ protected with two coats sealer and two coats of melamine (matte) polish with stain to match the laminate. All complete as per specifications, design intent and instructions of the Engineer in charge.							SQUARE METER	15.00		15.00		0.00
270	4.29		D5- PARTLY GLAZED DOUBLE DOOR SHUTTER (Lunch Room) Providing and fixing in position decorative partly glazed Single leaf double door shutter D5 as per following specifications : Door of size 1800 x 2850 Shutter: Shutter panel 51 mm thick. Shutter frame 12mm x 51mm of solid Oak wood alround . 11.5mm thick laminated glass Sandwiched glass with clear toughened glass and fluted toughened glass. Finish wood protected with two coats sealer and two coats of melamine (matte) polish. All complete as per specifications, drawings, design intent and instructions of the Engineer-in-charge. Mode of Measurement Front area from one side to be measured for the purpose of payment.							EACH	1.00		1.00		0.00
			D6 : POCKET FLUSH DOOR SHUTTERS (ALL CABIN TOILETS) Providing and fixing in position Decorative flush door shutters , as per following specifications : FRAME: Hidden frame made of 125mm x 40mm white ash wood clad with 9mm thick BWR ply on both sides Shutter:												

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
271	4.30		Shutter panel 60/67 mm thick finished in 1.0 mm thick laminate /3.5mm thick Decorative veneer ply on both sides of the door and edges. Finish: Both faces of the Door shall be finished differently to match with the decor of the relevant room. Hardware: Eclisse single 750x3000 stud wall FW 150 EKFMV6/80 Eclisse OPROF1 anti profile, jams and brushes. All complete as per specifications, design intent and instructions of the Engineer in charge. Notes: Door shall be finished to match with the decor of the relevant room. Cost of either side of finishing to be measured in the relevant item. Mode of Measurement Front area from one side to be measured for the purpose of payment.	EACH	4.00		4.00		0.00
			D7 & D8 : FIRE CHECK DOOR (MAIN STAIRCASE FIRE EXIT STAIRCASES) Fire Resistant Glazed Door Supply and installation of tested Vetrotech Saint-Gobain VDSTM fully glazed fire rated unlatched Single/ Double leaf door system with 120 minutes of integrity and radiation control (EW 120) with symmetrical (Bi-Directional) fire protection as per following specification . Frames: Shall be imported cold rolled Forster profiles from Switzerland using DX52D+Z275-M-A-O steel sheets (As per EN standard EN 10327). Door frames: The door frames are cold rolled from 1.5 mm steel sheet to form a profile of 50 mm x 50 mm on all sides Shutter: The door shutter would have the top rail, side rail and bottom rail dimensions of 50 mm x 50 mm. The overall door opening shall be as per tested evidence and tested as per EN 1634-1 in an accredited international laboratory. Glass: The glass should be Contraflam Lite 14mm clear 120 min fire rated for Integrity, Radiation control (EW 120) and partially insulation (EI 20) Non Wired Toughened Interlayered glass with a light transmission of 86% and a sound reduction of 38 dB and manufactured in UL & TUV audited Facility and including UL-EU Certification and compliant to class 1(B)1 category of Impact Resistance as per EN 12600. The glass shall provide bi-directional (Symmetrical) fire protection. The shutters should be fixed to the frame using Forster Weld-on hinges of dimensions 179mm X 20mm. The profiles shall have grooves to incorporate Fire Resistant gaskets. The doors shall incorporate drop down seal at the bottom. The glass should be held in its place with the help of 1.5 mm cold rolled steel beading and Kerafix 2000 ceramic tape with cross section of 4 x 15 mm as per the test evidence. Beading shall be clipped on using Stainless Steel self-tapping screws fixed at a distance of 70 mm from the edges and 150 mm c/c henceforth. The glass panes are to be supported on non-combustible 6 mm Calcium Silicate setting blocks. The door should be fitted with offset pull handle and door closer. The inactive leaf should be fixed to the frame using a tower bolt at meeting edge at top or as per the tested evidence. The doors & partition shall be manufactured in a TUV audited facility. The doors & partition shall offer C4 level of wind resistance when tested as per EN12211 and shall provide class 4 level of air permeability as per EN 1026. The door & partition shall also be subjected to durability tests as per EN 12400 for C5 classification (200,000 cycles). The doors & partition shall also be tested for class 5 of impact resistance when tested as per EN 13049. The doors & partition shall also be tested for class 4 level of Mechanical strength when tested as per EN13115. The doors shall have water tightness level of 8A when tested as per EN 1027. The test report will be considered valid only if it contains the stamp and signature of the authorized signatory from Saint-Gobain India Pvt. Ltd. Following Hardwares Cost included : Door closure Hinges 450mm Offset Pull Handle - For Double Leaf Door 70mm Euro Key Cylinder Single Mortise Deadlock PHA 2000 Push bar - For Single Leaf Door Anchor Bolts Fire Resistant Glazed Fixed Partition Supply and installation of tested Vetrotech Saint-Gobain VDSTM fully glazed fire rated fixed partition with 120 minutes of integrity and radiation control (EW 120) with symmetrical (Bi-Directional) fire protection. The frames shall be imported cold rolled Forster profiles from Switzerland using DX52D+Z275-M-A-O steel sheets (As per EN standard EN 10327). The frames are cold rolled from 1.5 mm steel sheet to form a profile of 50 mm x 50 mm on all sides. he system shall be tested as per EN 1364-1 in an international accredited laboratory. The glass should be Contraflam Lite 14mm clear 120 min fire rated for Integrity, Radiation control (EW 120) and partially insulation (EI 20) Non Wired Toughened Interlayered glass with a light transmission of 86% and a sound reduction of 38 dB and manufactured in UL & TUV audited Facility and including UL-EU Certification and compliant to class 1(B)1 category of Impact Resistance as per EN 12600. The glass shall provide bi-directional (Symmetrical) fire protection.						
272	4.31								

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			<p>The glass should be held in its place with the help of 1.5 mm cold rolled steel beading and Kerafix 2000 ceramic tape with cross section of 4 x 15 mm as per the test evidence. Beading shall be clipped on using Stainless Steel self-tapping screws fixed at a distance of 70 mm from the edges and 150 mm c/c henceforth. The glass panes are to be supported on non-combustible 5 mm Calcium Silicate setting blocks. The maximum glazing size shall be as per the test certification. The profile has to be fixed to the supporting construction by means of M10 or bigger steel bolts at every 150 mm from the edges and every 500 mm (approx.) c/c.</p> <p>The Partitions shall offer C4 level of wind resistance when tested as per EN12211 and shall provide class 4 level of air permeability as per EN 1026. The Partitions shall also be tested for class 5 of impact resistance when tested as per EN 13049. The Partitions shall also be tested for class 4 level of Mechanical strength when tested as per EN13115. The Partitions shall have water tightness level of 8A when tested as per EN 1027.</p> <p>The test report will be considered valid only if it contains the stamp and signature of the authorized signatory from Saint-Gobain India Pvt. Ltd.</p> <p>DOOR & PARTITION SIZES: W X H in mm</p> <p>i) D7 : Single Leaf Door : 1200 X 2400</p> <p>ii) D8 : Double Leaf Door with Fixed Partition : 3000 x 2400</p>	EACH	6.00		6.00		0.00
				EACH	2.00		2.00		0.00
273	4.32		SHUTTERS Providing & fixing in position Shaft / cabinet / janitor closet shutters as per following specifications: Hardwood frame : 50 x 50 mm hardwood framework fixed to cabinet opening Core: 50 x 30mm thick hardwood frame , All edges of shutter sealed with 6 mm thick Oak wood edging slip on all sides Finish: Shutter finished in finishing material as follows. Paint shall be appliedTo the wooden framework as per manufacturers specifications. All complete as per specifications, design intent and instructions of the Engineer in charge.	SQUARE METER	20.00		20.00		0.00
			CS-1 : Shutters for Janitor Closet. Shutter finished with 6mm HPL.	SQUARE METER	40.00		40.00		0.00
			CS-2 : Shutters for Electrical DB on 4th Floor Shutter finished in 6 mm HPL with perforations						
			CS-3 : Shutters for Electrical DB on 5th Floor Shutter finished in acoustic board with laser cut design ; Supply and installation Brix Panels with various designs made from safe and friendly Recycled polyester fibre which is thermally bonded without the need for chemical additives or glues.It contains a minimum of 60% post-consumer recycled materials (PET bottleflake) and panels and off-cuts can be recycled.It is used to reduce and control echo noise in building interiors. Density : ISO 1855 2.4 kg /m3. Weight of the panel 7Kg NRC: 0.75 . Thermal performance :R 0.41 @ 15 Degree C. Size of the panel: 1220mm x 2440mm.	SQUARE METER	50.00		50.00		0.00
274	4.33		Providin & Fixing Metallic Doorway as per following specification : Continuous length of Aluminum section 20*20 mm fixed with floor and column surface, Base plate 8 mm aluminum painted in desired shade.	EACH	5.00		5.00		0.00
275	4.34		Providing and fixing Hardware as per following specifications with necessary screws, etc. complete All complete as per specification, drawing, design intent and approved and instruction of the Engineer - In - Charge .						
			a) Concealed Hinge, Mx. Weight 90Kg For 2 Hinge, Opening Angle 180 Degree ref. Hafele cat. 341.18.433	EACH	108.00		108.00		0.00
			b) DCL 55 Door Closer, Adj Back Check, Hold Open Arm ref. Hafele cat. 931.84.819	EACH	27.00		27.00		0.00
			c) Pair of Avior Lever Handle With Rose And Escutcheons ref. Hafele cat.901.79.570, Mortise Cylinder Lockcase 55Mm BS, 72Mm CN, 24Mm SQ FR ref. Hafele cat. 911.02.783, Euro Profile Double Cylinder, 35.5+35.5 = 71Mm, Non-Masterkeyed ref. Hafele cat.916.96.016	EACH	14.00		14.00		0.00
			d) Pair of Avior Lever Handle With Rose And Escutcheons ref. Hafele cat.901.79.570, Mortise Cylinder Lockcase 55Mm BS, 72Mm CN, 24Mm SQ FR ref. Hafele cat. 911.02.783, Euro Profile Double Cylinder, 35.5+35.5 = 71Mm, Non-Masterkeyed ref. Hafele cat.916.96.017	EACH	13.00		13.00		0.00
			e) Floor Mounted Door Stopper, Half Round ref. Hafele cat. 937.55.140	EACH	27.00		27.00		0.00
IV			UPVC DOORS & WINDOWS						
			Sliding Doors & Windows Providing and fixing factory made UPVC white colour Colorfast and conform to EN12608 sliding glazed door Designed as per wind-load (Meet wind-load requirement as per IS 875 - Part III on Sash / Mullion)						

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
276	4.35		<p>comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with (1.20 to 2.5 , 340mpa depending upon wind-load) \pm 0.2 mm thick galvanized mild steel of Jindal steel section made from roll forming process of required length (shape & size according to uPVC profile), Hurricane Bar as per wind-load, appropriate dimension uPVC extruded glazing beads, UPVC extruded interlock and uPVC extruded Inline sash adaptor (if required), TPE/EPDM gasket, wool pile, zinc alloy (white powder coated) Espag Patio -handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) stainless steel (SS 304 grade) body with adjustable double SS rollers (weight bearing capacity to be 80-100 kg), G.I fasteners 100 x 8, 80 x 8 mm size for fixing frame to finished wall PVC packer, PVC caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners with a groove finish, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with PVC packers, weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. Follow the British Standard (BS EN 12608, UK, CEPT Ahmedabad, tested by Central Building Research Institute, Roorkee & Shriram Institute of Industrial Research, New Delhi.. Extruder of the profile and the window manufacturer should be one and the same.</p> <p>Two Track Two Panels Sliding Door made of (Frame 65 x 58, Sash 45 x 90) mm having wall thickness of 2.3 ± 0.2 mm and double glazing bead of appropriate dimension. Pleated mesh shall be provided as required</p> <p>Glass shall be Double Glazing Unit Both Side Toughened Glass as per requirements</p>	SQUARE METER	70.00		70.00		0.00
277	4.36		<p>Casement Door / Window: Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) . Frame T/M Joint between fixed & openable windows will be as per wind load extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel of Jindal steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, TPE/EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement Espag handles with zinc plated mild steel multi point locking having transmission gear, with keeps, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, pvc packers, pvc caps and necessary stainless steel screws, etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners with a groove finish, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with PVC Packer, weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge.. Extruder of the profile and the window manufacturer should be one and the same.</p>	SQUARE METER	55.00		55.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
			Casement window with 5.5 friction hinges (350 x 19 x 1.9) made of frame 68 x 65 mm, sash 45 x 80 mm all having wall thickness of 2.3 ± 0.2 mm and double glazing bead of appropriate dimension. Pleated mesh shall be provided as required Glass shall be Double Glazing Unit Both Side Toughened Glass as per requirements						
278	4.37		Fixed Window Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) . Frame T/M Joint between fixed & openable windows will be as per wind load extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel of Jindal steel section made from roll forming process of required length (shape & size according to uPVC profile), UPVC extruded glazing beads of appropriate dimension, TPE/EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement Espag handles with zinc plated mild steel multi point locking having transmission gear, with keeps, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, pvc packers, pvc caps and necessary stainless steel screws, etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners with a groove finish, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with PVC Packer, weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge.. Extruder of the profile and the window manufacturer should be one and the same. Fixed Window made of frame 118 x 58 mm all having wall thickness of 2.3 ± 0.2 mm and double glazing bead of appropriate dimension Glass shall be Double Glazing Unit Both Side Toughened Glass as per requirements	SQUARE METER	110.00		110.00		0.00
V			SUB HEAD B : WATER SUPPLY						
279	5.1		Providing,fixing,joining, testing & comissioning in position flowguard CTS-SDR 13.2, CPVC Pipes conforming to IS:15778-2007, ASTM D-2849,UV resistant,suitable in concealed or exposed works,complete with all necessary fittings i.e. elbows, tees, bends, couplers, reducers, unions, plugs, clamps at every 1mt. CPVC pipes & GI/CP i.e. brass adopter (both male & female threaded tee/elbows/couplers)including jointing the pipe & fittings by solvent cement as per ASTM F 493 & by Teflon Tape on threaded ends including cutting chases & making good the walls & properly clamped.(As directed by Engineer-in-charge) All termination point for installation of faucets shall have brass terminals fittings including building expansions loop wherever pipe crosses expansion joints & thermal expansion loop for Hot water distributions,complete as required by the Engineer in-charge for proper completion of work. -Supreme make.						
			a) 15 mm outer dia	RUNNING METER	15.00		15.00		0.00
			b) 20 mm outer dia	RUNNING METER	250.00		250.00		0.00
			c) 25 mm outer dia	RUNNING METER	80.00		80.00		0.00
			d) 32 mm outer dia	RUNNING METER	25.00		25.00		0.00
			e) 40 mm outer dia	RUNNING METER	5.00		5.00		0.00
280	5.2		Providing & fixing brass gun metal lever operated ball valve. Tested to a pressure of 15 Kg / Sqcm. Including flanges/union, nuts, bolts, washer etc. Complete as required.						
			a) 15 mm dia	NUMBER	2.00		2.00		0.00
			b) 20 mm dia	NUMBER	17.00		17.00		0.00
			c) 25 mm dia	NUMBER	6.00		6.00		0.00
			d) 32 mm dia	NUMBER	6.00		6.00		0.00
281	5.3		Providing & fixing 6mm thick nitril rubber insulation on hot water pipes-15 to 25 mm dia pipes burried inside walls.	RUNNING METER	100.00		100.00		0.00
VI			DRAINAGE (SOIL, WASTE & VENT PIPES)						

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
282	6.1		Providing, fixing, jointing and testing in position of ISI marked UV stabilized PVC pipes for soil, waste and vent, Type-B as per IS : suitable for rubber ring joints, including all necessary specials and fittings (confirming to IS:) i.e. bends, tees, junctions (with or without doors), reducers, end caps,couplers, cowl, clamps, rubber rings, clean outs etc. fixing at wall/ ceiling/ floor level supported by clamp & hangers etc. in concealed / inside duct / under floor & basement ceiling / external work etc. including chase cutting,cutting of RCC slab as required, excavation and back filling in all kind of soils, suspended from floor under false ceiling including cost of shuttering for proper completion of the work, breaking and making good the walls and floors etc. after pipes have been duly laid and tested.						
			The Pipes will be supported with threaded G I rods & clamps on 50x50x5 mm slotted angle. The cost will include all support arrangements. The work includes commissioning of all pipes lines as per drawings and specifications and as directed by engg-in-charge at site.-Supreme make.						
			a) 75 mm outer dia	RUNNING METER	15.00		15.00		0.00
			b) 110 mm outer dia	RUNNING METER	120.00		120.00		0.00
283	6.2		Providing and laying 1:2:4 cement conc. 100 mm thick all round the pipe including 100mm thick bed concrete for the following M.S./C.I./C.I. class L.A./PVC pipes and specials below floor including necessary shuttering etc. complete as required.						
			a) 75 mm dia pipe	RUNNING METER	15.00		15.00		0.00
			b) 100 mm dia pipe	RUNNING METER	110.00		110.00		0.00
284	6.3		Providing, fixing, jointing and testing in position ISI marked (IS:4985) PVC pipes -Class III with fitting for waste pipe from fixtures to floor trap including reduces, enlarger, socket, couplers, bends, tees etc including fixing at wall/ ceiling level supported by clamp & hangers etc. cutting holes in wall/ floors/ slabs and making good the same with cement concrete 1:2:4 complete as required.-Supreme make.						
			a) 40 mm outer dia	RUNNING METER	50.00		50.00		0.00
			b) 50 mm outer dia	RUNNING METER	40.00		40.00		0.00
285	6.4		Providing & fixing PVC Floor trap of self cleansing design with CP Jali complete in all respects. (Make : Supreme / Finolex / Prince).-Multitrap.Floor drain model Kohlar no. 7275IN-BN.						
			a) 100 mm inlet and 100 mm outlet.	NUMBER	25.00		25.00		0.00

Sl No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
			b) 100 mm inlet and 75 mm outlet.	NUMBER	10.00		10.00		0.00
286	6.5		Providing and fixing G.I. clean out plug with suitable inlet key for opening male threaded joint with GI pipe & socket. Including dripseal to CI pipes or CI class LA pipes complete as required.	NUMBER	8.00		8.00		0.00
287	6.6		Providing & fixing 110mm x 50mm waste with PVC reducer including cutting chases in floor, cutting RCC slab complete as required.Floor drain model Kohlar no. 7275IN-BN.	NUMBER	10.00		10.00		0.00
VII			INTERIOR & FURNISHING WORKS						
			I FALSE CEILING						
288	7.1		Providing and fixing Fixed in Situ non load bearing Aluminium Frame Work for Wooden Ceiling , POP Ceiling: Framework of mainly extruded. Aluminium section 14 guage 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work @ 600 mm centre to centre both ways. Suitable hangers and "L" angle screw fixed to the beam/wall/partition with nylon sleeves and screws at not exceeding 510mm c/c (centre to centre). (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account)	KILOGRAM	4,925.00		4,925.00		0.00
289	7.2		Providing & fixing Seamless Ceiling with 8 mm Hilux Calcium Silicate Board at all height including providing & 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 & 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 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 Raw plugs at 450mm centre, 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 & 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.	SQUARE METER	500.00		500.00		0.00
290	7.3		Providing and fixing to framework, BWR Ply base as per following specifications: 12 mm th. marine Ply fixed with fully threaded parallel shank screws at max.230 mm c/c both ways.	SQUARE METER	1,100.00		1,100.00		0.00
291	7.4		Providing and fixing BWR Ply as Second Skin on false ceiling ply base as per following specifications: 6 mm th. Marine Ply fixed with suitable adhesive & fully threaded parallel shank screws at max. 230 mm c/c both ways with grooves of size 6mm x 6mm or as per design intent / drawing.	SQUARE METER	1,040.00		1,040.00		0.00
292	7.5		Providing and fixing to framework, Perforated Accoustic Tile as per following specifications: 12 mm th. Perforated Calcium Silicate Board of size 610 x 1200mm. Board fixed with fully threaded parallel shank screws at max.230 mm c/c both ways.	SQUARE METER	50.00		50.00		0.00

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293	7.6		Providing & fixing to Ply base, dummy beams or elsewhere Decorative Veneer Ply as per following specifications: 3.5 - 4.0 mm thick Decorative Teak veneer ply of group match, making grooves, including protecting with two coats of sealer and two coats of polyurethane matt finish.						
			a) WD-01 : Figured Ash , Open grain finish refer Catalogue Green Decowood - 7014 -in Common areas	SQUARE METER	240.00		240.00		0.00
			b) WD-02 : American White OAK, Open grain finish refer Catalogue Green Decowood - 7081 - in Dir. Cabin	SQUARE METER	170.00		170.00		0.00
			c) WD-03 : Figured Ash , Sand Blast finish refer Catalogue Green Decowood - 7014 - in Board room	SQUARE METER	80.00		80.00		0.00
294	7.7		d) WD-04 : Dyed Sucupira , Open grain finish refer Catalogue Green Decowood - HD-BX-8406 - in Lunch room	SQUARE METER	110.00		110.00		0.00
			Providing and fixing FC-2 False Ceiling in Sisal Weaved Carpet in executive dining as per following specifications : Acoustic Sisal weaved carpet without backing on false ceiling base using suitable adhesive as per manufacturers' specifications. Basic rate of sisal weaved carpet is Rs. 3200/- per sqm	SQUARE METER	60.00		60.00		0.00
295	7.8		Providing and fixing Backlit Stretch Ceiling System as per following specification: Customized light box with vertical sides made of 25mm blockboard and horizontal back made of 19mm blockboard with cross bracing . Light box suspended from slab / beam using threaded hanger rods. Light box shall have depth of 150 mm and finished inside in white laminate (finish as desired). LED strips shall be fixed at 145mm c/c and shall be 4000k of approved make. The stretched fabric shall be combined with fire retardent material ref. Barisol fire brick. The ceiling shall stretch from end to end using invisible peripheral track ref. barisol cat. Star. For the purpose of payment front visible rectilinear area shall only be measured.	SQUARE METER	40.00		40.00		0.00
296	7.9		Acoustic Ceiling as per following specifications: Supply and installation of Anutone Stretch SLS system consisting of FR Grade Solserene fabric-based membrane with high-performance integrated core and acoustically-transparent face covering of choice colour, size 3/4/5mx75m, stretched by using combination of Anutone Strut CC10 Cross Channel, Anutone Strut SE 25 Tracks, Anutone Strand, Anutone SynthPF 10x10 infill with requisite accessories. The Anutone Strut system includes: Anutone Strut CC10 Cross Channel, fully knurled, sectional thickness 0.55mm, length 3600mm, web 40, depth 10mm and equal flanges of 15mm is fastened to the wall @ 600mm centers. Anutone SE 25 tracks to be installed on Anutone Strut CC10 after applying Stick S7 adhesive on both surfaces for a true and continuous secure grip, and heavy-duty fasteners at 150mm centers on one/both sides of Anutone Strut Tracks. Anutone Strand magnesite bonded pinewoodfibre panels of size 600x1200x15mm, density 400kg/m3, weight 6kg/m2 is installed to Strut CC10 Cross Channel, inbetween tracks by using suitable fasteners. Longer edges of panels should be preferably perpendicular to the Strut CC10.SynthPF 10x10 is adhered on Anutone Strand by using dab spots of Anutone Stick S7 adhesive. This completes the substrate to receive the Stretch SLS acoustical membrane. The Anutone Stretch SLS acoustical membrane of width 3/4/5m is stretched and tucked into the Anutone Strut Tracks and secured to the locking jaws with purpose-specific tucking tools to obtain smooth, taut, wrinkle-free finish. Ensure the weft and weave of the fabric along with the surface are all oriented in one direction to achieve uniform shade. Note: minimum 200mm additional fabric is required for tucking hence maximum module wall fabric width would be 2800/3800/4800mm. Fabric cost shall be @ Rs 500/- per mtr Panels shall be backlined with acoustical infill of Anutone Synth PF 10x50mm thick adhered to the wall using Stick 7 adhesive. Technical Parameters of fabric	SQUARE METER	30.00		30.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
			<ul style="list-style-type: none"> • Fire (Class) – A • Acoustics – na • Thermal conductivity (W/mk)– 0.1 • Climate (°C, RH) – 49, 90 • Light reflectance (%) – Colour Dependant • Green (VoC, RC %) – Low, 25 Technical Parameters of Strand <ul style="list-style-type: none"> • Fire (Class) – 1 & P • Acoustics – NRC 0.97 (For 40mm C50 Mounting) • Thermal conductivity (W/mk)– 0.07 • Climate (°C, RH) – 50, 95 • Light reflectance (%) – 80 • Green (VoC, RC %) – Low, 30 						
297	7.10		<p>Providing & fixing to RCC slab / beam /window sill, jambs , RCC columns, Pelmet and elsewhere 19mm thick PF Block board as per following specifications:</p> <p>Levelling with mirandi wood battens if required.Screw fixing to the battens/ base, 19mm thick Phenol Formaldehyde Block board at 230mm centres. The above surface rendered smooth to receive finish.</p> <p>All complete as per specifications and instructions of the Engineer in charge.</p> <p>Note: Cost of finishing measured under relevant item</p>	SQUARE METER	100.00		100.00		0.00
298	7.11		<p>Providing and fixing suspended False Ceiling in Plaster of Paris as per design in Flat / curvilinear shape</p> <p>Frame work made with GI grade 175 (120 g / m2) channel fixed with steel expansion fasteners as per requirement of the design indicated in the detailed drawing including providing and fixing galvanized chicken mesh fixed with GI screws to and in between main runners. Applying POP (Calcium sulphate semi hydrate variety) to a thickness of not less than 10mm over the XPM finished smooth to line and level. The surface could be in the form of curves, vault, dome, edging or recesses etc. as may be specified or directed. Finally a coat of primer shall be applied followed by a 2 or more coats of plastic emulsion paint (roller finish) of approved shade and make. For light fittings, a/c grills diffusers /return air grills / trap doors etc. cut outs have to be made with suitable frame work. Rectifying all defects, and cracks formed during the construction period before handing over the work complete. The rates shall include for necessary supports, scaffolding, labour. All as per drawing, approval and instructions of the Engineer-in-charge.</p>						
			a) Flat surfaces.	SQUARE METER	400.00		400.00		0.00
			b) Curved surfaces.	SQUARE METER	220.00		220.00		0.00
299	7.12		<p>Providing and making Plaster of Paris Moulding / Cornice of various sizes complete as per drawing and approval .</p>						
			a) Moulding M1,size 150 x 150mm	RUNNING METER	160.00		160.00		0.00
			b) Moulding M2, size 150 x 230mm	RUNNING METER	105.00		105.00		0.00
			c) Moulding M3, size 75 x 100mm	RUNNING METER	200.00		200.00		0.00
			d) Moulding / groove M4, size 12 x18 mm	RUNNING METER	50.00		50.00		0.00
			e) Moulding M5,size 18mm x 25 mm	RUNNING METER	60.00		60.00		0.00
300	7.13		<p>Providing and fixing false ceiling using Moisture Resistant Gypsum Board as per following specifications:Frame work made of special sections, 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 cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction,</p>	SQUARE METER	100.00		100.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
			including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of theEngineer in charge but including the cost of painting in two or more coats with : a) 12.5 mm thick tapered edge gypsum moisture resistant board						
301	7.14		Framework for Wooden/ Conwood False Ceiling Framework to fit site for false ceiling/wall panelling. Framework of mainly extruded Aluminium section 16 guage thick of crossection 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work @ 600 mm centre to centre spacing bothways. Framework to be suitably hung from the slab /beam using hangers suitable for human movement / weight for repair and maintenance.	SQUARE METER		350.00	350.00		0.00
302	7.15		Providing and fixing to false ceiling framework 12mm thick BWR ply using parallel shank screws. Framework to be paid for in the relevant item.	SQUARE METER		350.00	350.00		0.00
303	7.16		Supply & installation of customised stretch fabric ceiling element in printed and approved form backlit with 4000 k led modules - suitable electronic drivers, ply boxing, suspension supports, light fixtures & all fixing accessories	SQUARE METER		50.00	50.00		0.00
304	7.17		Providing and fixing suspended false ceiling in MR ULTRA Gypsum board/approved equivalent as follows: Frame work Shall comprise of providing & fixing G.I. grid using perimeter channel (MF-6A) of size 0.50mm thick having one flange of 19.6mm and another flange shall be of size 29.6mm and a web of 26.6mm along with perimeter of ceiling, screw fixed to the beam/slab, to the required curvature (wherever required)with nylon sleeves and screws at not exceeding 610mm centers. G.I. grid may be placed diagonally / horizontally (as per design intent). Then suspending G.I. intermediate channel (MF-7) of size 45mm, 0.9mm thick with two flanges of 15mm each bent to the required curvature wherever required by cutting both its flanges. Suitable bracing to be provided where ever the flanges are cut with 0.9mm G.I. Flat and nuts and bolts at specific positions and suspended from ceiling at 1220mm centers with ceiling angle of width 25mm x 10mm x 0.50mm thick fixed to soffit with G.I. cleats and steel expansion fasteners. Ceiling section (MF-5) of 0.50mm thickness having knurled web of 51.5mm and two flanges of 25.6mm each with lips of 10.5mm bent to the required profile by cutting both its flanges. Suitable bracing to be provided wherever the flanges are cut with 0.50mm flats. Steel screws, to be fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm centres.	SQUARE METER		150.00	150.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
			Cladding: 12.5mm tapered edge M R Ultra Gypboard or approved equivalent make to be screw fixed to ceiling section with 25mm drywall screws at 230mm centres. The boards are to be jointed and finished which includes filling and finishing the tapered and square edges of the boards with jointing compound and fiber tape suitable for Gypsum board. Finishing: A layer of 3.00mm thickness of Veneer Plaster is applied followed by two coats of top coat (primer) at the face of board to give smooth seamless finish. Rendering surface smooth and clean to receive surface finish. All complete as per specifications, drawings, design intent and instructions of the Engineer - In - Charge.						
305	7.18		Providing & fixing to RCC slab / beam 12.5mm thick MR Ultra gypsum board/ approved equivalent. Cladding: Levelling with mirandi wood battens if required.Screw fixing to the battens,12.5mm tapered edge M R Ultra Gypboard or approved equivalent make at 230mm centres. The boards are to be jointed and finished which includes filling and finishing the tapered and square edges of the boards with jointing compound and fibre tape suitable for Gypsum board. A layer of upto of 3.00mm thickness of Veneer Plaster shall be applied followed by two coats of top coat (primer) at the face of board to give smooth seamless finish. After all the above surface rendered smooth to receive finish. All complete as per specifications and instructions of the Engineer - In - Charge. For the purpose of payment net finished cubic content of the wood shall be calculated.	SQUARE METER		25.00	25.00		0.00
306	7.19		Providing & fixing Canadian wood - western Hemlock of approx. finished section 75mm x 300mm fixed at 450 mm centre to centre distance or as instructed as per design intent. Wood shall be protected with two coats sealer and two coats of melamine polish. All complete as per specifications,drawings and instructions of the Engineer - In - Charge.	CUBIC METER		4.00	4.00		0.00
307	7.20		Providing & fixing Canadian wood - western Hemlock of approx. finished section 75mm x 300mm fixed at 450 mm centre to centre distance or as instructed as per design intent. Wood shall be protected with three coats of Monocoat oil. All complete as per specifications,drawings and instructions of the Engineer - In - Charge. For the purpose of payment net finished cubic content of the wood shall be calculated.	CUBIC METER		4.00	4.00		0.00
308	7.21		Providing and fixing conwood eaves & ceiling including accessories as required complete in all respects as per manufacturers specification. Lath (11 x 76 x 3050mm), Eave (22x235x3050mm), Ceiling border (14 x 1001 x 3050). Finally polishing the same.	SQUARE METER		150.00	150.00		0.00
309	7.23		Providing and applying Plaster of paris to false ceiling framework as per design in linear / curvilinear shape. Frame work made with GI grade 175 (120 g / m2) channel fixed with steel expansion fasteners as per requirement of the design indicated in the detailed drawing including providing and fixing galvanized chicken mesh fixed with GI screws to and in between main runners. Applying POP (Calcium sulphate semi hydrate variety) to a thickness of not less than 10mm over the XPM finished smooth to line and level. The surface could be in the form of curves, edging or recesses etc. as may be specified or directed. Finally a coat of primer shall be applied followed by a 2 or more coats of plastic emulsion paint (roller finish) of approved shade and make. For light fittings, a/c grills diffusers /return air grills / trap doors etc. cut outs have to be made with suitable frame work. Rectifying all defects, and cracks formed during the construction period before handing over the work complete. The rates shall include for necessary supports, scaffolding, labour. All as per drawing, approval and instructions of the Engineer in charge.	SQUARE METER		100.00	100.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
310	7.24		Tensile Fabric over Roof and Wall Desgin drawing & shop drawings and their approval by engineer-in-charge. Supply, fabrication and installation of MS frame consisting of MS columns , frame pipes , base plates, stiffners,normal anchors, etc . The frame shall be welded and grinded to smooth finish as per design drg . Painting -The MS frame shall be cleaned of rust and oil/grease deposit. The frame shall be painted with one coat of primer and 2 coats of PU paint. Providing & fixing of PVC coated fire reatadant tensile fabric silver colour with 10 years pro-rata warranty from manufacturer and with fixing accessories.	SQUARE METER		53.90	53.90		0.00
311	7.25		PVC Panels for Ceiling & Wall Providing & fixing of 10mm thick multi wall PVC panels for interior cladding on duly primered & painted MS support structure including accessories as per manufacturers specification	SQUARE METER		29.74	29.74		0.00
II PARTITION & WALL PANELLING									
312	7.26		Providing and fixing Aluminium Frame Work for Partitions / Wall panelling as per following specifications : a) Aluminium Frame Work for Partitions : Framework of mainly extruded. Aluminium section 12 guage 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work @ 600 mm centre to centre both ways. b) Aluminium Frame Work for Panelling : Framework of mainly extruded. Aluminium section 12 guage 50 mm x 25mm, and angle 25mm x 25mm x 3mm thick frame work @ 600 mm centre to centre both ways. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account). The weight of aluminium extruded section shall be taken for purpose of payment.	KILOGRAM	5,515.00		5,515.00		0.00
313	7.27		Providing and fixing to straight partition / panelling framework, First Skin as per following specifications: Fixed with fully threaded parallel shank screws at max. 230mm c/c both ways on the framework. Joints staggered on either sides of the partitions to avoid through joints. All complete as per specifications, drawings, design intent and instructions of the Engineer in charge.						
			a) 12mm thick Fibre Cement Board. Boards are non-combustible heavy duty fire resistant boards as per BS-476, Part 4,5,6&7 of size 3050mm x 1220mm with 12mm wide grooves as per design intent. Ref. Everest	SQUARE METER	1,690.00		1,690.00		0.00
			b) 6mm thick Flexiply	SQUARE METER	20.00		20.00		0.00
			c) 12 mm th. Perforated Acoustic Calcium Silicate Board of size 610 x 1200mm. Board fixed with fully threaded parallel shank screws at max.230 mm c/c both ways.	SQUARE METER	150.00		150.00		0.00
314	7.28		Providing and fixing Second Skin on existing straight partition /panelling as per following specifications: Fixed with suitable adhesive & fully threaded parallel shank screws at max. 230mm c/c both ways. Joints staggered on either sides of the partitions to avoid through joints. Providing grooves of size 6mm x 9mm or as per design intent as specified below or as instructed. All complete as per specifications, drawings, design intent and instructions of the Engineer in charge.						
			a) 12mm thick Fibre Cement Board. Boards are non-combustible heavy duty fire resistant boards as per BS-476, Part 4,5,6&7 of size 3050mm x 1220mm with 12mm wide grooves as per design intent.Ref. Everest	SQUARE METER	1,000.00		1,000.00		0.00
			b) 6mm thick Flexiply	SQUARE METER	20.00		20.00		0.00
			c) 9mm thick Marine ply .	SQUARE METER	690.00		690.00		0.00
315	7.29		Providing and fixing straight line Wood work in Frames of false ceiling, wall panelling, partition as vertical and horizontal supports for overhead storage's, white boards, art works LCD screens etc. including fire retardant paint etc. of locally best available. All complete as per specifications and instructions of the Engineer in charge. a) Mirandi Wood for concealed frames	CUBIC METER	2.00		2.00		0.00
316	7.30		Providing and fixing straight line American White Oak for exposed frames of false ceiling, wall panelling, partition as vertical and horizontal supports for overhead storage's, white boards, art works LCD screens etc. including fire retardant paint etc. of locally best available. All complete as per specifications and instructions of the Engineer in charge.	CUBIC METER	2.00		2.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
317	7.31		Extra over item no. 2.5 for Weaving Cane Panels as per design. Using Newzealand Genuine cane. Applying coat of silicone with compressor for a clear protective coat.	SQUARE METER	20.00		20.00		0.00
318	7.32		Providing , fixing and finishing in 1.0mm thick Laminate of size 3050mm x 1220mm over full height / free standing partition / wall paneling / doors / elsewhere as instructed. Laminate shade, pattern & surface finish shall be as follows. The direction of Grain of print / texture and grooves shall be as per design intent. The laminates shall be fixed with adhesive of approved quality. Basic rate of laminate Rs. 1500/- per sheet	SQUARE METER	520.00		520.00		0.00
319	7.33		Providing & fixing to curved column or elsewhere as instructed melamine pressed Fleece Backed / 3.5 - 4.0 mm thick Decorative Veneer Ply of group match and of Ash Dyed Black origin, making grooves, including protecting with two coats of sealer and two coats of polyurethane matt finish.						
			a) Fleece Backed, WD-07 : African Ebony , refer Catalogue Green Decowood - 7226 (for Curved Columns)	SQUARE METER	30.00		30.00		0.00
			b) Ply Backed , WD-08 : African Ebony , refer Catalogue Green Decowood - 7226 (for Niche back drop)	SQUARE METER	20.00		20.00		0.00
320	7.34		<p>Acoustic Wall Panelling as per following specifications in sync with Acoustic ceiling design</p> <p>Supply and installation of Anutone Stretch SLS system consisting of FR Grade Solserene fabric-based membrane with high-performance integrated core and acoustically-transparent face covering of choice colour, size 3/4/5mx75m, stretched by using combination of Anutone Strut CC10 Cross Channel, Anutone Strut SE 25 Tracks, Anutone Strand, Anutone SynthPF 10x10 infill with requisite accessories.</p> <p>The Anutone Strut system includes Anutone Strut CC10 Cross Channel, fully knurled, sectional thickness 0.55mm, length 3600mm, web 40, depth 10mm and equal flanges of 15mm is fastened to the wall @ 600mm centers. Anutone SE 25 tracks to be installed on Anutone Strut CC10 after applying Stick S7 adhesive on both surfaces for a true and continuous secure grip, and heavy-duty fasteners at 150mm centers on one/both sides of Anutone Strut Tracks.</p> <p>Anutone Strand magnesite bonded pinewoodfibre panels of size 600x1200x15mm, density 400kg/m3, weight 6kg/m2 is installed to Strut CC10 Cross Channel, inbetween tracks by using suitable fasteners. Longer edges of panels should be preferably perpendicular to the Strut CC10.SynthPF 10x10 is adhered on Anutone Strand by using dab spots of Anutone Stick S7 adhesive. This completes the substrate to receive the Stretch SLS acoustical membrane.</p> <p>The Anutone Stretch SLS acoustical membrane of width 3/4/5m is stretched and tucked into the Anutone Strut Tracks and secured to the locking jaws with purpose-specific tucking tools to obtain smooth, taut, wrinkle-free finish. Ensure the weft and weave of the fabric along with the surface are all oriented in one direction to achieve uniform shade. Note: minimum 200mm additional fabric is required for tucking hence maximum module wall fabric width would be 2800/3800/4800mm. Basic rate of fabric shall be Rss. 500/- per sq.mtr.</p> <p>Panels shall be backlined with acoustical infill of Anutone Synth PF 10x50mm thick adhered to the wall using Stick 7 adhesive.</p> <p>Technical Parameters of fabric</p> <ul style="list-style-type: none"> • Fire (Class) – A • Acoustics – na • Thermal conductivity (W/mk)– 0.1 • Climate (°C, RH) – 49, 90 • Light reflectance (%) – Colour Dependant • Green (VoC, RC %) – Low, 25 <p>Technical Parameters of Strand</p> <ul style="list-style-type: none"> • Fire (Class) – 1 & P • Acoustics – NRC 0.97 (For 40mm C50 Mounting) • Thermal conductivity (W/mk)– 0.07 • Climate (°C, RH) – 50, 95 • Light reflectance (%) – 80 • Green (VoC, RC %) – Low, 30 	SQUARE METER	90.00		90.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
321	7.35		<p>Providing and fixing Aluminium Glazed Partition using extruded aluminium profiles and glass as follows:</p> <p>Frames:</p> <p>Frames of Extruded aluminium profiles with 20mm Face Width and 45mm Depth. Extruded Aluminium built up sections confirming to alloy 63400 WP (6063 - T6 alloy) with chemical composition and mechanical properties as per IS:733:1983 and IS 1285:2002.</p> <p>All extruded aluminium profiles shall be powder coated to 50 to 60 microns thickness in approved shade / colour with 10 years warranty of colour fading /peeling off / cracking etc.</p> <p>Hardware & Accessories:</p> <p>All fastening materials complete with Silicone Sealant. Epdm gaskets, weather sealants , fasteners, s.s. screws, masking tape, protective tape, backer rods, etc. complete in all respect.</p> <p>Note:</p> <p>Only Partition to be measured and paid for this item door shall be measured and paid for elsewhere.</p> <p>a) GL-01 : Using 8mm Toughened clear glass</p> <p>b) GL-02 : Using 8mm Toughened Tinted clear glass. Tint / colour of the glass as per approval .</p> <p>c) GL-03: Using 8mm Toughened Tinted clear glass Bent to Shape . Tint / colour of the glass as per approval .</p> <p>d) GL-04 : Using 8mm Toughened clear glass Bent to Shape.</p>	SQUARE METER	150.00		150.00		0.00
				SQUARE METER	135.00		135.00		0.00
				SQUARE METER	30.00		30.00		0.00
				SQUARE METER	20.00		20.00		0.00
322	7.36		<p>Providing and fixing in position Planilaque Toughned Glass as per following specifications: 6mm thk Planilaque glass, Glossy / Matt of various colours ref. St. Gobain Glass or of approved equivalent. Fixing with 3M double sided tape as per manufacturer's specifications. Sealing the edges with transparent silicon sealant bead.</p> <p>a) GL-05 : Planilaque glass</p> <p>b) GL-06 : Planilaque glass with magnetic backing</p>	SQUARE METER	100.00		100.00		0.00
				SQUARE METER	21.00		21.00		0.00
323	7.37		<p>GL-07: Providing and fixing 8mm thick Mirror Panelling with Bevelled edges and MPG (Machine Polished Ground) edges fixed on existing base complete as per design and drawing.</p>	SQUARE METER	15.00		15.00		0.00
324	7.38		<p>Providing and fixing in position customised Clear Float Glass in partition or elsewhere of following thickness and specifications. Exposed edges of glass to be machine transparent ground.</p> <p>a) GL-08 : 11.5mm thick laminated glass. Sandwiched glass with clear toughened glass and fluted toughened glass.(Director toilet, Lunch room)</p> <p>b) GL-09 : 12mm thick clear float toughened glass (EA cabin)</p>	SQUARE METER	50.00		50.00		0.00
				SQUARE METER	10.00		10.00		0.00
325	7.39		<p>Providing , fixing and finishing in 3.5 - 4.0 mm thick Decorative Veneer Ply of group match of size 3050mm x 1220mm over full height / free standing partition / wall paneling / doors / elsewhere as instructed. The direction of Grain of Veneer / texture and grooves shall be as per design intent. The Veneer shall be fixed with adhesive of approved quality. including protecting with two coats of sealer and two coats of polyurethane matt finish.</p> <p>a) WD-01 : Figured Ash , Open grain finish refer Catalogue Green Decowood - 7014 (for use in Common Areas etc.)</p> <p>b) WD-02 : American White OAK, Open grain finish refer Catalogue Green Decowood - 7081 (for use in Director Cabins etc.)</p> <p>c) WD-03 : Figured Ash , Sand Blast finish refer Catalogue Green Decowood - 7014 (for use in Board Room etc.)</p> <p>d) WD-04 : Dyed Sucupira , Open grain finish refer Catalogue Green Decowood - HD-BX-8406 (for use in Lunch Room etc.)</p> <p>e) WD-05 : Figured Eucalyptus Grey , refer Catalogue Green Decowood. (for use in Visitor Rooms etc.)</p> <p>f) WD-06 : Ash Dyed Black , refer Catalogue Green Decowood. (for use in Visitor Rooms etc.)</p> <p>g) WD-07 : Ventura Interart architectural panels, refer Catalogue Ventura Interart-Hohle-2306 -American Walnut (for use in Doors etc.)</p>	SQUARE METER	250.00		250.00		0.00
				SQUARE METER	450.00		450.00		0.00
				SQUARE METER	45.00		45.00		0.00
				SQUARE METER	32.00		32.00		0.00
				SQUARE METER	200.00		200.00		0.00
				SQUARE METER	75.00		75.00		0.00
				SQUARE METER	15.00		15.00		0.00
326	7.40		<p>Providing and fixing Acoustic Sisal Weaved Mat as per following specifications:</p> <p>Sisal woven mat in rolls without latex backing on wall panelling base using suitable adhesive as per manufacturers specifications.</p>	SQUARE METER	40.00		40.00		0.00
327	7.41		<p>Providing and Fixing Aluminium Profiles (PS-02) as follows:</p> <p>Extruded aluminium profiles for housing light. Profiles shall be powder coated 50 to 60 microns thk in approved shade / colour with 10 years warranty of colour fading / peeling off / cracking etc. pasted/fixed at edges of brickwork and partition walls using M6 countersunk screws@600 mm c/c and with 3M Sealant .</p>	RUNNING METER	180.00		180.00		0.00

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328	7.42		CORIAN CLADDING:- Cladding of 12mm thick Corian of approved shade over 12mm thick MDF surface fixed over hard wood framing including all hardware fire retardant paint etc complete as per Engineer in charge's approval. (Basic rate of corian Rs 750/sft)	SQUARE METER	10.00		10.00		0.00
329	7.43		Providing and fixing Duco painted wood panelling in meeting rooms as per following specification : Base of 9mm thick Marine Ply , finished in 3.5mm thick decorative Veneer ply with open grains. Tapered Ash Wood frames around each panel using section 37mm x 12mm, with hard wood backing. Item includes finishing wall panels in approved water based Interior Matt finish refer cat/ no. ICA, Shade no. A0257G20.	SQUARE METER	40.00		40.00		0.00
330	7.44		Fixed in Situ Partition / Panelling Frame Work: Providing and fixing in position framework to fit site for partitions. Framework of mainly extruded. Aluminium section 16 guage thick of crossection 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work with centre to centre spacing as follows: F1 for straight partitions : using 50x50mm @ 600 mm centre to centre both ways.	SQUARE METER		40.00	40.00		0.00
331	7.45		Providing and fixing in position framework to fit site for partitions. Framework of mainly extruded. Aluminium section 16 guage thick of crossection 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work with centre to centre spacing as follows: F2 for wall panelling/ column cladding : using 35x35 mm @ 600 mm centre to centre both ways .	SQUARE METER		200.00	200.00		0.00
332	7.46		Providing and fixing in position framework to fit site for partitions. Framework of mainly extruded. Aluminium section 16 guage thick of crossection 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work with centre to centre spacing as follows: F3 for wall panelling/ column cladding : using 35x35 mm @ 600 mm centre to centre both ways and creating a gap of 200mm from wall surface using suitable spacers of aluminium section.	SQUARE METER		50.00	50.00		0.00
333	7.47		Extra labour for providing and fixing framework of partitions curved in plan. All complete as per specifications, drawings and the directions of the Engineer-in-charge.	SQUARE METER		50.00	50.00		0.00
334	7.48		Fixed in Situ Partition / Panelling Frame Work: Providing and fixing in position framework to fit site for partitions. Framework of mainly extruded. Aluminium section 16 guage thick of crossection 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work with centre to centre spacing as follows: F1 for straight partitions : using 50x50mm @ 600 mm centre to centre both ways.	SQUARE METER		40.00	40.00		0.00
335	7.49		Providing and fixing in position framework to fit site for partitions. Framework of mainly extruded. Aluminium section 16 guage thick of crossection 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work with centre to centre spacing as follows: F2 for wall panelling/ column cladding : using 35x35 mm @ 600 mm centre to centre both ways .	SQUARE METER		200.00	200.00		0.00
336	7.50		Providing and fixing in position framework to fit site for partitions. Framework of mainly extruded. Aluminium section 16 guage thick of crossection 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work with centre to centre spacing as follows: F3 for wall panelling/ column cladding : using 35x35 mm @ 600 mm centre to centre both ways and creating a gap of 200mm from wall surface using suitable spacers of aluminium section.	SQUARE METER		50.00	50.00		0.00
337	7.51		Extra labour for providing and fixing framework of partitions curved in plan. All complete as per specifications, drawings and the directions of the Engineer-in-charge.	SQUARE METER		50.00	50.00		0.00
338	7.52		Providing and fixing to straight partition /curved partition / paneling framework, First Skin as per following specifications: Fixed with fully threaded parallel shank screws at max. 230mm c/c both ways on the framework. Joints staggered on either sides of the partitions to avoid through joints. All complete as per specifications, drawings, design intent and instructions of the Engineer - In - Charge. 12mm thick BWR Ply. (Net area of board / Ply applied shall be measured for the purpose of payment.	SQUARE METER		300.00	300.00		0.00

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339	7.53		Providing and fixing to straight partition /curved partition / paneling framework, First Skin as per following specifications: Fixed with fully threaded parallel shank screws at max. 230mm c/c both ways on the framework. Joints staggered on either sides of the partitions to avoid through joints. All complete as per specifications, drawings, design intent and instructions of the Engineer - In - Charge. 12mm th. Flexiply. (Net area of board / Ply applied shall be measured for the purpose of payment.	SQUARE METER		50.00	50.00		0.00
340	7.54		Providing and fixing Second Skin on existing straight / curved partition/panelling as per following specifications: Fixed with suitable adhesive & fully threaded parallel shank screws at max. 230mm c/c both ways. Joints staggered on either sides of the partitions to avoid through joints. Providing grooves of size 6mm x 6mm or as per design intent as specified below or as instructed. All complete as per specifications, drawings, design intent and instructions of the Engineer - In - Charge. 6mm thick BWR ply as per design intent. Wherever BWR Ply / Flexiply is applied in more than one layer the joints in each layer shall be staggered. First layer will be screw fixed and subsequent layers shall be screwed as well as glued with suitable adhesive.	SQUARE METER		250.00	250.00		0.00
341	7.55		Providing and fixing Second Skin on existing straight / curved partition/panelling as per following specifications: Fixed with suitable adhesive & fully threaded parallel shank screws at max. 230mm c/c both ways. Joints staggered on either sides of the partitions to avoid through joints. Providing grooves of size 6mm x 6mm or as per design intent as specified below or as instructed. All complete as per specifications, drawings, design intent and instructions of the Engineer - In - Charge. 6mm thick flexiply with grooves as per design intent. Wherever BWR Ply / Flexiply is applied in more than one layer the joints in each layer shall be staggered. First layer will be screw fixed and subsequent layers shall be screwed as well as glued with suitable adhesive.	SQUARE METER		50.00	50.00		0.00
342	7.56		Providing and fixing BWR ply of required thickness for wall lining with necessary screw, priming coat on un-exposed surface complete as per drawing and direction of Engineer-in-Charge. The ply to be fixed to the existing frameowrk /ply at all heights. The work shall be executed as per drawings ,specifications & instructions of engineer in charge. 12mm thick BWR ply (IS303) having approx 18% perforation done randomly with 8mm & 12mm dia holes to be executed as per drawings ,specifications & instructions of engineer in charge.	SQUARE METER		500.00	500.00		0.00
343	7.57		Providing and fixing straight line Mirandi wood work in frames of false ceiling, wall panelling, partitions etc. sawn and put in position, of locally best available. All complete as per specifications and instructions of the Engineer - In - Charge.	CUBIC METER		0.25	0.25		0.00
344	7.58		Extra for additional labour and material for curved Mirandi wood work .	CUBIC METER		0.15	0.15		0.00
345	7.59		Providing and doing infill of 50mm 1000GSM non-woven thermal bonded polyester wadding (Make Dupont/ mikasha/vibrant) held in position with 18 mm GI checken mesh of 24SWG with drive all screws and oversize washers. For the purpose of payment net front area shall be measured.	SQUARE METER		500.00	500.00		0.00
346	7.60		Providing and fixing sisal weaved carpet without latex backing on wall panelling / false ceiling base using suitable adhesive as per manufacturers specifications.	SQUARE METER		500.00	500.00		0.00
347	7.61		Providing and fixing to straight partition / paneling framework, 12.5 mm thick MR Ultra Gypsum Board/approved equivalent with parallel shank screws at 200mm on the framework with joints staggered on either sides of the partitions to avoid through joints. Boards to be jointed & finished so as to have a flush look which includes filling & finishing the taper & squared edges of the board with jointing compound and fiber tape. Finally a layer upto of 3.00mm thickness of Veneer Plaster to be applied to the finished surface of the board to give an even and smooth finished surface. All complete as per specification, drawing, design intent and approved and instruction of the Engineer - In - Charge. For the purpose of payment net front area shall be measured.	SQUARE METER		10.00	10.00		0.00

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348	7.62		Providing and Fixing Pelmets made out of 19mm thick BWR block board complete as per drawing.	SQUARE METER		10.00	10.00		0.00
349	7.63		Providing & fixing to RCC slab / beam /window sill, jambs , RCC columns and elsewhere 19mm thick Phenol Formaldehyde Block board as per following specifications: Levelling with mirandi wood battens if required.Screw fixing to the battens/ base, 19mm thick Phenol Formaldehyde Block board at 230mm centres. After all the above surface rendered smooth to receive finish. All complete as per specifications and instructions of the Engineer - In - Charge. Note: Cost of finishing measured under relevant item.	SQUARE METER		5.00	5.00		0.00
350	7.64		Providing & fixing to curved / straight partition / paneling / doors or elsewhere as instructed melamine pressed Fleece Backed / 3.5 - 4.0 mm thick Decorative Sycamore dyed grey veneer ply of group match and of following origin, making grooves, including protecting with two coats of sealer and two coats of melamine polish. All complete as per specification, drawing, design intent and approval and instructions of the Engineer - In - Charge. For the purpose of payment net area of material applied shall be measured.	SQUARE METER		30.00	30.00		0.00
351	7.65		Providing & fixing to curved / straight partition / paneling / doors or elsewhere as instructed melamine pressed Fleece Backed / 3.5 - 4.0 mm thick Decorative American walnut veneer ply of group match and of following origin, making grooves, including protecting with two coats of sealer and two coats of melamine polish. All complete as per specification, drawing, design intent and approval and instructions of the Engineer - In - Charge. For the purpose of payment net area of material applied shall be measured.	SQUARE METER		100.00	100.00		0.00
352	7.66		Providing & fixing to fibre mounted natural slate sheet making grooves, including protecting with one coat of silicon sealer.	SQUARE METER		80.00	80.00		0.00
353	7.67		Providing and fixing Decorative Glazing with sandwiched brass panels as per following specications: Glazing: 2 x 14.04mm Bevelled (5mm Ex CT+1.52eva+1mm Brass Jali +1.52eva+5mm Ex CT). 1.00mm thick Brass / hammered brass sheet with laser cut tree of life pattern sandwiched	SQUARE METER	4.00		4.00		0.00
354	7.68		Providing and doing insulation in partition as per following specifications: infill of 50mm 1000GSM non-woven thermal bonded polyester wadding held in position with 18 mm GI chicken mesh of 24SWG with screws and oversize washers.	SQUARE METER	500.00		500.00		0.00
III COUNTERS									
			Buffet Counter Dimensions As per drawing Fixture Providing and fixing stainless steel bain marie SERVERY fixture. Details to be added Carcasse 12 guage Aluminium hollow section @ max. 450 mm c/c bothways.Clad with 18 mm th.Phenol formaldehyde block board , 6mm th. BWR Flexiply in 3 layers for the curved parts and balance with 18 mm thick BWR ply. Serve Top Serve top finished in 13 mm th Solid Quartz Ref.Caesar Stone cat. wrapped and turned in single monolithic piece as per design intent . STORAGE: Shutter & shelving made out of 19mm thick phenol formaldehyde Block board. Drawer base, back, sides - 12mm thick BWR ply. Drawer front in double layer, inside of 12mm thickBWR ply, outside 19mm thick phenol formaldehyde block board. Drawers provided with partitions to sort cutlery made of 12mm thick BWR ply(both side laminated). Finish						

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333	7.03		<p>All surfaces visible to the visitor view finished in 18-19mm thick mesh mounted natural stone as mentioned below. Filling the grooves with epoxy grout. Polishing the mesh mounted stone surface. Protecting the stone surface with sealer. All niches from visitor side finished in 13 mm th Solid Quartz Ref.Caesar Stone cat. All edges and corners mitered. All surfaces visible only to service side i.e. Shuttters,both surfaces of the shelves, drawer fronts finished in 1.0 mm thick laminate.Under side of serve top, Drawer inside and visible surfaces of open shelving finished in 0.6 mm th. laminate of black colour.</p> <p>Hardware 100 mm high Stainless steel furniture legs.Drawers running on bottom mounted drawer slides i.e. Four sets of channels Ref Hettich cat.no. 72174 & 75806/7. Drawer & shutters having SS Flush handles ref. Hettich cat.9070138. Two no.s Auto closing Hinges per shutter with Dampner ref. Hettich cat. no.73913+72983+60581.Shelves rest on S.S. Studs.</p> <p>Light Fixture Recess mounted LED Strip lights 12 and 24V, with milky cover, Aluminium section Silver Anodised profiles,18mmx 8.5 mm and 18 x26mm ref. Hafele cat. Loox</p> <p>All complete as per approval and instructions of the engineer in charge</p>	EACH	1.00		1.00		0.00
356	7.70		<p>Buffet Counter Carcasse: 25mm thick block board. All visible sides of carcasse and the open niche finished with laminated slab Ref. Reffin cat. Arcadia of size 1500 x 750 & 9mm thickness. All complete as per drawing and instructions of the engineer-in-charge</p>	RUNNING METER		12.00	12.00		0.00
			STORAGES						
357	7.71		<p>PANTRY STORAGE Dimensions: As shown in drawing. Carcasse: Includes back, sides, top & partitions.16mm thick BWR grade commercial ply both sides laminated. All visible sides laminated in approved colour and counter side in white colour. Shelves : Shelves made of 18mm thick BWR ply with both side white laminate & 0.45mm edge banding. Shuttters: 18 mm thick Exterior grade MDF board.Exterior side laminated with in approved colour Tropical Teak ; Code no. 3153 , Ref. New Mika cat., i-finish/ approved equivalent and counter side in white colour. Granite Top: Storage top provided with 600 mm wide,(length to suit cabinet) min. 18 mm thick pre-polished Granite stone ,Cat's Eye / approved equivalent.Granite with front edge half round.Granite glued to the cabinet top with Araldite or suitable adhesive and having suitable cutout for fixing kitchen sink. Leg Support: 25mm dia pipe stainless steel (304 grade) furniture legs with PVC Levellers at base. Finish: All external surfaces finished in 1.0 mm thick laminate and internal surfaces finished in 0.8 mm thick laminate. Handles & Accessories: 1 no.stainless steel wire Utensil/ cutlery holder to fit in cabinet of approx. size 850 x 620 x 560 mm; Auto closing Hinges 2 nos. per shutter with Dampner ref. Hettich cat. no.73913+72983+60581.; Handles -G Profile running along the entire width of drawer / shutter; 1 no.stainless steel Paper Towel holder with tear off edge;Customised Heavy -Duty -D-Shelf Support (2 nos. per shelf).1 no. 1200 mm long,stainless steel (14 guage)hanging Rod with hooks.1 no.stainless steel wire D-Tray to fit in approx. cabinet size 1070 x 620 x 560 mm - 1 no. stainless steel multi purpose Pull Out basket; 1 no. stainless steel multi purpose Hanging rack(double). Multipurpose Locks for storage shutters / drawers with a set of keys Ref. hettich cat.no. N6100.</p>	EACH		1.00	1.00		0.00

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358	7.72		<p>FREE STANDING LOW HEIGHT STORAGE</p> <p>Carcasse: Includes back ,base and two sides.25mm thick pre laminated board (both sides laminated).Doubled edges by adding 18 mm exterior grade MDF Board to the 25mm thick pre laminated board back. All edges & visible sides of carcasse laminated in approved colour Tropical Teak; Code no. 3153, Ref. New Mika cat., i-finish/approved equivalent / approved equivalent and counter side in white colour. 24 mm high wenge wood skirting.</p> <p>Shelving: 19 mm thick pre laminated board (both sides laminated). One side laminated in approved colourTropical Teak; Code No. 3153; Ref. New Mika cat.; i-finish / approved equivalent and counter side in white colour. All shelves resting on S.S studs. Edge profile matching .</p> <p>Top skirting: Doubled edges by adding 18 mm exterior grade MDF Board to the 25mm thick pre laminated board back.Wrappedin 0.8mm thk. Laminate,on two sides. Shutter: 19mm thick pre laminated board (both sides laminated) with postformed edges. Front side laminated wool ref. Greenlam cat. no.107 /approved equivalent .Counter side in white colour. All vertical edges shall be postformed as per approved profile.All other edges shall be provided with matching PVC edge banding. Grooves in shutter shall be provided and grain direction shall be as per design intent.</p> <p>Handles & Accessories: Shutters having 331 mm long Aluminium handles(one per shutter) ref. Hettich cat.9071082. Four no.s Auto closing Hinges per shutter with Dampner ref. Hettich cat. no.73913+72983+60581.Shelves rest on S.S. Studs.2 nos. tower bolts for every pair of shutters, Multipurpose Locks for storage shutters with a set of keys Ref. hettich cat.no. N6100. All complete as per drawing, approval and instructions of the Engineer- in- charge.</p>	SQUARE METER		5.00	5.00		0.00
359	7.73		<p>Supplying, Installation, Testing & Commissioning of Decorative artwork / Artefacts complete. The contractor shall cater for purchase of items as per selection made by Client / Architect. The Contractor shall purchase items worth Rs. 25,00,000/- maximum or as directed by the owner/architect. The contractor shall produce the bills / vouchers for the same. Cost towards designing the artwork to be included in this cost. All complete as per specification, drawing, design intent and approved and instruction of the Engineer - In - Charge.</p> <p>Note : For this item the contractor shall quote in terms of (%) percentage on the amount indicated in the item towards supply,transportation, handling, installation, testing & profit etc. & should also calculate & mention the quoted amount (basic price of the item plus percentage of contractor). Payment shall be made on producing the bills / vouchers for the purchases made.</p>	LUMPSUM		1.00	1.00		0.00
360	7.74		<p>Providing and fixing Signage. The contractor shall cater for amount of Rs. 6,00,000/-maximum or as directed by owner/architect. The contractor shall produce the bills / vouchers for the same. All complete as per specification, drawing, design intent and approval and instruction of the Engineer - In - Charge.</p> <p>Note : For this item the contractor shall quote in terms of (%) percentage on the amount indicated in the item towards supply,transportation, handling, installation, testing & profit etc. & should also calculate & mention the quoted amount (basic price of the item plus percentage of contractor). Payment shall be made on producing the bills / vouchers for the purchases made.</p>	LUMPSUM		1.00	1.00		0.00
361	7.75		<p>Providing and fixing fabric for upholstery of furniture items (Chairs / sofa). The contractor shall cater for amount of Rs. 3,50,000/-maximum or as directed by owner/architect. The contractor shall produce the bills / vouchers for the same. All complete as per specification, drawing, design intent and approval and instruction of the Engineer - In - Charge.</p>	LUMPSUM		1.00	1.00		0.00

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362	7.77		STORAGE: Carcasce, shutters & shelving made out of 19mm thick phenol formaldehyde Block board. Drawer base, back, sides - 12mm thick BWR Commercial ply. Drawer front in double layer, inside of 12mm thick ply, outside 19mm thick phenol formaldehyde block board. .Wenge wood Skirting of finished size upto 15 mm x 25 mm. Partition above Top : Turned to shape, 38 x 38 mm (18 gauge) M.S. hollow section @ min.2 members longitudinally & vertically @ 450 mm c/c, as per design intent .Clad with 12mm th. Flexiply ply on either side . firmly integrated with the m.s frame .Finished in Metallic laminate -9003 Bronze foil(Ash finish) alround. Ledge for visitors : 12mm x 12mm solid stainless steel frame with fusion caps to fuse to the acrylic granite.12mm th Solid Acrylic Granite Everest E 502 Ref. Corian cat. Back lit Laminate : 12mm x 12mm solid stainless steel frame with fusion caps to fuse to the Translucent laminate Ref. Ventura enterprises Fablam 3023. Turned to shape 40 mm dia stainless steel hollow pipe (14 gauge) will run along the bottom of th translucent laminate. Pelmet for light : Provision for fixing Light and continuous pelmet running along the length. HARDWARE: Two no.s Key board trays,Ref. Innofitt. System Cat No. KD 510.M. SP MT.Drawers running on bottom mounted drawer slides i.e. Three sets of channels Ref Hettich cat.no. 45289 & 75806/7. Drawer & shutters having SS Flush handles ref. Hettich cat.9070138. Two no.s Auto closing Hinges per shutter with Dampner ref. Hettich cat. no.73913+72983+60581.Shelves rest on S.S. Studs. Foot rests for two: 19mm thick BWR grade BWR block board finished with 1.0mm thick laminate. Finish: All surfaces visible only to receptionists' side i.e. Shuttters,both surfaces of the shelves, drawer fronts finished in 1.0 mm thick laminate.Under side of Work top, Drawer inside and visible surfaces of open shelving finished in 0.6 mm th. laminate of white colour. All complete as per	EACH		1.00	1.00		0.00
363	7.78		SD - SECURITY DESK : Dimensions : As per drawing. Structure , Shelf & Footrest : Made out of 19mm thick Block board. TOP: Top made of 10mm thick clear float toughened glass with counter sunk depression for fusion . All edges machine transparent ground. DRAWER: Drawer base, back, sides - 12mm thick BWR ply. Drawer front of 19mm thick Block board. HARDWARE: Drawer running on bottom mounted drawer slide i.e. A set of channels Ref. hettich cat. No. 45289 & 75806/7. Drawer having SS Flush handle ref. Hettich cat. No. 9070138. Shelf resting on S.S. Studs. Four Stainless Steel fusion caps. FINISH : All finished in 3.5 mm thick Sucupira & Cerejera veneer ply as per design intent. All exposed edges of BWP Block board sealed with corresponding veneer ply. All internal surfaces left without finishing material to be finished with spirit polish. All wood work & veneer ply to be protected with 2 coats sealer & 2 coat of polyurethane matte finish. Both surfaces of the shelf, top side of footrest, drawer front finished in 1.0mm thick laminate. Under side of footrest, Drawer inside finished in 0.6mm thick laminate of black colour. All complete as per drawing, approval & instructions of the Engineer-in-charge.	EACH		2.00	2.00		0.00
364	7.79		LT - Lectern : Size as per drawing. Base & structure: Base and structure made of 25x25mm square aluminium pipe duco coated in approved shade clad with 12mm thick flexi ply and finished in veneer ply. Wood and veneer to be finished PU matt finish. Backlit logo of OIL INDIA LTD. made of acrylic to be provided on front side. Top made of 12mm solid acrylic surface of approved colour. All complete as per specifications of the engineer-in-charge.	EACH		1.00	1.00		0.00
365	7.80		Providing & placing in position consoles as per following specifications. Structure made of SS 304 grade sections. Top made of approved Marble polished to a high gloss finish. All S.S. to be of brushed finish. All complete as per specifications, approval, shop drawings and instructions of the Engineer in charge	EACH		6.00	6.00		0.00
366	7.81		WASH ROOM VANITY : Carcass made of 19 BWR board having trap door for maintenance. Vanity to be finished in 6mm thick ceramic tile ref Calcutta cat. Silk / satin using suitable adhesive.	EACH		1.00	1.00		0.00

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367	7.82		Desk on Dias, Foldable, portable : Structure made of MS section clad with 19mm thick BWR board finished in veneer ply. Wood and veneer to be protected with two coats of sealer & two coats of melamine finished. MS sections to be painted in primer and synthetic enamel painted. All complete as per specifications, approval, shop drawings and instructions of the Engineer in charge	EACH		1.00	1.00		0.00
368	7.83		Providing and placing in position Auditorium fixed chair as per approved make or approved equivalent : Supply Installation Testing & commissioning of 550mm/c Fire Retardant fabric (FR Fabric conforming to BS EN 1021&1) upholstered chair conforming to BIFMA standards. The chair to have MS tubular framework welded together with continuous arc welding. The chair shall have powder coating of 65microns on all of the MS tubular framework . The seat shall have Polyurethane foam of density 55+3 KG/Cum & Back to have density of 50+3 Kg/CuM. The height of the back to be 950-1000mm from the ground to top of back & for Seat to be 400-450mm from the ground . The rear of back shell & bottom of seat shell to be Polypropylene plastic in black colour Polypropylene plastic cover. The wooden armrest to be of 80mm & 400mm length with melamie polished in black colour . The armrest between two chairs in a row to be shared & at the both ends to be individual. Including cost of expnasion fastners as required of Hilti/Fischer make. The end chair in the row to have aisle LED light fixture. The chair to be of Make Godrej / Featherlite / BP ergo. The bench shall be fabricated as per drawings ,specifications & instructions of engineer in charge. Cost towards fabric furnishing will be considered in the relevant item.	EACH		94.00	94.00		0.00
369	7.84		Providing and placing in position Dias / Reception chairs with 5 star base lyris suspension seat / back ribbon arms. Frame and base finish graphite. 2.5" castors medium roll massistance. ref.Herman miller cat. Sayl chair	EACH		5.00	5.00		0.00
370	7.85		Providing and placing in position Dining chairs. Basic rate of chair Rs. 35,000/-	EACH		16.00	16.00		0.00
371	7.86		Providing and placing in position Single seater sofa. Basic rate Rs. 75000/- each	EACH		1.00	1.00		0.00
372	7.87		Providing and placing in position Three seater sofa. Basic rate Rs.210000/- each	EACH		1.00	1.00		0.00
373	7.88		Providing and placing in position Lounge chair with shell, armcap & cushion upholstery in Ivory leather. Base finished in polished aluminium ref. Herman Miller cat. HM Arm chairs bumper chair	EACH		4.00	4.00		0.00
374	7.89		Providing and placing in position center table 1280MM dia and 730mm height. Table top made of plywood and finished in approved colour laminate with rounded . Frame made of cast and extruded laminate ref. Herman Miller cat. HAY AAT 20 table.	EACH		1.00	1.00		0.00
375	7.90		Providing and placing in position centre table. Basic rate Rs. 47150/-	EACH		1.00	1.00		0.00
376	7.91		Providing and fixing moss grass - Red colour as per following specifications : High-class sound absorber made from natural, hand-picked Scandinavian Reindeer Moss designed to cover large surface areas with maximum flexibility in shape and design. Each element retains its colors, is fire-proof, handmade, natural, absorbs & releases humidity to remain soft, and is completely maintenance-free.	SQUARE METER		10.00	10.00		0.00
377	7.92		Providing and fixing moss grass - Green Colour as per following specifications : High-class sound absorber made from natural, hand-picked Scandinavian Reindeer Moss designed to cover large surface areas with maximum flexibility in shape and design. Each element retains its colors, is fire-proof, handmade, natural, absorbs & releases humidity to remain soft, and is completely maintenance-free.	SQUARE METER		2.00	2.00		0.00
378	7.94		Providing and fixing in position customised 10mm thick clear float toughened glass in partition or elsewhere of following thickness and specifications. Exposed edges of glass to be machine transparent ground. All complete as per specifications, drawing, design intent and instructions of the Engineer - In - Charge.	SQUARE METER		10.00	10.00		0.00

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379	7.95		Providing and fixing in position customised 12mm thick clear float toughened glass in partition or elsewhere of following thickness and specifications. Exposed edges of glass to be machine transparent ground. All complete as per specifications, drawing, design intent and instructions of the Engineer - In - Charge.	SQUARE METER		35.00	35.00		0.00
380	7.96		Providing and fixing in position customised 12mm thick clear float toughened glass with provision for fittings in partition or elsewhere of following thickness and specifications. Exposed edges of glass to be machine transparent ground. All complete as per specifications, drawing, design intent and instructions of the Engineer - In - Charge.	SQUARE METER		25.00	25.00		0.00
381	7.97		Providing and fixing in position Planilaque glass 6mm thk. of various colours ref. St. Gobain Glass or of approved equivalent. Fixing with 3M double sided tape as per manufacturer's specifications. Sealing the edges with transparent silicon sealant bead. All complete as per specifications, drawing, design intent and instructions of the Engineer-in-Charge.	SQUARE METER		80.00	80.00		0.00
382	7.98		Providing and fixing on glass panes, self adhesive image graphics film without computerized graphic design as per following specifications Ref. 3M Scotchcal Commercial Graphics Cat. Electrocut Crystal films or of approved equivalent make. For the purpose of payment net area applied shall be measured excluding the wastage.	SQUARE METER		10.00	10.00		0.00
383	7.99		Providing and fixing on glass panes, self adhesive image graphics film with computerized graphic design as per following specifications Ref. 3M Scotchcal Commercial Graphics Cat. Electrocut Crystal films or of approved equivalent make. For the purpose of payment net area applied shall be measured excluding the wastage.	SQUARE METER		10.00	10.00		0.00
384	7.100		Providing and doing Melamine paint finish (DUCO) of approved shade on MDF board/ wood work as per manufacturer's technical procedure and following specification:- Applying filler coat followed by stainer coat of approved shade. Applying two coats of sealer. Finish with 2 top coats , sand papering with 1000 no. and 2000 no. paper. Finally polishing with cream. All complete as per specifications, and instructions of the Engineer - In - Charge.	SQUARE METER		20.00	20.00		0.00
VIII CUSTOMIZED FURNITURE									
385	7.101		<p>Providing and placing in position Board Room Table, size as per drawing, and specifications as follows :</p> <p>BASE:</p> <p>38 x 38 mm (18 guage) M.S. hollow section @ max. 450 mm c/c (or as per design intent) along the length(longitudinal direction) of the table and min 175 mm c/c in the transverse direction.Clad with 12mm th. Flexiply and 4mm th MDF with Grooves as per design intent.Base firmly fixed to floor with Dashfastners.Provision for Electrical, LAN, UPS or other services such as audio/ video conferencing. etc.</p> <p>GLASS :</p> <p>Glass top inset in wooden top. 12 mm thick clear float toughened glass with counter sunk depression for fusion. All edges machine polished .</p> <p>Provision of holes in Glass for fixing audio conferencing coin mikes. Glass fixed to base with Stainless steel caps duly fused to the glass top.</p> <p>WOOD TOP:</p> <p>19 x 19 mm (18 guage) M.S. hollow section @ max. 450 mm c/c (or as per design intent) bothways.Clad with 19 mm th Phenol formaldehyde board with Grooves as per design intent.</p> <p>ACCESSORIES:</p> <p>150 x 37.5 mm Stainless steel elements (in exposed part) and Mild Steel (in concealed part) fixed to base with nut & bolt arrangement .Concealed hinges with push open catchers and locking system for trapdoors.</p> <p>TRAP DOORS:</p> <p>Trapdoors made returned to shape 19 mm th Phenol formaldehyde board Clad with 4mm th exterior grade MDF with Grooves as per design intent.</p> <p>FINISH:</p>	EACH	1.00		1.00		0.00

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			Finished in 3.5mm thick decorative veneer ply, Tan wave ocean washed veneer and Anegre veneerply on the Top side and 1.0 mm th. Laminate on the under side.All edges of the veneer ply shall be mitered. Wood & veneer protected by two or more coats of Poly urethane polish.						
386	7.102		Board Room Cabinet:running continuous along width @ max. 450 mm c/c along depth. Carcasse: Made of 19mm th Phenol formaldehyde board . 24 mm high Ash wood skirting. wings base : Base 25 mm th Phenol formaldehyde board over 50 x50 mm 12 guage aluminium framework with edges finished in 100 mm x 40 mm Ash wood edging/ frame . wings Jaali: 25mm thick MDF jaali with CNC Machine , Drawers: Carcasse of drawers of 19 mm th Phenol formaldehyde board.Drawer base, back, sides - 12mm thick BWR Commercial ply. Drawer front in double layer, inside of 12mm thick ply . Hardware: 8 no. Drawers running on bottom mounted drawer slides Ref. Hafele cat.no. Quadro channel , full extention , Silent - 16" . Multipurpose Locks for storage shutters / drawers with a set of keys Ref. hettich cat.no. N6100. Finish: Finished in 3.5mm thick decorative veneer ply,WD-03 : Figured Ash , Sand Blast finish refer Catalogue Green Decowood - 7014 (for use in Board Room etc.). All edges of the veneer ply shall be mitered. Polish: MDF Jaali finished in Monocot white, Wood & Veneer protected by two or more coats of Polyurethane matt. Handles & Accessories: Wooden Handles All complete as per specifications & instructions of the engineer-in-charge.	EACH	1.00		1.00		0.00
387	7.103		Pantry Providing and fixing prefabricated Pantry unit .Cabinets overall 2400 mm high . Comprising of Base cabinets , Wall cabinets , Tall Cabinets, appliances , hardware complete Carcasse for Base Cabinets, Wall cabinets, Tall Cabinet: Carcasse of 18mm th Pralaminated BWR Ply shutters for Base Cabinets, Wall cabinets, Tall Cabinet : 25 mm th moulded MDf with membrane outside and balancing white laminate inside Fillers: 25 mm th moulded MDf with membrane outside and balancing white laminate inside Tall Unit : Tall unit for Built-in-Microwave & Oven with 2 drawers- 1 small, 1 deep with box side below & wooden shelf above. Drawers: Carcasse of drawers base, back, sides - 12mm th Pralaminated BWR Ply Drawer front in double layer, 25 mm th moulded MDf with membrane outside and balancing white laminate inside Shelves: Base cabinet and wall cabinets shall be provided with adjustable wooden shelf of 18mm th Pralaminated BWR Ply Wall cabinet with adjustable wooden shelves 2nos. Plate rack: 25 mm th hardwood (Mirandi) plate rack Hardware: Drawer running on bottom mounted drawer slides Ref. Hafele cat.no. Quadro channel , full extention , Silent - 20" Handles & Furniture Legs : For handles, refer hafele cat. Zinc Alloy , Article No. 110.34.357, C to C size : 160 / 192mm, Finish : NP Brushed. For Furniture legs, refer hafele cat. Article No. 635.48.060 , Size 6"X50MM dia BRU ST LACQ W/LEVLR KIT 6" high Main Sink Cabinet: Water proof Cabinet with Aluminium sheet in addition . with Detergent Holder- SS 304 Grade. Fillers- 60mm, 100mm matching to facia						

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			Appliances : Kitchen Sink , Jayna single bowl (ORACLE Range) Cat. Model . OR-01, Size: 815 mm x 510mm. Induction Hob (2 Burner) - IND32 (30cm) , Make : Kaff Built-in-Microwave- KB 7A Make : Kaff Built-in-Oven - K OV 60 MHF Make : Kaff (a) Pantry -1 (b) Pantry -2 (c) Pantry - 3						
				EACH	2.00		2.00		0.00
				EACH	1.00		1.00		0.00
				EACH	1.00		1.00		0.00
IX BLINDS									
388	7.104		<p>Providing and Fixing of DUETTE Architella HONEYCOMB SHADES Easy rise operating system and Top Up Bottown down as a design option – as per following specifications FABRIC SPECIFICATIONS: • Original Non-woven honeycomb shades having soft fabric appearance and high energy-efficient fabric with high tear strength constructed out of Anti static, resilient, colour fast & Sanitized Treat 100% spun bonded non-woven polyester fiber & precision manufacture to form a hexagonally shaped duette pleat • Pleat dimension ¾"Honeycomb within a Honeycomb" with 3 air pockets for maximum energy efficiency. • Shadings are duotone, with neutral tone facing the exterior and color facing the interior The HEADRAIL shall measure 49.68 wide and 36.66mm deep & thick 1.27mm extruded from 6063 T6 alu. alloy & shall be powder coated to a smooth finish with a thickness of 40 microns. FABRIC shall be constructed from spun-bonded polyester fibre, precision manufactured to form a hexagonally shaped, dual pleat, cellular construction. All cords & cord holes shall be fully concealed inside the fabric structure. As each of the hexagonal cells is formed individually, pleats operate independent of each other providing superior pleat retention & structure strength. INSTALLATION BRACKETS shall be of high tension spring steel suitable for overhead & wall mounting 30mm Duette Hartford mounting bracket.</p> <p>Head rail covered with Sydney Valance of height 80mm made up of Aluminium & L shape moving Rail includes " Click & Engage" method of dimension 50mmX55mm sticked with intergerated moving rail magnets provide a streamlined look, reduce centre light gap, and promote easier operation. POLYESTER CORD shall be 0.9mm in diameter & of woven hollow core ENDCAP shall be molded acrylic color matched to the head & bottom rails. BOTTOM RAIL shall be a single channel section, measuring 30mm wide and 12.5mm deep & thickness 1-1.2mm extruded from 5005 H-16 alu. alloy & shall be powder coated with a smooth finish to a thickness of 15-25 microns. HOLD-DOWN BRACKET (optional) shall be molded in clear acrylic. It incorporates a pin for engagement with the bottom rail end-cap. It shall be suitable for sill, face or side facing. CORD EQUILISER shall be injection molded from impact modified acrylic with a high flexural modulus. Motorized Honey comb blinds, Colour : c96.architella, Style : DUETTE TDBU</p>	SQUARE METER	100.00		100.00		0.00
X ART WORK & ARTIFACTS									
389	7.105		Supplying & Installation of Artwork & artifacts complete. The contractor shall cater for purchase of Artwork & artifacts as per selection made by client / Architect. The Contractor shall purchase lights worth Rs. 2,00,000/-maximum or as directed by the owner/architect. The contractor shall produce the bills / vouchers for the same.	LUMPSUM	1.00		1.00		0.00
XI INTERIOR FIRE & MISC. SIGNAGES.									

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390	7.106		Providing and fixing INTERIOR FIRE & MISC. SIGNAGES . The contractor shall cater for amount of Rs.1,50,000/-maximum or as directed by owner/architect. The contractor shall produce the bills / vouchers for the same. All complete as per specification, drawing, design intent and approval and instruction of the Engineer - In - Charge. Note : For this item the contractor shall quote in terms of (%) percentage on the amount indicated in the item towards supply,transportation, handling, installation, testing & profit etc. & should also calculate & mention the quoted amount (basic price of the item plus percentage of contractor). Payment shall be made on producing the bills / vouchers for the purchases made.	LUMPSUM	1.00		1.00		0.00
XII MODULAR FURNITURE									
391	7.107		PA / EA Cabins Workstation :						
			Providing and Fixing the following in PA / EA Cabins:						
			Curvilinear Workstation 1500 L x 1500 W x 1200mm Ht , Frame is 50 mm thick and made of Aluminium Extrusions of 1.2 mm to 1.5mm thickness. The System is complete hollow system with space for wire reticulation . All the frames will be duly powder coated . All the frames are fastened together by means of M6 NUTS & BOLTS . All the frames are fitted with M10 leveling bolts.board.Raceway :-The raceway cover are sliding type and are integrally fitting inside frame and are made out of 0.8mm - 1mm thick CRCA steel & powder coated.						
			The electrical raceway can be provided below worktop or above worktop.The partition has two integrated raceway provided one at skirting level and another at the work surface level thus ensuring separation of power and networking cables. The free space available within raceway accommodates power, data and communication cables. The cable can be taken into the Frame from the floor from the bottom. Tiles: Fabric Tile: Constructed out of 5mm thick Medium Density Fiber Board (MDF) and covered with Fabric of choice. Laminate Tile: Made out of 5mm - 8mm thick Pre-laminated Medium Density Fiber Board (MDF)						
			Bottom Row of Steel Tile: Constructed out of 0.8mm CRCA sheet and finished in epoxy powder coating. Can be given with plain / perforations / embossed finishes.Magnetic tile: Constructed out of 0.8mm Galvanized sheet and covered with fabric of choice. Whiteboard marker tiles: Made out of 4mm MDF with 1mm glossy highly wear resistant face laminate . Total thickness is 5mm. Table tops are of 25mm thk Pre-laminated particleboards conforming to IS : 12823 Interior Grade. A						
			II Worktops to have Metal Insets for fixing screws. Specially designed powder coated M.S. brackets having 2mm thickness fixed to the partition frame support the tabletops. Sealed edge in table top are with 2mm thick PVC edge banding on Working side and 0.8mm thick edge banding on non working side. Table tops are supported on 50mm x 50mm metal powder coated legs.						
			(a) Type - A : W 1650 x 1500 x D 600mm	EACH	2.00		2.00		0.00
			(b) Type - B : W 1425 x 1650 x D 520 / 750mm	EACH	19.00		19.00		0.00
Pedestal									
392	7.108		Metal pedestal unit having Dimension 392mm W x 450mm D x 640mm Ht and shall consist of One pencil tray, 2 drawers and one filing box. It is made of prime Quality CRCA 0.8mm thk . It shall be provided with 2 lockable and two free twin wheeled castors. The pedestals shall have central locking mechanism. It has Ball bearing slides for all 3Pull out drawers.The pencil tray shall be made of 2mm moulded HIPS and shall be fitted inside the first drawer. It should freely slide in horizontal direction. The pencil tray shall have necessary compartments (Minimum 3 compartments) for keeping stationary items.	EACH	21.00		21.00		0.00
393	7.109		Providing & Supplying 4 Drawer Vertical Filing Cabinet . Storage made of Mild Steel with Key Lock	EACH	19.00		19.00		0.00

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394	7.110		Providing & Fixing Overhead Wall Cabinet as per following specifications: L 1650mm x D 400mm x H 400mm	EACH	19.00		19.00		0.00
395	7.111		Providing & Fixing Tall Locker as per following specifications: L 400 mm x D 520mm x H 1720mm & L 400 mm x D 520mm x H 1120mm Carcasse of 19 mm th Phenol formaldehyde board Hardware: Multipurpose Locks for storage shutters with a set of keys Finish: Finished in laminate.....	EACH	19.00		19.00		0.00
396	7.112		Providing & Supplying Low Height Cabinet as per following specifications: L 2400 x D 450 x H 1720mm Carcasse: Made of 19mm th Phenol formaldehyde board . 24 mm high Ash wood skirting. Drawers: Carcasse of drawers of 19 mm th Phenol formaldehyde board. Drawer base, back, sides - 12mm thick BWR Commercial ply. Drawer front in double layer Hardware: 3 no. Drawers running on bottom mounted drawer slides Ref. Hafele cat.no. Quadro channel , full extention , Silent - 16" . Multipurpose Locks for storage shutters / drawers with a set of keys Ref. hettich cat.no. N6100. Finish: Finished in laminate Polish: MDF Jaali finished in Monocot white, Wood & Veneer protected by two or more coats of Polyurethane matt.	EACH	14.00		14.00		0.00
397	7.113		Providing & Supplying Rear Rack as per following specifications: L 1740 x D 400 x H 600mm Carcasse: Made of 19mm th Phenol formaldehyde board . 24 mm high Ash wood skirting. Finish: Finished in laminate of approved shade / finish.	EACH	19.00		19.00		0.00
XVIII FURNITURE									
398	8.1		Fully upholstered sofa : RING SOFA 02 Size: 2100 mm (W) x 950 mm (D) x 690 mm (H) Inner structure made out of wood with main frame in solid burma teak wood for a comfortable seat and heavy load. High density foam for extra comfort. Exposed parts in burma teak wood. With oil finish on the burma teak wood. Fabric for upholstery range @ Rs. 5500/- per mtr. Loose cushion with filler, of basic rate Rs.3,000/. Per pc. PU matt finish. Protection with 3M-Scotch Guard. Ref. Sandeep Sangaru cat. Retromodern	EACH	2.00		2.00		0.00
399	8.2		Centre Table - CT1 MARBLE, WHITE OAK AND BRASS DETAILING: Size : 850mm dia x H 455mm 18-20 mm Black Marquina Marble and white Onyx top with bevelled edges. 30 x 6 mm brass edging. Stained oak wood legs with brass shoes. Refer KREA cat. Moon Table.	EACH	2.00		2.00		0.00
400	8.3		Chair - CH1 Channapatna Chair Size: 650 mm (W) x 650 mm (D) x 950 mm (H) Top - Wrightia Tinctoria, Base - Burma Teak, Hardware - Stainless Steel, Finish - Natural Laquer, Color, Indigo, High density foam for extra comfort. Ref. Sandeep Sangaru cat. Channapatna	EACH	2.00		2.00		0.00
401	8.4		Shelving - SH1 Tree Book Shelf Red Size: 650 mm (W) x 650 mm (D) x 950 mm (H) Frame made of bamboo in the form of a tree, with a transparent coat of red laquer. Base is hardwood teak. Ref. Sandeep Sangaru cat. TrussMe	EACH	2.00		2.00		0.00

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402	8.5		Side Table Size: 610 mm (W) x 610 mm (D) x 460mm (H) Handcrafted marble top as per design intent over MDF base and solid brass rod leg supports ref. Anantaya décor cat. Stone carving table white .	EACH	4.00		4.00		0.00
403	8.6		Security Desk - SD1 Size:2120mm (L) x 650 mm (D) x900mm (H) Carcass made of 25mm thick BWR ply. Front facia finished in Lacqured glass. Table top finished in	EACH	2.00		2.00		0.00
404	8.7		Light - L1 Orbit bamboo Lamp Size: 1500 mm (DIA) x 1025 mm (H) Light made with fine strips of bamboo and arcylic which is finished in matt polish. Ref. Sandeep Sangaru cat. Bamboo lights	EACH	2.00		2.00		0.00
405	8.8		Meeting Room Table - TB1 Size : 4530mm (L) X 1200mm (W) X 750mm (H) Cut to shape table top made of 40mm x 40mm 14 gauge MS hollow section framework clad from bottom side using 6mm thick exterior grade MDF board finished in laminate. Top side clad with 25mm thick PF ply finished in 3.5mm thick American walnut veneer ply in chevron pattern of size 10'-0" x 4'-0". Edge of table top to be provided with cut to shape Oak wood / white ash wood moulding of approximate size 75mm x 75mm. Base made using 50 x 8mm MS PVDF finished flat steel sections as per design concept and part base made using 25mm X 25mm powder coated MS Hollow sections clad with 12mm thick ply and finished in veneer ply with provision for wire management with openable trap door for future maintenance purpose.	EACH	5.00		5.00		0.00
406	8.9		Meeting room chairs Herman Miller Setu Chair CQ51MA JHG1HCCNN4W23 #Chr Setu Multipurpose 5-star base std-ht range # lyris suspension seat/bck # ribbon arms # chino frame finish # base finish graphite # 2.5-inch casters hard floors & carpet # bumper none # chartreuse lyris2 seat & back	EACH	97.00		97.00		0.00
407	8.10		Custom Wall Art - Size: 1800 mm (W) x 900 mm (H) Stainless Steel Grade 304 (non Corrosive) Wall art in shampe of Nandi Bull. Finished in Copper , Bronze , Matt Black Nickel and Matt Rose Golf Finish	EACH SET (18 PIECES)	5.00		5.00		0.00
408	8.11		Custom Wall Art Size :- 48"x 24" x 2" World map made out of rusted iron chains created by artist Deval Verma.	EACH	5.00		5.00		0.00
409	8.12		NICHE Size : 1700mm (W) x 400mm (D) x 2800mm (H), Carcass and shelving made of 25mm thick BWR ply finished in teak white oak / teak veneer ply. Wood and veneer to be protected with two or more coats of PU matte finish.	EACH	2.00		2.00		0.00
410	8.13		Herman Miller Sayl Chair AS2YA23PA N2 65 BB 63 63 7314 # work chair ready to assemble/std ht/suspension mid back, # tilt limiter seat angle adjustment # fixed arms, adjustable seat depth # non-adjustable back support # fog base with studio white y-tower # 2.5-inch Standard Carpet Casters # fog suspension back finish # armpad finish fog # seat material: Zen Ash fabric	EACH	22.00		22.00		0.00

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411	8.14		Sayl Chair Sled Chair ASSY SP NG MS 98 79 BK 7344 # Side Chair/Sled Base/Std # suspension back # fixed arm # carpet only glides # metallic silver base finish # studio white back edge finish # green apple back suspension finish # black arm pad # seat fabric zen apple	EACH	34.00		34.00		0.00
412	8.14		Directors Table - TB 2 Size : Table - 2400mm (L) X 1050mm (W) X 750mm (H), Side unit - 1200mm (L) X 500mm (W) X 650mm (H) Table top made of 20mmx20mm 14 gauge MS Hollow section clad on top & sides in 18mm thick PF ply finished in 3.5mm thick decorative veneer ply. Bottom side clad with 6mm thick PF ply and finished in laminate of approved shade. Side unit made of 18mm thick ply finished in veneer ply. Drawers made of 12mm thick BWR plywood. All edges of carcasse, external Carcass (around excluding bottom side) shall be finished in 3.5 mm th. decorative veneer ply. Inside surfaces of drawers shall be finished with 1.0mm thick laminate. , All Drawers shall run on drawer slides Refer Hettich International Cat. Quadro V6 Full extension runner.	EACH	5.00		5.00		0.00
413	8.15		Herman Miller Aeron Chair Mineral AER2B23DW ALP VPR SNA SNA SNA DC1 DVP 23101 # Work Chair New Aeron B Size # Std-Hgt Range # Adj Tit Lim/angle, # Fully Adj Arms, Non-Uphst Armpads # adjustable posturefit SL # frame finish: mineral # chasis/base finish: satin aluminum # casters: braking casters quiet roll tech # armpad finish: dark mial # seat & back suspension material: nelicle 8Z mineral	EACH	7.00		7.00		0.00
414	8.16		CMD & Directors Visitor chair - CH 2 Size : Width: 26", Depth: 22.5", Height: 29" Reclaimed Teak, High-density Foam, Natural Polish and Fabric. Seen here in cotton weave fabric. Ref Brand Baro Crescent cat. Chairs	EACH	24.00		24.00		0.00
415	8.17		Directors Seating Single - S2 Fully upholstered sofa : Size: 750 mm (W) x 950 mm (D) x 690 mm (H) Inner structure made out of wood with main frame in solid burma teak wood for a comformatable seat and heavy load. High density foam for extra comfort. Exposed parts in burma teak wood. With oil finish on the burma teak wood. Fabric for upholstery range @ Rs. 5500/- per mtr.	EACH	10.00		10.00		0.00
416	8.18		Directors Seating Three seater sofa - S3 Fully upholstered sofa : Size: 2100 mm (W) x 950 mm (D) x 690 mm (H) Inner structure made out of wood with main frame in solid burma teak wood for a comformatable seat and heavy load. High density foam for extra comfort. Exposed parts in burma teak wood. With oil finish on the burma teak wood. Fabric for upholstery range @ Rs. 5500/- per mtr. 3nos. Loose cushions with filler, of basic rate Rs.3,000/. Per pc. PU matt finish. Protection with 3M-Scotch Guard. Red Blue Yellow cat. stance sofa	EACH	4.00		4.00		0.00
417	8.19		Directors Seating two seater sofa- S4 (CVO) Fully upholstered sofa : Size: 1500 mm (W) x 950 mm (D) x 690 mm (H) Inner structure made out of wood with main frame in solid burma teak wood for a comformatable seat and heavy load. High density foam for extra comfort. Exposed parts in burma teak wood. With oil finish on the burma teak wood. Fabric for upholstery range @ Rs. 5500/- per mtr. 2nos. Loose cushion with filler, of basic rate Rs.3,000/. Per pc. PU matt finish. Protection with 3M-Scotch Guard. Red Blue Yellow cat. stance sofa	EACH	2.00		2.00		0.00

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418	8.20		Directors Seating Centre Table - CT1 Ref. Red Blue Yellow cat. Slip center table	EACH	6.00		6.00		0.00
419	8.21		Directors Seating Side Tables - ST2 Ref. Red Blue Yellow cat. Suspend II side table	EACH	8.00		8.00		0.00
420	8.22		Directors Seating Side Tables - ST3 Red Blue Yellow, Oak wood set of 2 nesting Tables:	EACH	4.00		4.00		0.00
421	8.23		Inbuilt storage of Size : 4000mm (L) x 400mm (D) x 2400mm (D) Carcasse made of 18mm BWR ply and cut to shape Oak wood sections of approx. size 74mm x 40mm. shelves made of 24mm thick BWR ply. Exposed portion of carcasse and shelves to be finished in oak wood veneer ply. Wood and veneer to be protected with two or more coats of PU matte finish.	EACH	6.00		6.00		0.00
422	8.24		Rear storage Size : 3500mm (L) x 450mm (D) x 2700 (H) Carcasse made of 18mm / 25mm thick BWR ply and oak wood sections of size 63mm x 40mm as per design intent. Exposed portion of cabinet finished in white oak veneer ply. Wood and veneer to be protected with two or more coats of PU matte finish. 15mm x 3mm brass strip to be inserted as per drawing. Open shelves to be provided with LED strip light.	EACH	6.00		6.00		0.00
423	8.25		Tv unit Size : W 1700 X D 460 X H 600 mm Outer frame and legs made out of polished teak or white oak wood with shutters in authentic woven cane material.Finished in PU matt finish. Recycled teak table top . Ref. Cat. Wood N Design , RIO	EACH	6.00		6.00		0.00
424	8.26		CMD Ante room & Directors Lounge Chaise - CH4 Size: 780 mm (W) x 970 mm (D) x 700 mm (H) Lounge Chair with Ottoman - Stainless Steel legs, fabric cladded , soft foam cushioning in lounge and ottoman as well. Ref Stanley cat. Model - Stressless@Consul	EACH SET	5.00		5.00		0.00
425	8.27		CMD ante room & Directors Lounge Side Table - ST 2 Size : 19.5" W x 15" D x 21" H Reclaimed Teak, Natural Polish, designed nest of tables. Ref Brand Baro cat. Tables prod. Nest japanese Style Tables	EACH SET	5.00		5.00		0.00
426	8.28		Visiting Room Sofa - S5 (Directors) Fully upholstered sofa: Size: 2225 mm (W) x 640 mm (D) x 1125 mm (H) Hidden Framework of Kiln dried Pine wood , walnut wood legs as per design. Finishes & Finishing Wood work protected with PU matt. Fabric of basic rate Rs. 3500/- per mtr.Protection with 3M-Scotch Guard.2 no.s Loose cushions with filler of basic rate Rs.2,000/- Per pc, each.	EACH	5.00		5.00		0.00
427	8.29		Visiting Room Sofa - S5 (CVO) Fully upholstered sofa: Size: 1500 mm (W) x 820 mm (D) x 810 mm (H) Hidden Framework of Kiln dried Pine wood , walnut wood legs as per design. Finishes & Finishing Wood work protected with PU matt. Fabric of basic rate Rs. 3500/- per mtr.Protection with 3M-Scotch Guard.2 no.s Loose cushions with filler of basic rate Rs.2,000/- Per pc, each.	EACH	5.00		5.00		0.00
428	8.30		Fully upholstered Chair Size: 788 mm (W) x 889 mm (D) x 1041.5 mm (H) Hidden Framework of Kiln dried Pine wood , walnut wood legs as per design. Ref Brand Baro cat. Chairs Finishes & Finishing Wood work protected with PU matt. Fabric of basic rate Rs. 3500/- per mtr.Protection with 3M-Scotch Guard - 2	EACH	5.00		5.00		0.00
429	8.31		Visiting Room Chair - CH5 Marble and Brass Centre Table: 1500 mm (W) x 660 mm (D) x 350 mm (H) Solid Brass Legs and base mounted with carved white makrana marble with rounded egdes Finishes & Finishing	EACH	5.00		5.00		0.00

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430	8.32		Visiting Room Side Table - ST2 Size: 550 mm (L) x 550 mm (W) x 535 mm (H) Made of hand-hammered brass by the Thathera artisans of Jaipur ref. Anantaya decore cat. Kalash Side Table.	EACH	10.00		10.00		0.00
431	8.33		VESTIBULE Size : Vertical supports made out of brass rod / powder coated MS rod with powder coated 4 mm MS shelves / 6 mm scratchproof unicore laminate with concealed light profile from hafele.	EACH	2.00		2.00		0.00
432	8.34		Reception table : Size : 2100 (L) X 650 (W) X 1050 (H) Carcass made of 18mm / 25mm BWR ply Base finished in 3.5mm thick decorative veneer ply, Visitor panel and top finished in Mobile unit carcasse and drawer fronts made out of 19mm thick BWR board. Drawer body made out of 12mm thick BWR plywood. All edges of carcasse,external Carcasse (alround excluding bottom & top side) , drawer fronts shall be finished in 3.5 mm th. decorative veneer ply. inside surfaces of carcasse and drawers shall be finished with 1.0mm thick laminate	EACH	1.00		1.00		0.00
433	8.35		2 seater + Corner + 2 Seater L Shape Sofa: Size: 2286 mm (W) x 2286mm (W) x 952 mm (D) x 838mm (H) Finishes & Finishing: finished with approved fabric. of basic rate Rs. 2000/- per mtr. Protection with 3M-Scotch Guard . 4 nos Loose cushions with filler of basic rate Rs.1,000/- Per pc, each. Refer Stanley Cat. Model - Fabio	EACH	2.00		2.00		0.00
434	8.36		3 seater sofa Size : 2700mm x 2700mm x 700mm Entire structure framework made out of solid wood cut to shape Oak /Teak wood. Nawar over framework, z - spring, covered with hession cloth. Loose cushion 150mm thick rubber seat, back tapered , 50mm high density foam, covered with 25mm thick polyfill and markeen finished with approved fabric. of basic rate Rs. 2000/- per mtr. Protection with 3M-Scotch Guard .Wood finished in PU.	EACH	2.00		2.00		0.00
435	8.37		2 seater sofa Size :W 1350 x D 655 x H 700 Entire structure framework made out of solid wood cut to shape Oak /Teak wood. Nawar over framework, z - spring, covered with hession cloth. Loose cushion 150mm thick rubber seat, back tapered , 50mm high density foam, covered with 25mm thick polyfill and markeen finished with approved fabric. of basic rate Rs. 2000/- per mtr. Protection with 3M-Scotch Guard .Wood finished in PU. Loose cushion with filler of basic rate Rs.2,000/.	EACH	2.00		2.00		0.00
436	8.38		Wooden and cane Chair: Size : W 550x D 530 x H 925 Chair made out of teak/white oak with authentic wooven cane material in back and seat in upholstered material. Polished in clear PU matt finish. Basic rate of upholstery Rs. 2500/- per Mtr.Ref cat. This and That	EACH	2.00		2.00		0.00
437	8.39		Nest of tables (set of 2) Size : W 550x D 530 x H 550 Structure made of Burma teak wood white oak veneer ply. Top in woven cane as per design intent.	EACH	2.00		2.00		0.00
438	8.40		Center table Size : 900mm dia X 450mm (H) Base made of 19mm thick MS Hollow section framework clad with 12mm thick flexiply and top made of 18mm thick BWR ply finished white oak veneer ply.	EACH	2.00		2.00		0.00
439	8.41		Nest of table (Set of 2) Size : 450mm x 400mm x 500mm Top made of 18mm thick BWR ply finished in oak wood veneer ply and base made of cast aluminium round bars.	EACH	4.00		4.00		0.00
440	8.42		Console Size : 1500mm (W) x 400mm (D) X 1050mm (H) Carcasse and shelves made of 18mm thick BWR ply finished in 3.5mm thick oak veneer ply. 40mm x 40mm Leg supports cut to shape as per design intent.	EACH	2.00		2.00		0.00

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441	8.43		Table for CMD of Size : Table - 2700mm (L) X 1050mm (W) X 750mm (H), Side unit - 1200mm (L) X 500mm (W) X 650mm (H) Table top made of 20mmx20mm 14 gauge MS Hollow section clad on top & sides in 18mm thick PF ply finished in 3.5mm thick decorative veneer ply. Bottom side clad with 6mm thick PF ply and finished in laminate of approved shade. Side unit made of 18mm thick ply finished in veneer ply. Drawers made of 12mm thick BWR plywood. All edges of carcasse, external Carcass (around excluding bottom side) shall be finished in 3.5 mm th. decorative veneer ply. Inside surfaces of drawers shall be finished with 1.0mm thick laminate. , All Drawers shall run on drawer slides Refer Hettich International Cat. Quadro V6 Full extension runner.	EACH	1.00		1.00		0.00
442	8.46		CMD Seating Single - S2 Size : 640 mm (W) x 750 mm (D) x 1125 mm (H) Finishes & Finishing Wood work protected with PU matt. Fabric of basic rate Rs. 3500/- per mtr. Protection with 3M-Scotch Guard. 4 no.s Loose cushions with filler of basic rate Rs.2,000/- Per pc, each. Ref. Red blue, yellow cat. Bian sofa	EACH	2.00		2.00		0.00
443	8.47		CMD Seating Three - S3 Size: 2225 mm (W) x 640 mm (D) x 750mm (H) Hidden Framework of Kiln dried Pine wood , walnut wood legs and base as per design. Finishes & Finishing Wood work protected with PU matt. Fabric of basic rate Rs. 3500/- per mtr. Protection with 3M-Scotch Guard. 6 nos Loose cushions with filler of basic rate Rs.2,000/- Per pc, each. Ref. Red blue, yellow cat. Bian sofa	EACH	1.00		1.00		0.00
444	8.48		Center table Size : 900mm x 900mm x 400mm Cut to shape wooden leg supports, 10mm thick toughened clear float glass top	EACH	1.00		1.00		0.00
445	8.49		Side table Solid Oak Table : Size : 525 mm (W) x 475 mm (D) x 400 mm (H) Turned to shape leg support made of white oak wood. Base and top made of 19mm thick PF board finished in veneer ply. Wood and veneer protected with clear PU. Wood finished in semi gloss finish and top in high gloss laquered finish.	EACH	2.00		2.00		0.00
446	8.50		Side table Size : Dia 600 x H 500 3 Nos. turned to shape leg supports made of white oak wood. A round solid wood top in wood is segmented into drop leaves. Wood finished in semi gloss PU finish . Ref. AKFD Cat. Masharbia	EACH	2.00		2.00		0.00
447	8.51		Cabin divider Cut to shape shelves of size 1500mm x 600mm interconnected at various levels using 12mm dia. PVDF finish MS round bars suitably fixed to floor and ceiling / bottom of slab or beam as per site conditions.	EACH	2.00		2.00		0.00
448	8.52		Recycled teak and Aluminium Table: Size : 900mm dia x 750mm (H) Recycled teak table top. Recycled Cast aluminium table base finished in textured powder coating. Table top PU finished. Ref AKFD Cat. SOHO Table.	EACH	1.00		1.00		0.00
449	8.53		Wooden and cane Chair: Size : W 550x D 530 x H 925 Chair made out of teak/white oak with authentic woven cane material in back and seat in upholstered material. Polished in clear PU matt finish. Basic rate of upholstery Rs. 2500/- per Mtr.	EACH	3.00		3.00		0.00
450	8.58		Set - one table with four chair Table size : 900mm x 900mm x 750mm Top made of 19mm thick ply finished in veneer ply as per image and drawing. Cast aluminium leg support finished in PVDF coating.	SET OF 1 TABLE AND 4 CHAIRS	9.00		9.00		0.00

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451	8.59		Cabinet Size : 1745mm (W) x 600mm (D) X 2950 (H) Carcase shelving, shutters made of 18mm 25mm BWR ply finished 3.5mm thick decorative veneer ply on exposed sides and counter side in 1.0mm thick laminate. Shutters resting on Auto closing Hinges with Dampner ref. Hettich cat. no.73913+72983+60581	EACH	1.00		1.00		0.00
452	8.60		Buffet counter Size : 900mm dia x 900 (H), 4465mm (W) x 750mm (D) X 750 (H) Carcase shelving, shutters made of 18mm 25mm BWR ply finished 3.5mm thick decorative veneer ply on exposed sides and counter side in 1.0mm thick laminate. Counter top finished in ceaserstone in 20mm thick white makrana marble and inlay as per design intent.	EACH	1.00		1.00		0.00
453	8.61		Sunshading Screen Size : 1400mm (L) x 2950mm (H) Frame made of 100mm x 75mm alround and fitted with bamboo jalli as per design intent.	EACH	8.00		8.00		0.00
454	8.62		Console Size : 1500mm (W) x 450mm (D) x 1050mm (H) Leg support and table top finished in indian marble.	EACH	2.00		2.00		0.00
IX ELECTRICAL WORKS									
I RACEWAY									
455	9.1		Supplying & fixing of following sizes of G.I.under floor raceways in 1.6mm thickness in recessed including cutting the wall / floor and making good the same in case of recessed system (For Electrical / Telephone / Datacommunication systems) as required - 150 mm x 50 mm x 1.6mm thick (2 Partitions of 50x50mm)	METER		10.00	10.00		0.00
456	9.2		Supplying & fixing of following sizes of GI Junction Boxes of following sizes 65-90 mm deep(adjustable),for above trunking made of 1.6mm galvanized sheet and 1.6 mm cover made from GI steel sheet, with cover on all four sides: - 150 mm x 150 mm complete as per Legrand Cat No. 6896-10	EACH		4.00	4.00		0.00
II LT Panels & DISTRIBUTION BOARDS									
457	9.3		Supplying & fixing of following 3 teir/row modular double door,three phase & neutral,415 V, IP-42/IP-43 protection sheet steel MCB distribution board on surface /recess,complete with tinned copper insulated busbars,neutral links, earth bars, din channels, detachable gland plates, interconnections, including painting,earthing & with 40/ 63A, 4Pole I/c MCB etc.as required : 24 Module (8module per row and provision for 4pole I/C) & with I/C-40A, 4P MCB 1 No. + 6-32A SP MCBs-18Nos. + 40A, 100mA, DP RCCB-3Nos.	EACH		2.00	2.00		0.00
458	9.4		Design and supply of the following cubicle type 2 mm/1.6 mm thick sheet steel enclosed, (2 mm for body & 1.6 mm for doors) free standing / wall mounted indoor type MV Electrical Panels with dust & vermin proof, hinged and lockable doors complete with inter-connections, 75 mm MS channel, bonding to earth. (suitable for 415V, 3 phase, 4 wire, 50 cycles supply system) including proper labeling of all panels as directed by the consultant (Panels shall be powder coated Siemens grey in colour or as approved).						
			1 Breaker Supply, Fixing, Testing & Commissioning of Existing Main LT Panel + Panel modified						
			(a) 630 Amps, 3P+N MDO (36 kA) Air Circuit Breaker with built in Microprocessor Based Release for over load & short circuit protections including all accessories.	NUMBER	1.00		1.00		0.00
			(b) Digital Dual Source Energy Meter (EM 6436 or equal) with RS 485 Port	NUMBER	1.00		1.00		0.00
459	9.5		(c) ON / OFF / Trip LED Indicating Lamps	SET	1.00		1.00		0.00
			2 SDB - 1 / HVAC / BF						
			i 400 Amps 4P MCCB (36 kA) (with Electronic Trip Unit)	NUMBER	1.00		1.00		0.00
			- Spreaders	SET			2.00		0.00
			- Extended Rotary Operating Mechanism	NUMBER	1.00		1.00		0.00
			iii 1						
			- Digital V A F Meter with built in Selector Switch (EM 6459 or equal), CTs, CT shorting links, R/Y/B LED indicating lamps and control SP MCBs	SET	1.00		1.00		0.00
			iii Outgoing						
			- 400 Amps 3P+N MCCB (36 kA) (with Electronic Trip Unit)	NUMBER	2.00		2.00		0.00
			- Spreaders	SET			4.00		0.00
			- Extended Rotary Operating Mechanism	NUMBER	2.00		2.00		0.00
			iv Enclosure						
			- Fabrication, 500 Amps, TPN Aluminum Bus Bar, PVC Sleeving, Control / Power wiring & hardware.	SET	1.00		1.00		0.00

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460	9.6		3. Supplying the following 18 SWG Distribution Boards (Double Door type - IP 43) . Including proper labeling as directed along with separate Neutral Link for each Phase, Earth link and separate dedicated Earth link in case of UPS Distribution Boards as well as necessary Bus links etc. The distribution boards shall confirm to specifications. Chrome plated panel locks / finger operated knobs shall be provided as per approved GA drawings.						
		a	Flush Mounting Double Door MS Enclosure with 4 Rows to accommodate 39 / 42 MCBs + Incomer (13 / 14 modules per row)	NUMBER	9.00		9.00		0.00
461	9.7		4. Supplying the following MCBs (10 kA) / ELCBs (30 to 300 mA)						
		a	6 - 32 Amps SP MCB (10 kA) (C-Curve)	NUMBER	150.00		150.00		0.00
		b	6 - 32 Amps SP MCB (10 kA) (D-Curve)	NUMBER	120.00		120.00		0.00
		c	40 Amps 4P MCB (10 kA) (D-Curve)	NUMBER	5.00		5.00		0.00
		d	40A 2P RCCB Super Immunized (300mA)	NUMBER	12.00		12.00		0.00
		e	63 Amps 4 Pole RCBO	NUMBER	5.00		5.00		0.00
		f	63 Amps 2 Pole ELCB (100mA)	NUMBER	15.00		15.00		0.00
		g	Blank Plate	NUMBER	70.00		70.00		0.00
462	9.8		5. Supplying PVC moulded Switch Socket Plug Top along with Mounting Enclosure. (IP 66)						
		a	16A, 3 pin, single phase PVC moulded Plug and Switch Socket	NUMBER	2.00		2.00		0.00
		b	32A, 3 pin, single phase PVC moulded Plug and Switch Socket	NUMBER	2.00		2.00		0.00
463	9.9		6. Fixing, Testing & Commissioning of PVC moulded Switch Socket outlet.						
		a	16A, 3 pin, single phase PVC moulded Plug and Switch Socket	NUMBER	2.00		2.00		0.00
		b	32A, 3 pin, single phase PVC moulded Plug and Switch Socket	NUMBER	2.00		2.00		0.00
464	9.10		7. Fixing, Testing & Commissioning of the following Distribution Boards (Double Door type - IP 42). Along with Incoming & Outgoing MCBs / ELCBs / Isolators (complete as required) including duly laminated circuit charts and proper labeling.						
		a	Flush Mounting Double Door MS Enclosure with 4 Rows to accommodate 39 / 42 MCBs + Incomer (13 / 14 modules per row)	NUMBER	9.00		9.00		0.00
B. Cables, Cable Trays & Earthing									
I Cables									
465	9.11		1. Supplying the following 1100V grade XLPE Insulated aluminum conductor armoured cables with FR-LSH Outer Sheath.						
		a	3½ C x 185 SQ MM	RUNNING METER	20.00		20.00		0.00
		b	3½ C x 150 SQ MM	RUNNING METER	400.00		400.00		0.00
		c	3½ C x 50 SQ MM	RUNNING METER	10.00		10.00		0.00
		d	4 C x 16 SQ MM	RUNNING METER	50.00		50.00		0.00
		e	4 C x 10 SQ MM	RUNNING METER	300.00		300.00		0.00
466	9.12		2. Supplying & Laying of the following PVC Insulated Copper Conductor 1100 Volt grade multi core sheathed circular flexible wire including cost of thimbles / lugs insulation tape and crimping etc. complete as required Including terminations.						
		a	3 C x 6 SQ MM	RUNNING METER	25.00		25.00		0.00
467	9.13		Laying and fixing of XLPE insulated aluminum conductor armoured cables FR-LSH Outer Sheath of 1.1 KV grade of size 120 SQ MM to 185 SQ MM on cable tray / surface mounted along with misc. accessories like Cable Ties / Saddles / Cable Tags at both ends of cable etc. including making proper connections as required. (Including providing cable marker as required)	RUNNING METER	400.00		400.00		0.00
468	9.14		Laying and fixing of XLPE insulated aluminum conductor armoured cables FR-LSH Outer Sheath of 1.1 KV grade of size 1.5 SQ MM to 25 SQ MM on cable tray / surface mounted along with misc. accessories like Cable Ties / Saddles / Cable Tags at both ends of cable etc. including making proper connections as required. (Including providing cable marker as required)	RUNNING METER	350.00		350.00		0.00
469	9.15		5. Cable termination of the following XLPE insulated aluminum conductor armoured cables FR-LSH Outer Sheath of 1100V grade including cost of thimbles / lugs, single compression nickel plated brass glands, cables sockets, insulation tape and crimping etc. complete as required.						
		a	3½ C x 185 SQ MM	NUMBER	10.00		10.00		0.00
		b	3½ C x 150 SQ MM	NUMBER	12.00		12.00		0.00
		c	3½ C x 50 SQ MM	NUMBER	15.00		15.00		0.00
		d	4 C x 16 SQ MM	NUMBER	10.00		10.00		0.00
		e	4 C x 10 SQ MM	NUMBER	8.00		8.00		0.00
II Cable Trays									
470	9.16		Providing and fixing the following 14 SWG Perforated Galvanised cable tray along with necessary suspenders (9 MM dia GI) (not more than 1000 MM long) at equal intervals of 900 MM as directed. Including providing cost of angle supports, nuts, bolts, washers and dash fasteners as required. The installation shall be complete in all respects (Please note this is not a ladder type tray, perforated cable tray is to be considered) (All accessories like tees, bends vertical / horizontal shall be factory fabricated and cost of these to be included in the rate. Site fabricated accessories are not acceptable).						
		a	40 x 300 x 40 MM	RUNNING METER	150.00		150.00		0.00
		b	40 x 200 x 40 MM	RUNNING METER	200.00		200.00		0.00
III Earthing									
471	9.17		1. Supplying & fixing of the following tapes / wires including all necessary fixing accessories and effecting connections (As per specifications).						

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471	9.17	a.	25 x 6 MM GI TAPE	RUNNING METER	250.00		250.00		0.00
472	9.18	2.	Providing and drawing the following FR-LSH PVC Insulated Copper Conductor 1100 Volt grade Wire for Earthing including cost of thimbles / lugs insulation tape and crimping etc. complete as required including terminations.						
		a.	16 SQ MM	RUNNING METER	100.00		100.00		0.00
		b.	10 SQ MM	RUNNING METER	600.00		600.00		0.00
473	9.19	3.	Providing and fixing 16 SWG MS enclosure 450x200x75mm deep along with MS Cover. Including providing 2 no. insulated supports, 25x6 mm thick copper strip (Nickel plated) with suitable holes to fix dedicated earth wires complete with lugs. "Dedicated Earth" to be inscribed on the cover of the enclosure.	NUMBER	2.00		2.00		0.00
III POINT WIRING, SWITCHES, SOCKETS & RECEPTACLES									
474	9.20		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	POINT		50.00	50.00		0.00
475	9.21		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.	POINT		40.00	40.00		0.00
476	9.22		Wiring for power plug / industrial socket / light point with 3 X 4 sq mm. FRLS insulated copper conductor, single core cable including connectors in surface/ recessed steel conduit as required and as per above specifications	NUMBER		14.00	14.00		0.00
477	9.33		Wiring to first light points with 2x2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in surface mounted 20/25 mm dia MS conduit / existing GI Trunking as required. Including earthing of fixtures and outlet box with 2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade green earth wire. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (Including providing GI flexible conduit from 'Tee' to fixture).	NUMBER	300.00		300.00		0.00
478	9.34		Wiring to first light points in cove light including looped points with 2x2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in surface mounted 20/25 mm dia MS conduit / existing GI Trunking as required. Including earthing of fixtures and outlet box with 2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade green earth wire. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (Including providing GI flexible conduit from 'Tee' to fixture).	NUMBER	50.00		50.00		0.00
479	9.35		Wiring to looped light points with 2x2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in surface mounted 20/25 mm dia MS conduit / existing GI Trunking as required. Including earthing of fixtures with 2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade green earth wire. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (Including providing GI flexible conduit from 'Tee' to fixture).	NUMBER	650.00		650.00		0.00
480	9.36		Wiring to first two way light points with 2x2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in surface mounted 20/25 mm dia MS conduit / existing GI Trunking as required. Including earthing of fixtures and outlet box with 2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade green earth wire. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (Including providing GI flexible conduit from 'Tee' to fixture).	NUMBER	3.00		3.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
481	9.37		Wiring to looped light points with 2x2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in surface mounted 20/25 mm dia MS conduit / existing GI Trunking as required. Including earthing of fixtures with 2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade green earth wire. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (Including providing GI flexible conduit from 'Tee' to fixture).	NUMBER	3.00		3.00		0.00
482	9.38		Wiring for 6 Amps light plug outlet on Raw Power with 2x2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in concealed or surface mounted 25 mm dia MS conduit / existing GI Trunking as required. Including earthing of the third pin and outlet box with 2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade green earth wire. Including cutting / chasing and making good in brick wall / concrete floor / PCC floor as directed and including providing 20/25 mm dia PVC flexible conduit in Modular furniture as required. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (Please note wiring for One / Twin 6 Amps S.S.O. shall be treated as one point) (No circuit shall be paid extra).	NUMBER	50.00		50.00		0.00
483	9.39		Wiring for 6 Amps switch / socket outlet on UPS with 2x2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in concealed or surface mounted 25 mm dia MS conduit / existing GI Trunking as required. Including earthing of the third pin and outlet box with 2 x 2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade green earth wire. (For Computer requirements) (1 no. Green earth wire for body earth and 1 no. Yellow + Green earth wire for dedicated earth). Including providing 20/25 mm dia PVC flexible conduit in Modular furniture as required. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (Please note wiring for Twin / Triple / Four 6 Amps S.S.O. shall be treated as one point) (No circuit shall be paid extra).	NUMBER	160.00		160.00		0.00
484	9.40		Wiring for 16 A power plug on Raw Power with 2x4 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires concealed or surface mounted 25 mm dia MS conduit / existing GI Trunking as required. Including earthing of the third pin and outlet box with 4.0 sq. mm. FR-LSH PVC insulated copper conductor 1100V grade green earth wire. Including cutting / chasing & making good in brick wall / concrete floor / PCC floor as directed. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (First point 16 Amps S.S.O). (No circuit shall be paid extra) (First Point)	NUMBER	65.00		65.00		0.00
485	9.41		Wiring for 16 A power plug on Raw Power with 2x2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in concealed or surface mounted in 25 mm dia MS conduit / existing GI Trunking as required. Including earthing of the third pin and outlet box with 2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100V grade green earth wire. Including cutting / chasing & making good in brick wall / concrete floor / PCC floor as directed. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (Second point 16 Amps S.S.O).(No circuit shall be paid extra) (Looped Point)	NUMBER	45.00		45.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
486	9.42		Wiring for 16 A power plug on UPS with 2x4 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in concealed or surface mounted 25 mm dia MS conduit / existing GI Trunking as required. Including earthing of the third pin and outlet box with 2 x 4.0 sq. mm. FR-LSH PVC insulated copper conductor 1100V grade green earth wire. (First point 16 Amps S.S.O for UPS). (1 no. Green earth wire for body earth and 1 no. Yellow + Green earth wire for dedicated earth). Including providing 25 mm dia PVC flexible conduit in Modular furniture as required. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (No circuit shall be paid extra) (First Point)	NUMBER	27.00		27.00		0.00
487	9.43		Wiring for 16 A power plug on UPS with 2x2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in concealed or surface mounted 25 mm dia MS conduit / existing GI Trunking as required. Including earthing of the third pin and outlet box with 2 x 2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100V grade green earth wire. Including providing 25 mm dia PVC flexible conduit in Modular furniture as required. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately). (Second point 16 Amps S.S.O for UPS). (1 no. Green earth wire for body earth and 1 no. Yellow + Green earth wire for dedicated earth). (No circuit shall be paid extra) (Looped Point)	NUMBER	84.00		84.00		0.00
488	9.44		Circuit wiring to First switch points / sub circuit with 2x2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade wires in concealed or surface mounted 25 mm dia MS conduit / existing GI Trunking as required. Including earthing with 2.5 sq. mm. FR-LSH PVC insulated copper conductor 1100 V grade green earth wire. Including cutting / chasing and making good in brick wall / concrete floor / PCC floor as directed. (Please note MS conduit / MS Tee / Saddles with Base / Accessories for this item is to be included in the item whereas cost of GI Trunking shall be paid separately).	NUMBER	135.00		135.00		0.00
489	9.45		Providing & fixing 16 SWG single compartment GI Trunking with 16 SWG openable covers at regular intervals along with necessary cable support system as directed including providing & fixing accessories like suitable Clamps, Dash Fasteners, Cable Ties, Gaskets etc. complete in all respects. (All Trunking is to be cleaned thoroughly, before pulling any wires / cables). Including earthing of the trunking with 4 sq. mm. FR-LSH PVC insulated Yellow + Green Copper Earth Wire with proper thimbles. All joints of GI Trunking shall be provided with proper couplers as directed. Including providing 300x300x60 mm deep Junction Boxes as required. (Please note Junction Boxes shall be part of the trunking item and shall not be paid extra).						
			a. 50 x 250 x 50 mm deep	RUNNING METER	150.00		150.00		0.00
			Switches and Receptacles						
			1. Providing & fixing the following switches, 6A socket outlets and 6/16 Amps socket outlets. (Catalogue Nos indicated are Legrand Make - Myrius Series)						
			a. 6 Amps one way switch (673000)	NUMBER	350.00		350.00		0.00
			b. 16 Amps one way switch (673008)	NUMBER	200.00		200.00		0.00
			c. 6 Amps socket shuttered 2/3 pin combined (673044)	NUMBER	370.00		370.00		0.00
			d. 6 Amp /16 Amps socket shuttered 3 pin combined (673083)	NUMBER	200.00		200.00		0.00
			e. TV Outlet (673050)	NUMBER	12.00		12.00		0.00
			2. Providing & fixing the following PVC moulded white cover front plates with frame						
			a. 1 Module front plate (673201)	NUMBER	125.00		125.00		0.00
			b. 2 Module front plate (673202)	NUMBER	35.00		35.00		0.00
			c. 3 Module front plate (673203)	NUMBER	60.00		60.00		0.00
			d. 4 Module front plate (673204)	NUMBER	211.00		211.00		0.00
			e. 6 Module front plate (673206)	NUMBER	160.00		160.00		0.00
			f. Blanking Plate (673061)	NUMBER	160.00		160.00		0.00
			3. Providing & fixing the following 1.2 mm thick GI outlet box.						
			a. 1 or 2 Module (689007)	NUMBER	160.00		160.00		0.00
			b. 3 Module (689008)	NUMBER	60.00		60.00		0.00
			c. 4 Module (689009)	NUMBER	211.00		211.00		0.00
			d. 6 Module (689010)	NUMBER	160.00		160.00		0.00
490	9.46		Supplying & fixing of 6 pin 15/16 amps modular socket outlet with GI box ,grid plate & screw less modular plate ,15 / 16 amps modular switch, including connections etc. as required & as specified above	NUMBER		9.00	9.00		0.00

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491	9.47		Supplying & fixing of 5 pin 6 amps, -2Nos. modular sockets outlet point using 3 Nos. 2.5 sqmm FRLS insulated copper wires with GI box ,grid plate & screw less modular plate , 1 No.6 amps modular switch, 1 No. Blanking Plate, including connections etc. as required & as specified above	NUMBER		5.00	5.00		0.00
492	9.48		Supplying, laying, terminations, testing & commissioning of 4 pair X 0.61 mm PVC insulated, PVC sheathed and taped tinned copper telephone unarmoured cable in existing conduits / Raceways	METER		100.00	100.00		0.00
493	9.49		Supplying, laying, terminations, testing & commissioning of 4 pair UTP Cat - 6 PVC insulated, PVC sheathed tinned copper conductor cable in existing conduits as required / Raceways	METER		100.00	100.00		0.00
494	9.50		Supplying and fixing modular type RJ -11 telephone sockets housed in GI boxes recessed in walls / partitions / panelling for telephone, outlets, including modular grid plate and screw less cover plate complete in all respects and as specified	EACH		4.00	4.00		0.00
495	9.51		Supplying and fixing modular type RJ - 45 UTP sockets housed in GI boxes recessed in walls / partitions / panelling for Data outlets, including modular grid plate and screw less cover plate complete in all respects and as specified	EACH		4.00	4.00		0.00
496	9.52	D. Conduits and Under Floor Trunking for Voice / Data System							
		1. Providing and fixing 16 SWG MS Junction boxes with suitable knockout holes along with cover as per site requirement. Junction Box shall be Powder Coated Siemens Grey in color or as approved. (Please note only L x B shall be considered for measurement).							
		a. 50 mm deep	SQUARE FEET	35.00		35.00			0.00
		b. 75 mm deep	SQUARE FEET	10.00		10.00			0.00
497	9.53	2. Providing and fixing the following Heavy Duty PVC conduits recessed as directed, including chasing / cutting and making good in brick wall / concrete floor / PCC floor as directed.							
		a. 25 mm dia.	RUNNING METER	350.00		350.00			0.00
498	9.54	3. Providing and fixing the following MS conduit surface mounted including MS Tee / Saddles with Base / Accessories as directed.							
		a. 25 mm dia 16 SWG	RUNNING METER	100.00		100.00			0.00
499	9.55	4. Wiring for TV Outlet in 25 mm dia MS conduit with 75 Ohms Coaxial Cable (RG - 6) (up to Shaft Only).							
			NUMBER	22.00		22.00			0.00
500	9.56	5. Supplying and laying of computer cable UTP CAT VI in existing PVC conduit.							
			RUNNING METER	12,000.00		12000.00			0.00
501	9.58	7. Fixing of "Jack" for Voice / Data with 1/2/3/4 Jacks.							
			NUMBER	350.00		350.00			0.00
502	9.59	8. Supplying of CAT VI I/O Jack							
		a. VD 1 (With one no. RJ 45 I/O Jack & face plate)	NUMBER	10.00		10.00			0.00
		b. VD 2 (With two no. RJ 45 I/O Jack & face plate)	NUMBER	120.00		120.00			0.00
		c. VD 4 (With four no. RJ 45 I/O Jack & face plate)	NUMBER	40.00		40.00			0.00
503	9.60	9. Supplying and Fixing of Outlet Box suitable to mount Voice / Data Outlet with 1/2/3/4 Jacks							
			NUMBER	170.00		170.00			0.00
504	9.61	10. Providing & laying the following PVC insulated PVC sheathed, annealed tinned copper conductor 0.6 mm Telephone Armoured Cable							
		a. 20 pair cable	RUNNING METER	50.00		50.00			0.00
505	9.62	11. Supplying, fixing, testing & commissioning of 1.2 mm thick MS tag box , of approved dimension and make, with suitable knockout holes, including providing and fixing of Krone Tags as required, MS boxes may be recessed or surface mounted as directed (including termination of all cables with ferrules at both ends). (Krone make).							
		a. 20 pair Tag boxes.	NUMBER	4.00		4.00			0.00
506	9.63	12. Supplying and laying the following Cables for TV							
		a. RG 11	RUNNING METER	200.00		200.00			0.00
507	9.64	13. Supplying, Receiving, Unloading, Storing, Handling, Shifting to its location & Fixing of 2mm thick Aluminum Extruded Box Channel along with necessary cable support system as directed including providing and fixing accessories like dash fasteners cable ties etc. Complete in all respects. (All Trunking is to be cleaned thoroughly with industrial type vacuum cleaner, before pulling any wires / cables). Including earthing of the trunking with 4 sq. mm. FR-LSH PVC insulated Yellow + Green Copper Earth Wire with proper thimbles. (Cutting / chasing of Floor and making good shall be carried out by Civil Contractor). Please note all under floor Aluminum Trunking shall be properly tapped with masking tape at all joints before PCC is filled into chased bed)							
		a. 40 x 100 x 40 mm deep (for Voice / Data System)	RUNNING METER	200.00		200.00			0.00
508	9.65	14. Supplying, Receiving, Unloading, Storing, Handling, Shifting to its location and Fixing of 16 SWG GI Under Floor Box along with 16 SWG Stainless Steel Cover Plate . (360 x 360mm) (Please note all Junction Boxes are to be covered with thick polythene sheets during construction to prevent any foreign material / 'Malba' from entering the trunking). (All cleaning of underfloor raceways is to be carried out with vacuum cleaner)							
		a. 350 x 350 x 40 to less than 50 mm deep	RUNNING METER	7.00		7.00			0.00
		b. 250 x 250 x 40 to less than 50 mm deep	RUNNING METER	8.00		8.00			0.00
		c. 150 x 150 x 40 to less than 50 mm deep	RUNNING METER	20.00		20.00			0.00
IV/LIGHT FIXTURES									

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509	9.66		Supply, testing and commissioning of following LED Light fixture complete in all respects : Recessed floor spotlight made of anodised die-cast aluminium; roll-over weight up to 2000 kg; optionally with round bezel made of polished stainless steel; no visible screws; recessed floor housing in black, high-strength plastic, available as an accessory; single glass lens, bonded sealed cover in 12 mm safety glass (ESG); optional in +/- 15° ; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colour 3000 K; CRI ≥ 80 ; min. 70 % of the luminous flux after 50000 hours; protection class IP 67; PC I; ambient temperatures from -20°C to + 50°C; Luminaire with integrated converter filled with resin ref. XAL FILO 160 (088-5353515M + 088-5390018) / Simes / BEGA	EACH		16.00	16.00		0.00
510	9.67		Supply, testing and commissioning of following LED Light fixture complete in all respects : 27W Luminaire housing made from extruded aluminium profile with 2000 mm cable suspension freely positionable; height adjustment without tools on luminaire; incl. transparent feeder cable; angular design; no visible screws; surface white powder coated or natural anodised aluminium; LED circuit board with highly reflective coating for improved efficiency;	EACH		16.00	16.00		0.00
511	9.68		inset consisting of converter unit and PCB unit; mechanical and electrical connection without tools using twist closure; HPO (High Performance Opal) cover for uniform illumination; with increased transmission and diffusion; micro prismatic PMMA cover for reducing luminance; energy-efficient LEDs with high colour rendering; available in the light colours 3000 K, 4000 K and 5700 K; CRI > 80 ; min. 90 % of the luminous flux after 50,000 hours; protection class IP 40; PC I; Ref. XAL MINO 60 (i056-3234517H) / Zumtobel / LTS	EACH		32.00	32.00		0.00
512	9.69		Supply, testing and commissioning of following LED Light fixture complete in all respects : 18W Round recessed spotlight made from die-cast of aluminium; fixed or tiltable 18°; improved glare reduction through deep recessed mounting ring; for ceilings from 2-25mm; surface gold powder coated; opal glass optical accessories available; passive cooling of LEDs with optimised heat sink geometry; available in light colours 3000 K, 4000 K and 5700 K; high quality reflector made of pure aluminium; precise radiation characteristics with two different beam angles, Non-Dimmable ref. XAL Clax 80 (i052-6612519F) / Zumtobel / LTS	EACH		55.00	55.00		0.00
513	9.70		Supply, testing and commissioning of following LED Light fixture complete in all respects : 23W / Mtr Midget luminaire profile made from extruded aluminium; uniformly illuminated satinised PMMA cover; plug and play through electrical connector system for toolless mounting; passively cooled LED system; available in 3 light colours; min. 80 % luminous flux after 50,000 operating hours; colour rendering CRI 95, R9 > 90 ; 700 mA converter plug and play; converter separately available Ref XAL Nano+Line / DGA / ALDABRA	METER		350.00	350.00		0.00
514	9.71		Supply, testing and commissioning of following LED Light fixture complete in all respects : 44W Round luminaire housing in die-cast aluminium; surface white powder coated; suitable for wall or ceiling mounting; completely homogeneously illuminated, satinised PMMA cover; same luminance for all flat luminaires; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80 ; min. 90 % of the luminous flux after 50000 hours; luminaire with 2 cable openings and plug-in terminals for through wiring; protection class IP 54; PC I; shock resistance IK07; Dia 600mm ref. XAL SONO 600 IP54 (871-9156170)/ Simes / Bega	EACH		3.00	3.00		0.00
515	9.72		Supply, testing and commissioning of following LED Light fixture complete in all respects : Customised suspended Hexagonal shape; 2 ft long each arm; 14W per arm, Non-Dimmable, White Finish, 4000K ref. XAL Mino 60 (customised)	EACH		2.00	2.00		0.00
			1. Supplying Fixing, Testing and Commissioning of the following light fixtures including Reflectors and LED Lights etc. (complete with necessary fixing suspenders and connectors + accessories as directed) Fixing arrangement including providing nuts, bolts, washers and dash fasteners as required. The installation shall be complete in all respects. (Samples of all lighting fixtures shall be submitted for Approval of the Owner / Architect before ordering).						

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516	9.73	a.	16W Recessed Mounted LED COB Downlighter with high efficacy, Output: 1200lm, Beam Angle: 16°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Remote (Non-dimmable), Ref Wipro LD56-251-016-40-XX or approved equivalent	EACH	63.00		63.00		0.00
		b.	20W vertical recessed light luminaire with extruded white powder coated aluminium housing and satin finish PMMA diffuser of length 1200mm, Output: 1900lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Builtin (Non-dimmable), Ref. Wipro LM34-251-XXX-40-RMCG1 or approved equivalent.	EACH	60.00		60.00		0.00
		c.	18W ceiling recessed fixed type glare less COB LED downlight with chrome finish reflector, Output: 1440lm, Beam Angle: 38°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Remote (Non-dimmable), ref. Wipro D171840 or approved equivalent.	EACH	190.00		190.00		0.00
		d.	21.9W Wall washer luminaire with asymmetric lens system of 1500mm length, Output: 1800lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Remote (Non-dimmable), ref. ENDO Tsuki LED Strip with asymmetric wall washer luminaire: ref. ENDO Tsuki LED Strip with asymmetric wall washer luminaire:	EACH	10.00		10.00		0.00
		e.	30W Up-Down light distribution luminaire with extruded white powder coating aluminium housing and satin finish PMMA diffuser of length 1200mm, Output: 2500lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Remote (Non-dimmable), Warranty: ref. Wipro LM34-361-XXX-40WCG1 or approved equivalent.	EACH	56.00		56.00		0.00
		f.	20W Track mounted LED COB luminaire with high efficacy, Output: 1800lm, Beam Angle: 36°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Builtin (Non-dimmable), Wipro LD57-251-024-40-XX or approved equivalent.	EACH	33.00		33.00		0.00
		g.	30W Suspended linear downlight solution for contemporary workspaces. Extruded Aluminium Housing of 1200mm with high transmittivity HET diffuser for standalone and seamless end to end connectivity, Output: 2850lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Builtin (Non-dimmable), ref Wipro LM34-401-XXX-40WCG1 or approved equivalent.	EACH	88.00		88.00		0.00
		h.	30W ceiling recessed light luminaire with extruded white powder coated aluminium housing and satin finish PMMA diffuser of length 1200mm, Output: 2850lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Builtin (Non-dimmable), ref. Wipro LM34-401-XXX-40-RMCG1 or approved equivalent.	EACH	61.00		61.00		0.00
		i.	Wipro LM34-251-XXX-40WCG1: 20W Suspended linear down light solution for contemporary workspaces. Extruded Aluminium Housing of 1200mm with high transmittivity HET diffuser for standalone and seamless end to end connectivity, Output: 1900lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Remote (Non-dimmable), ref. Wipro LM34-251-XXX-40WCG1 or approved equivalent.	EACH	20.00		20.00		0.00
		j.	20W ceiling recessed light luminaire with extruded white powder coated aluminium housing and satin finish PMMA diffuser of length 1200mm, Output: 1900lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Builtin (Non-dimmable), ref. Wipro LM34-251-XXX-40-RMCG1 or approved equivalent.	EACH	38.00		38.00		0.00
		k.	30W Up-Down light distribution luminaire with extruded white powder coating aluminium housing and satin finish PMMA diffuser of length 1200mm, Output: 2500lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Remote (Non-dimmable), ref. Wipro LM34-361-XXX-40WCG1 or approved equivalent.	EACH	38.00		38.00		0.00
		l.	20W Suspended linear down light solution for contemporary workspaces. Extruded Aluminium Housing of 1200mm with high transmittivity HET diffuser for standalone and seamless end to end connectivity, Output: 1900lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Remote (Non-dimmable), ref. Wipro LM34-251-XXX-40WCG1 or approved equivalent.	EACH	10.00		10.00		0.00

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		m	2x12.5W ceiling recessed adjustable type twin LED downlight, Output: 2x1200lm, Beam Angle: 29°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Remote (Non-Dimmable), ref. Philips GD602B-LED12S/840 PSU-E MB BK or approved equivalent.	EACH	50.00		50.00		0.00
		n	20W Ceiling mount linear down light solution for contemporary workspaces. Extruded Aluminium Housing of 1200mm with high transmittivity HET diffuser for standalone and seamless end to end connectivity, Output: 1900lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Remote (Non-dimmable), ref. Wipro LM34-251-XXX-40WCG1 or approved equivalent.	EACH	24.00		24.00		0.00
		o	20W Suspended linear down light solution for contemporary workspaces. Extruded Aluminium Housing of 1200mm with high transmittivity HET diffuser for standalone and seamless end to end connectivity, Output: 1900lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Remote (Non-dimmable), ref. Wipro LM34-251-XXX-40WCG1 or approved equivalent.	EACH	10.00		10.00		0.00
		p	20W ceiling recessed light luminaire with extruded white powder coated aluminium housing and satin finish PMMA diffuser of length 1200mm, Output: 1900lm, Beam Angle: 120°, Color Temp: 4000K, CRI >80, IP rating: IP20, Driver: Builtin (Non-dimmable), Wipro LM34-251-XXX-40-RMCG1 or approved equivalent.	EACH	12.00		12.00		0.00
		q	14.6W/mtr LED Strip without profile, Output: 1200lm, Beam Angle: 120°, Color Temp: 3000K, CRI >80, IP rating: IP20, Driver: Remote (Not included), ref. ENDO Tsuki LED Strip or approved equivalent.	RUNNING METER	155.00		155.00		0.00
		r	Power Supply, 12V/ 24V Constant Voltage type	EACH	110.00		110.00		0.00
		s	DALI dimmable interface for COB Downlight	EACH	150.00		150.00		0.00
		t	DALI dimmable interface for Linear luminaire	EACH	170.00		170.00		0.00
			STAGE LIGHTING						
517	9.75		Supply & installation of-LIGHT BAR 50mm dia B class M/s pipe to be hung from existing grid or roof structure for side wings, lighting bars. Make- Customised	NUMBER		3.00	3.00		0.00
518	9.76		Supply & installation of- 1000 W Halogen profile light consisting of 2 nos. 150mm dia PC lenses, imported socket, ellipsoidal anodized aluminums reflector, 1000W halogen BipinT-11 lamp, yoke colour frame & suitable clamp (Lamps Osram) Make- Neo Stage Craft & Sai Stage Lighting	NUMBER		2.00	2.00		0.00
519	9.77		Supply & installation of - 1000W Halogen Fresnel light consisting of 1000W Halogen Bipin T-11 lamp, 150mm dia, Imported socket, bottom sliding knob, yoke, colour frame & suitable clamp. (Lamps Osram) Make- Neo Stage Craft & Sai Stage Lighting	NUMBER		4.00	4.00		0.00
520	9.78		Supply & installation of - 500 W Halogen light with mash & barn door consisting of 2nos. single contact compressible holders, yoke, 500W halogen tube & suitable clamp . Make- Neo Stage Craft & Sai Stage Lighting	NUMBER		2.00	2.00		0.00
521	9.79		Supply & installation of 1000W, 240 Volt, PAR Sealed Beam Light with CRC Sheet Metal and aluminum die casting, mat black color, yoke & clamp l lamp Philips.Make- Neo Stage Craft & Sai Stage Lighting	NUMBER		10.00	10.00		0.00
522	9.80		Supply & installation of- 1000W Halogen Plano convex spot light complete with1000 W Halogen Bipin T-11 lamp, spherical anodized reflector, imported socket, and 150mm dia plan convex lens, bottom sliding knob, yoke, color frame & suitable clamp. Make- Neo Stage Craft & Sai Stage Lighting	NUMBER		4.00	4.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
523	9.81		Supply & installation of Control panel with Internal Flash Drive, similar in functionality to a hard disk but faster and more rugged. Provides enough storage for:- The entire Fixture Library of more than 3,000 files, Over a hundred show files. Removable external Memory Stick. Cache the entire Fixture library of more than 3,000 files, Improved method of Fixture selection for Patching, New Locate Fixture button, Fixture Selects (selecting the top row of faders), 2048 Channels. 240 Intelligent Fixtures. 240 Dimmer Control Channels. Theatrical Plotting and Playback functions. Shape Generator for instant creation of patterns and effects. 15 Playback Masters controlling 450 memories, chases or cue lists. MIDI and Bass, Mid, Treble sound to light triggers. Colour VGA output fitted as standard. Front panel now reverse printed Poly Carbonate Laminate using technology from the Diamond 4, this is incredibly hard wearing and looks excellent. Each console individually has an electronic serial number, linked to physically engraved metalwork numbering making reselling of stolen consoles more difficult. Supplied with PC applications: Avolites Visualiser, Pearl Simulation program and Cache builder etc all complete as per direction .	NUMBER		1.00	1.00		0.00
524	9.82		Supply & installation of- Wall mounted dimmer with patch panel 12 nos single phase 4 KW electronic dimmers to be distributed in 3 phases with suitable bus bar arrangement housed in sheet metal enclosure. Digital output, output light indicator, local controls etc. Make- Neo Stage Craft & Sai Stage Lighting	NUMBER		1.00	1.00		0.00
525	9.83		Supply & installation of - 54 LEDs 3W 15° (54 red, 54 green and 54 blue) 4 digital display. There dimmer manual mode, running, strobe, speed adjustable, adjust the data with a power saving, boot automatically recover data. DMX 512 protocol - 6 DMX channels Main dimmer , RGB color changing , Strobe effect, Auto play with internal programs , Master/Slave function, Stand alone mode . Power supply: AC 100V-AC240V 50/60 Hz. Light power connect maximum range. Consumption: 165W . Weight: 3.5 kg. Make- Neo Stage Craft & Sai Stage Lighting	NUMBER		14.00	14.00		0.00
526	9.84		Supply & installation of -LED cob par LIGHT 200w 1 Id RGBW (Warm white optional) LED 4,6,7,9,3 DMX channel, End to end capability digital display, Angle 25° (optional 30°,45°)Dimmer 0-100% linerly Adjustable strobe: 0-20F.P.S.,IP rating :-IP65,Control :-512,Ac Power: 90-260v Auto Sensing,power con in and oout,power consumption:220w ,DMX Data in/out 3 pin XLR. all complete, Make- Neo Stage Craft	NUMBER		6.00	6.00		0.00
527	9.85		Supply & installation of - Moving Head Sharpy Light 230w,POWER SUPPLIES 110-240V 50/60 Hz ,INPUT POWER,LAMP SOURCE Discharge lamp with a short arc burner in a reflector system - Type: YODA MSD Platinum 7R,- Output Lamp power: 230W- Colour temperature: 8,500 K,- Average life: 2,000 h OPTICS,3-lens optical group combination,Focus: electronic Light output at 20 meters (65 feet): 59,760 lux,COLOR SYSTEM Interchangeable color wheel with 14 colors + open EFFECTS SECTION, Interchangeable gobo wheel with 17 fixed gobos + open,High speed shake effect,8-face rotating prism SHARPY 23,Frost filter,Mechanical shutter and adjustable speed strobe effect,Mechanical dimmer,CONTROL AND PROGRAMMING 16 DMX 512 control channels ,Display: LED RED Display Pan/Tilt Resolution: 16 bit,Movement control: vectorial DMX signal connection: 3 PIN output,BODY, Aluminium structure with die-cast plastic cover.Two side handles for transportation. Device locking PAN and TILT mechanisms for transportation and maintenance. MOVING BODY. Travel:- PAN = 540° - TILT = 50°ELECTRONICS, Function reset from the lighting desk ON/OFF lamp control from the lighting desk" AUTOTEST" function from menu Electronic monitoring with status error SAFETY DEVICES Bipolar circuit breaker with thermal protection. Automatic break in power supply in case of overheating or failed operation of cooling system. Forced ventilation with axial fans.Hanging system: with fast-lock omega clamps (1/4 turn) on the base. Make- Neo Stage Craft	NUMBER		2.00	2.00		0.00

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528	9.86		Supply & installation of -Blinder 4way Light sources. :DWE 120v 650w x4,Power supply: Ac 220v-240v/50hz,DMX channel:-1 channel Dimmer. all complete , Make- Neo Stage Craft	NUMBER		2.00	2.00		0.00
			8 Channel DMX Splitter:						
529	9.87		Supply & installation of - DMX SPLITTER WITH ONE INPUT AND SIX OUTPUTS WITH COMPLETE INTERNAL WIRING AND ALL OUTPUT ELECTRICALLY ISOLATED FROM INPUT . Splitter shall be suitable for one DMX universe and all connections shall be through 3/5 pin XLR connectors complete with electrical input wire etc all complete , Make- Neo Stage Craft	NUMBER		1.00	1.00		0.00
			Wiring						
530	9.88		Supply & installation of - S/L of DMX control wiring from stage (point of installation of wall mount Dimmer) to Stage Lighting Mixer. Make- finolex, skytone	JOB		1.00	1.00		0.00
531	9.89		Supply & installation of - Light Point Wiring from Patch Panel to be provided near stage to various stage light fixtures with 2.5 Sq.mm 3 Core PVC Insulated and PVC Sheathed Cable including of suitable size for laying these wires including 16 amps sockets with box at top. Make- finolex, skytone	NUMBER		46.00	46.00		0.00
			V FIRE DETECTION & ALARM SYSTEM						
532	9.90		Supplying , fixing and laying of 20mm heavy duty MS conduit in false ceiling, floor , wall panelling or partitions etc. includes all chase cutting and making the surface good along with the 18 SWG GI pull wire complete with all the accessories & as specified above, of the following sizes.	RUNNING METER		500.00	500.00		0.00
533	9.91		Supplying , fixing and laying of heavy duty 25 mm MS conduit in false ceiling, floor , wall panelling or partitions etc. includes all chase cutting and making the surface good along with the 18 SWG GI pull wire complete with all the accessories & as specified above, of the following sizes.	RUNNING METER		750.00	750.00		0.00
534	9.92		Supplying , fixing and laying of 20mm heavy duty PVC conduit in floor, wall panelling or partitions etc. includes all chase cutting and making the surface good along with the 18 SWG GI pull wire complete with all the accessories & as specified above, of the following sizes.	RUNNING METER		50.00	50.00		0.00
535	9.93		Supplying , fixing and laying of 25 mm heavy duty PVC conduit in floor, wall panelling or partitions etc. includes all chase cutting and making the surface good along with the 18 SWG GI pull wire complete with all the accessories & as specified above, of the following sizes.	RUNNING METER		50.00	50.00		0.00
536	9.94		Providing , installation, testing and commissioning of Rate of rise cum fixed bimetallic type Heat Detectors with base .	EACH		1.00	1.00		0.00
537	9.95		Providing, installation, testing & commissioning of Response Indicators	EACH		5.00	5.00		0.00
538	9.96		Providing, installation, testing & commissioning of Electronic Hooters	EACH		2.00	2.00		0.00
539	9.97		Providing , installation , testing & commissioning of Glass Break Type Manual Call Point.	EACH		4.00	4.00		0.00
540	9.98		Supplying & laying of 2 x 1.5sqmm. FRLS insulated, copper, conductor wire in existing conduits in recess / surface including termination as req .	METER		500.00	500.00		0.00
541	9.99		Supplying & laying of 3 x 1.5sqmm. FRLS insulated, copper, conductor wire in existing conduits in recess / surface including termination as req .	METER		100.00	100.00		0.00
			G. Addressable Fire Alarm System						
			1. Supply, fixing, testing and commissioning of the following:						
			a. Multi Criteria Detector (Addressable Type)	NUMBER	180.00		180.00		0.00
			b. Control Module (Addressable Type)	NUMBER	12.00		12.00		0.00
			c. Manual Call Point (Addressable Type)	NUMBER	5.00		5.00		0.00
			d. Hooter + Strobe (105 db) (Addressable Type)	NUMBER	8.00		8.00		0.00
			e. Fault Isolator (Analogue Addressable Type)	NUMBER	9.00		9.00		0.00
			2. Supplying, Receiving, Unloading, Storing, Handling, Shifting to its location, laying, termination, testing & commissioning of Wiring for Fire Alarm System						
543	9.101		Wiring to Fire Alarm Devices with Fire Survival Armoured Cable (600 / 1000 Volt) with Class-2 annealed 2 x 1.5 sq.mm copper conductor having cross linkable Halogen Free Insulation with Glass Mica (Fire barrier) tape along with Low Smoke Zero Halogen (LSZH) inner & outer sheath as per BS 7846 : 2009 should retain circuit integrity up to 3 Hours @ 950° as per BS - 6387 C.W.Z. and BS EN50200 Annexure - E (Fire Survival Armoured Cable shall be fixed by means of space bar saddles with base at intervals not more than 450mm) including necessary glands.	RUNNING METER	1,680.00		1680.00		0.00

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544	9.102		3. Supplying and fixing 1.2 mm thick MS junction / outlet boxes with suitable knockout holes and 3 mm thick Hylam sheet cover. a. 100 x 100 x 50 mm deep.	NUMBER	90.00		90.00		0.00
545	9.103		4. Testing and commissioning of complete Fire Alarm Installation be specialist agency supplying fire alarm panel.	LUMPSUM	1.00		1.00		0.00
			H. Conduit and Wiring for PA System						
			I PA System (Conduit & Wiring)						
546	9.104		1. Providing & fixing Philips make Speakers. Speakers shall be LBD 0606 (6 Watts Read Power) including line matching transformer (Ceiling Recessed with mounting clamp - White colour)	NUMBER	90.00		90.00		0.00
547	9.105		2. Wiring for PA system with Fire Survival Armoured Cable (600 / 1000 Volt) with Class-2 annealed 2 x 1.5 sq.mm copper conductor having cross linkable Halogen Free Insulation with Glass Mica (Fire barrier) tape along with Low Smoke Zero Halogen (LSZH) inner & outer sheath as per BS 7846 : 2009 should retain circuit integrity up to 3 Hours @ 950° as per BS - 6387 C.W.Z. and BS EN50200 Annexure - E (Fire Survival Armoured Cable shall be fixed by means of space bar saddles with base at intervals not more than 450mm) including necessary glands.	RUNNING METER	1,350.00		1350.00		0.00
	VI		Sprinklers, Piping & Accessories						
548	9.106		Providing and laying MS (Heavy) Pipe IS:1239 marked including all forged fittings and accessories such as screwed/welded flanges, tees, reducers etc. complete including painting, welding, jointing and neoprene gaskets, nuts, bolts etc. as required of the following pipes painted with one coat of primer & two coats of post office red enamel paint fixed in ceiling, walls, columns for all heights with hangers, supports and fasteners all as per drawing including chasing of walls/columns/ceilings etc. and making good the same complete as required (for Sprinkler System). - 50mm dia	RUNNING METER		50.00	50.00		0.00
549	9.107		Providing and laying MS (Heavy) Pipe IS:1239 marked including all forged fittings and accessories such as screwed/welded flanges, tees, reducers etc. complete including painting, welding, jointing and neoprene gaskets, nuts, bolts etc. as required of the following pipes painted with one coat of primer & two coats of post office red enamel paint fixed in ceiling, walls, columns for all heights with hangers, supports and fasteners all as per drawing including chasing of walls/columns/ceilings etc. and making good the same complete as required (for Sprinkler System). - 32mm dia	RUNNING METER		10.00	10.00		0.00
550	9.108		Providing and laying MS (Heavy) Pipe IS:1239 marked including all forged fittings and accessories such as screwed/welded flanges, tees, reducers etc. complete including painting, welding, jointing and neoprene gaskets, nuts, bolts etc. as required of the following pipes painted with one coat of primer & two coats of post office red enamel paint fixed in ceiling, walls, columns for all heights with hangers, supports and fasteners all as per drawing including chasing of walls/columns/ceilings etc. and making good the same complete as required (for Sprinkler System). - 40mm dia	RUNNING METER		5.00	5.00		0.00
551	9.110		Providing and fixing UL approved 1.20 mtr. long flexible sprinkler pipes made out of SS 304 with GI connector on both end with supports and clamps as required.	NUMBER		10.00	10.00		0.00
552	9.111		Providing, fixing, testing & commissioning of sprinkler heads pendant / upright type with quartzond bulb operating temperature at 68 deg. C as per specification.	NUMBER		10.00	10.00		0.00
553	9.112		1. Providing, laying, jointing and testing of following sizes of pipes conforming to IS-1239 with all accessories like all fittings (upto 50mm dia threaded M.S.forged fittings and above 50 mm dia MS forged fittings with welded joints shall be used) fittings including tees, elbows, reducers, flanges, rubber gaskets, nuts bolts, washer. And fixing the pipe on floor / wall / ceiling with suitable size clamps, hangers, structural steel supports as per specification. And G.I. pipe sleeve to be provided wherever the pipes are crossing the walls/floors and sealing the sleeves as per consultants requirements including cutting holes and chases in brick, R.C.C work and making good the same to original conditions complete in all respects. Arrows showing direction of flow to be marked (with paint of approved colour) on each pipe at locations as decided at site.						
			For Sprinkler System - M.S. 'C' Heavy class pipe						
			a) 25 mm dia	RUNNING METER	340.00		340.00		0.00
			b) 32 mm dia	RUNNING METER	60.00		60.00		0.00
			c) 40 mm dia	RUNNING METER	70.00		70.00		0.00
			d) 50 mm dia	RUNNING METER	40.00		40.00		0.00
			e) 65 mm dia	RUNNING METER	45.00		45.00		0.00

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			f) 80 mm dia	RUNNING METER	60.00		60.00		0.00
554	9.113	2	Providing two coats of synthetic enamel paint of approved shade over a coat of primer. Including painting of legends both direction arrow as per the approval of the architects / consultants.						
			a) 25 mm dia	RUNNING METER	340.00		340.00		0.00
			b) 32 mm dia	RUNNING METER	60.00		60.00		0.00
			c) 40 mm dia	RUNNING METER	70.00		70.00		0.00
			d) 50 mm dia	RUNNING METER	40.00		40.00		0.00
			e) 65 mm dia	RUNNING METER	45.00		45.00		0.00
			f) 80 mm dia	RUNNING METER	60.00		60.00		0.00
555	9.114	3	Providing and fixing gun metal ball valve suitable for pressure 15 Kg/Cm2 and confirming to IS: 778 of the following size including providing necessary union / flange.						
			a) 25 mm dia	NUMBER	5.00		5.00		0.00
			b) 50 mm dia	NUMBER	5.00		5.00		0.00
556	9.115	4	Providing & fixing of butterfly valve suitable for pressure 15 Kg/Sqcm. with flanges, nut bolts & gaskets complete required.						
			a) 80 mm dia	NUMBER	5.00		5.00		0.00
557	9.116	5	Supply & erection of ISI marked portable fire extinguishers, wall mounted type, wall brackets complete in all respect as per standard item with all accessories, delivery hose & nozzle wherever required, including fixing on walls as per the directions of Engineer-in-charge. (MAKE : Minimax / Cease Fire)						
			a) Water CO2 gas cartridge type. 9 Lt.capacity (IS:940)	NUMBER	45.00		45.00		0.00
			b) CO2 gas type. 4.5 kg. Capacity (IS:2878)	NUMBER	5.00		5.00		0.00
			c) Mechanical Foam gas cartridge type. 9 LIT. capacity (IS:10204)	NUMBER	4.00		4.00		0.00
			d) ABC dry powder stored pressure type 4.5 kg. capacity (IS:13849)	NUMBER	45.00		45.00		0.00
558	9.117	6	Providing & fixing C.P.brass quartzoid bulb sprinklers of size 15mm dia (Pendent type) to be operated at 68Deg.C complete.						
			a) Pendant type	NUMBER	10.00		10.00		0.00
			b) Side wall type	NUMBER	3.00		3.00		0.00
			c) Concealed type	NUMBER	240.00		240.00		0.00
			d) Upright type	NUMBER	10.00		10.00		0.00
559	9.118	7	Providing, jointing and testing of sprinklers through flexible connections(internal diameter 25mm & outlet connection 15mm dia.) as per requirement at site. The flexible connectors shall be supported through false ceiling through clamps or as directed at site. The flexible connector shall be suitable for working pressure 12 kg/sqcm.	NUMBER	250.00		250.00		0.00
560	9.119	8	Providing and fixing signages printed on photoluminescent U1000 aluminium sheet of 1.0 mm (+ -10%) containing lumigen II as base chemical, covered under UV stabilized coating and of appropriate size (Glo-lite or eq. Make) including fixing on wall, door, ceiling etc. with proper clamps, hangers, cleats anchor fasteners etc. complete in all respects as directed by Engineer-in-charge	SQUARE INCH	1,200.00		1200.00		0.00
561	9.120	9	Providing, jointing and testing of automatically operated Halotron fire extinguishers (cap-5kg, temperature rating-5kg, temperature rating-68degC, test pressure-30bar) complete with all accessories/ fittings.	EACH	2.00		2.00		0.00
J) Lighting Control & Automation System									
Centralized Items									
562	9.121	1	Qlite Processor: QL-NE100 is a very powerful processor allowing complex programming to achieve project requirements. It has both QL NET and DMX-512 bus. The control devices connect to the QL NET bus and the control actuators connect to the DMX-512 bus. The controller can control up to 512 channels and 128 different zones. The controller gives flexibility to program different lighting scenes for each zone.	PIECE	2.00		2.00		0.00
563	9.122	2	Network Power Supply: 100W, 12V DC power supply module for the QL NET bus. It delivers the power to the bus devices that take power from the bus. Most of these devices include the control devices or the user interfaces. The DIN rail mountable module is totally self-contained and it does not communicate on the bus. It only feeds power to the bus.	PIECE	6.00		6.00		0.00
564	9.123	3	Local Enclosure: for holding all DIN rail based actuators along with Qlite processor complete with Isolator, ELCB and outgoing MCBs.	PIECE	3.00		3.00		0.00
Actuators									

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565	9.124	4	Qlite 4-Channel Dimming Actuator: QL-405 is a 4-Channel module, which can be programmed for 'switched mode' or 'Phase Dimming' or 'Analog 0-10v Dimming'. The Din-rail mountable module is totally self-contained with its own integral PSU and can be configured as part of a central system or as a standalone system.	PIECE	16.00		16.00		0.00
566	9.125	5	Qlite 8-Channel Switching Actuator: QL-SW820 is an 8-Channel switching module with current rating of 20A per channel. The Din rail mountable module is totally self contained with its own integral PSU and can be configured as part of a central system or as a standalone system.	PIECE	12.00		12.00		0.00
567	9.126	6	Qlite 4-Channel Curtain Actuator: QL-CC04 is a 4-channel shade control module designed for small to medium sized automation requirements. The DIN rail mountable module is totally self contained with its own integral PSU and can be configured as a part of a central system or as a standalone system.	PIECE	6.00		6.00		0.00
User Interfaces									
568	9.127	7	Qlite Control Keypad: QL-CPM110 is a modern series push button control plate. It is available in a wide range of finishes and models. It is an elegant user interface for control of lights, curtains, AC, Geyser etc by the user. The QL-CPM110 sits on the QL NET bus takes power from the bus and gives commands to the actuator or controller depending on the system architecture.	PIECE	41.00		41.00		0.00
569	9.128	8	Qlite Motion Sensor: QL SMW101R is a flush mounting microwave motion sensor module. The module sits on the QL NET bus and takes power from the bus. The sensor is activated by motion i.e. speed and size and being microwave technology it overcomes the temperature restrictions faced by normal IR based sensors. The operating temperature of the sensor ranges from -10°C to 60°C.	PIECE	17.00		17.00		0.00
570	9.129	9	Stand-alone Motion Sensor: The module takes power from the an AC supply. The sensor is activated by motion. The operating temperature of the sensor ranges from -10°C to 60°C.	PIECE	14.00		14.00		0.00
Interfaces									
571	9.130	10	Qlite Auxiliary Input Module: QL-S8 is an 8-channel auxiliary input module. The DIN rail mountable module is totally self-contained and the metal construction has been designed and built for safety, reliability & serviceability. It senses closing contacts on each of the 8-inputs and gives a preprogrammed command to the QL NET, depending on the contact status of each input.	PIECE	3.00		3.00		0.00
572	9.131	11	Qlite BACnet over IP Interface	PIECE	1.00		1.00		0.00
573	9.132	12	Qlite Serial Interface	PIECE	1.00		1.00		0.00
574	9.133	13	IP-to-SL Module	PIECE	1.00		1.00		0.00
575	9.134	14	IP-to-IR Module	PIECE	4.00		4.00		0.00
576	9.135	15	CoolMasterNet, CoolMasterNet is a universal communication bridge that allows VRF/VRV heating, ventilation, and air conditioning systems connectivity. Furthermore, the solution enables integration to centralised control systems.	PIECE	1.00		1.00		0.00
577	9.136	16	Installation & Commissioning of the Project with iPad/iPhone/android phone GUI	LUMPSUM	1.00		1.00		0.00
K ACCESS CONTROL SYSTEM									
578	9.137		1 Supplying, installation, testing, commissioning and integration of following items of approved make compatible with existing centralized access control system of IDCUBE make :						
			i) Access door controller (2 reader) V100	PIECE	6.00		6.00		0.00
			ii) Enclosure for V100	PIECE	6.00		6.00		0.00
			iii) IDCube: Access card reader	PIECE	13.00		13.00		0.00
			iv) IDCube: Access card exit switch	PIECE	13.00		13.00		0.00
			v) 600lbs Electromagnetic lock with ZL bracket single door	PIECE	8.00		8.00		0.00
			vi) 600lbs Electromagnetic lock with ZL bracket double door	PIECE	5.00		5.00		0.00
			vii) Access Cards (Proximity)	PIECE	100.00		100.00		0.00
			viii) Power Supply 12V 5Amp SMPS	PIECE	6.00		6.00		0.00
			ix) Reader Cable 8 Core	METER	400.00		400.00		0.00

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		x)	Lock cable 4 Core	PIECE	100.00		100.00		0.00
	X		HVAC WORKS (Make of VRV: Daikin / Toshiba / Mitsubishi)						
			SUB HEAD A - High Side (Equipments)						
579	10.1		Outdoor Units - Heat Pump (R410A)-N. Cap. ODU- (12 HP) - Daikin model no. RXYQ12	NUMBER		1.00	1.00		0.00
580	10.2		Indoor Units - Ceiling Mounted Duct Type- 4.6 TR - Daikin model no.FXMQ140	NUMBER		2.00	2.00		0.00
581	10.3		Remote - Daikin model no.BRC4C65	NUMBER		2.00	2.00		0.00
582	10.4		YJOINTS- Daikin model no.KHRP 73	NUMBER		1.00	1.00		0.00
583	10.5	2.0	Import, port clearance, transport and delivered at site of the following Variable Refrigerant Volume equipments. (Units shall be selected for Both cooling and Heating mode and Compatible with R-410A refrigerant charge) All indoor units have inbuilt drain pump and all outdoor fins and coil have anticorrosive coating.						
		2.1	Outdoor units:-						
		2.1.1	31.3 TR (38.0 HP) Outdoor unit.(5th Floor)	NUMBER	1.00		1.00		0.00
		2.1.2	24.7 TR (30.0 HP) Outdoor unit.(4th Floor)	NUMBER	1.00		1.00		0.00
		2.1.3	23.1 TR (28.0 HP) Outdoor unit.(4th Floor)	NUMBER	1.00		1.00		0.00
		2.1.4	19.8 TR (24.0 HP) Outdoor unit.(4th Floor)	NUMBER	1.00		1.00		0.00
		2.1.5	16.5 TR (20.0 HP) Outdoor unit.(5th Floor)	NUMBER	1.00		1.00		0.00
		2.1.6	14.8 TR (18.0 HP) Outdoor unit.(4th Floor)	NUMBER	1.00		1.00		0.00
		2.1.7	8.3 TR (10.0 HP) Outdoor unit.(4th Floor)	NUMBER	1.00		1.00		0.00
		2.2	Indoor units:-						
		2.2.1	4th Floor:-						
		i	2.0 TR (2.5 HP), 550 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	3.00		3.00		0.00
		ii	1.6 TR (2.0 HP), 450 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	24.00		24.00		0.00
		iii	1.2 TR (1.5 HP), 350 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	9.00		9.00		0.00
		iv	1.0 TR (1.2 HP), 300 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	13.00		13.00		0.00
		v	0.6 TR (0.8 HP), 200 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	4.00		4.00		0.00
		vi	9.9 TR (12.0 HP), 1200 CFM Outdoor air Processing Indoor Unit.	NUMBER	2.00		2.00		0.00
		vii	8.3 TR (10.0 HP),1000 CFM Outdoor air Processing Indoor Unit.	NUMBER	1.00		1.00		0.00
		2.2.2	5th Floor:-						
		i	2.0 TR (2.5 HP), 550 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	2.00		2.00		0.00
		ii	1.6 TR (2.0 HP), 400 CFM 2-Way Cassette Type Indoor Unit.	NUMBER	5.00		5.00		0.00
		iii	1.2 TR (1.5 HP), 350 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	13.00		13.00		0.00
		iv	1.0 TR (1.2 HP), 300 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	4.00		4.00		0.00
		v	0.6 TR (0.8 HP), 200 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	5.00		5.00		0.00
		vi	8.3 TR (10.0 HP),1000 CFM Outdoor air Processing Indoor Unit.	NUMBER	2.00		2.00		0.00
		2.3	Supply of Cordless Remote Controller:-						
		2.3.1	Cordless Remote Controller for TFA Unit.	NUMBER	5.00		5.00		0.00
		2.3.2	Cordless Remote Controller for Cassette unit.	NUMBER	82.00		82.00		0.00
		2.5	Supply of Master Remote Control panel including all necessary control wiring. Master Remote Control Panel shall be connected to all indoor/outdoor units. Master Remote Control Panel shall be one touch screen type.						
		2.5.1	Suitable for 64 nos of indoor unit.	NUMBER	1.00		1.00		0.00
		2.5.2	Suitable for 32 nos of indoor unit.	NUMBER	1.00		1.00		0.00
584	10.6	3.0	Installation, Testing and Commissioning of the following Variable Refrigerant Volume equipments.						
		3.1	Outdoor units:-						
		3.1.1	31.3 TR (38.0 HP) Outdoor unit.(5th Floor)	NUMBER	1.00		1.00		0.00
		3.1.2	24.7 TR (30.0 HP) Outdoor unit.(4th Floor)	NUMBER	1.00		1.00		0.00
		3.1.3	23.1 TR (28.0 HP) Outdoor unit.(4th Floor)	NUMBER	1.00		1.00		0.00
		3.1.4	19.8 TR (24.0 HP) Outdoor unit.(4th Floor)	NUMBER	1.00		1.00		0.00
		3.1.5	16.5 TR (20.0 HP) Outdoor unit.(5th Floor)	NUMBER	1.00		1.00		0.00
		3.1.6	14.8 TR (18.0 HP) Outdoor unit.(4th Floor)	NUMBER	1.00		1.00		0.00
		3.1.7	8.3 TR (10.0 HP) Outdoor unit.(4th Floor)	NUMBER	1.00		1.00		0.00
		3.2	Indoor units:-						
		3.2.1	4th Floor:-						
		i	2.0 TR (2.5 HP), 550 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	3.00		3.00		0.00
		ii	2.0 TR (2.0 HP), 450 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	24.00		24.00		0.00
		iii	1.2 TR (1.5 HP), 350 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	9.00		9.00		0.00
		iv	1.0 TR (1.2 HP), 300 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	13.00		13.00		0.00
		v	0.6 TR (0.8 HP), 200 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	4.00		4.00		0.00
		vi	9.9 TR (12.0 HP), 1200 CFM Outdoor air Processing Indoor Unit.	NUMBER	2.00		2.00		0.00

Sl No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
		vii	8.3 TR (10.0 HP),1000 CFM Outdoor air Processing Indoor Unit.	NUMBER	1.00		1.00		0.00
			3.2.2 5th Floor:-						
		i	2.0 TR (2.5 HP), 550 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	2.00		2.00		0.00
		ii	1.6 TR (2.0 HP), 400 CFM 2-Way Cassette Type Indoor Unit.	NUMBER	5.00		5.00		0.00
		iii	1.2 TR (1.5 HP), 350 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	13.00		13.00		0.00
		iv	1.0 TR (1.2 HP), 300 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	4.00		4.00		0.00
		v	0.6 TR (0.8 HP), 200 CFM 1-Way Cassette Type Indoor Unit.	NUMBER	5.00		5.00		0.00
		vi	8.3 TR (10.0 HP),1000 CFM Outdoor air Processing Indoor Unit.	NUMBER	2.00		2.00		0.00
			3.3 Installation of Cordless Remote Controller:-						
		3.3.1	Cordless Remote Controller for TFA Unit.	NUMBER	5.00		5.00		0.00
		3.3.2	Cordless Remote Controller for Cassette unit.	NUMBER	82.00		82.00		0.00
			3.5 Installation, Testing and Commissioning of Master Remote Control panel including all necessary control wiring. Master Remote Control Panel shall be connected to all indoor/outdoor units. Master Remote Control Panel shall be one touch screen type.						
		3.5.1	Suitable for 64 nos of indoor unit.	NUMBER	1.00		1.00		0.00
		3.5.2	Suitable for 32 nos of indoor unit.	NUMBER	1.00		1.00		0.00
585	10.7	4.0	EXHAUST FANS:- Supply, installation, testing and commissioning of Ceiling Flush Type inline fans to provide mechanical ventilation for toilet exhaust system as shown on the drawings. Quoted rate shall be including of Cabling, earthing etc as required to commission the fan. 100 cfm ceiling mounted Havells make exhaust fan.	NUMBER	28.00		28.00		0.00
			SUB HEAD B - INSTALLATION VRV OUTDOOR UNITS & INDOOR UNITS						
586	10.8		Installation, shifting / lifting, Testing & Commissioning of Variable Refrigerant Volume type air-conditioning system suitable to operate at 415+10% volt, 50 Hz,3 phase AC power supply for cooling/heating with inverter based compressor (Hermetically sealed scroll type) complete, power cable, necessary wiring , connection & termination etc. as per quantity given below as required. - 10 HP	NUMBER		1.00	1.00		0.00
587			Providing & Fixing of MS stand for the placement of outdoor unit	NUMBER		1.00	1.00		0.00
	10.9		Supply and installation of MS Stand with Weather proof painted for Outdoor Units as mention Below.						
	10.9.1		38.0 HP Outdoor unit.	NUMBER	1.00		1.00		0.00
	10.9.2		30.0 HP Outdoor unit.	NUMBER	1.00		1.00		0.00
	10.9.3		28.0 HP Outdoor unit.	NUMBER	1.00		1.00		0.00
	10.9.4		24.0 HP Outdoor unit.	NUMBER	1.00		1.00		0.00
	10.9.5		20.0 HP Outdoor unit.	NUMBER	1.00		1.00		0.00
	10.9.6		18.0 HP Outdoor unit.	NUMBER	1.00		1.00		0.00
	10.9.7		10.0 HP Outdoor unit.	NUMBER	1.00		1.00		0.00
			CEILING HUNG DUCTABLE UNIT						
589	10.10		Installation, Testing and Commissioning of One Way Cassette indoor unit with evaporator coil, fan section with low noise fan, multispeed motor, outer cabinet, drain pan, spring isolator for hanging arrangement, pre-filter, silicon coated flexible duct connection, etc. complete as required. (Corded Remote Considered) - 4.65 TR	NUMBER		2.00	2.00		0.00
590	10.11		Installation, Testing and Commissioning of Y-joints and headers of required sizes for SUB & connections of refrigerant pipes to units.	NUMBER		1.00	1.00		0.00
			SUB-HEAD 'C' - AIR DISTRIBUTION WORK						
591	10.12		Supply , Installation , Testing and Commissioning of site fabricated GSS rectangular ducting as per IS:655: 2006 standard complete with fittings , flanges, supports , all accessories and any other item required to make the system complete - 22 Gauge	SQUARE METER		70.00	70.00		0.00
592	10.13		Supply , Installation , Testing and Commissioning of site fabricated GSS rectangular ducting as per IS:655: 2006 standard complete with fittings , flanges, supports , all accessories and any other item required to make the system complete - 20 Gauge	SQUARE METER		25.00	25.00		0.00
593	10.14		Supply, Installation, Testing & Commissioning of powder coated extruded aluminum supply & exhaust air grilles & complete with nuts, bolts, screws etc. to make the system complete.	SQUARE METER		28.00	28.00		0.00
594	10.15		Supply, Installation, Testing and Commissioning of powder coated extruded aluminium louvers with bird screen & volume control damper.	SQUARE METER		3.50	3.50		0.00

Sl No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
595	10.16		Supply, Installation, Testing and Commissioning of powder coated aluminium diffusers	SQUARE METER		2.50	2.50		0.00
596	10.17		Supply, Installation, Testing and Commissioning of powder coated extruded aluminium door transfer grille complete with nuts, bolts, screws etc. to make the system complete.	SQUARE METER		1.00	1.00		0.00
597	10.18		Supply, Installation, Testing and Commissioning of powder coated extruded aluminium nozzles of approx. 200mm dia.	EACH		22.00	22.00		0.00
598	10.19	7.1	Supply, Fabrication, installation, testing and commissioning of Site fabricated GSS sheet metal ducting complete with hangers, supports and rubber gasket sealing as per the specification and approved drawings.						
		7.1.1	24 gauge GSS ducting	SQUARE METER	200.00		200.00		0.00
		7.1.2	Ø100 Pre-insulated flexible duct	RUNNING METER	355.00		355.00		0.00
599	10.20	7.2	Supply, fabrication, installation of Flexible connections constructed of fire resistance flexible double canvas sleeve.	SQUARE METER	2.00		2.00		0.00
600	10.21	7.3	Supply, installation, testing & commissioning of extruded aluminum powder coated supply air diffusers with opposed blade GI volume control damper.	SQUARE METER	2.00		2.00		0.00
601	10.22	7.4	Supply, installation, testing & commissioning of extruded aluminum powder exhaust air louver with bird Screen.	SQUARE METER	0.80		0.80		0.00
602	10.23	7.5	Supply, installation, testing & commissioning of extruded aluminum powder Fresh air louver with G.I Volume Control Damper & bird Screen.	SQUARE METER	1.80		1.80		0.00
603	10.24	7.6	Supply, installation, testing and balancing of GI constructed VCD for manual control of air volume.	SQUARE METER	1.00		1.00		0.00
604	10.25	7.7	Supply, installation, testing and Commissioning Ø100 GI constructed Butterfly volume control damper for manual control of air volume.	NUMBER	82.00		82.00		0.00
SUB HEAD 'D' - ACOUSTIC LINING & INSULATION WORKS									
605	10.26		Supply and Fixing acoustic lining of supply air duct with 25 mm thick resin bonded glass wool having density of 32 kg/m3, with 25 mm x 25 mm GI section of mm thick , at 600 mm centre to centre covered with double layer reinforced plastic tissue paper and 0.5 mm thick perforated aluminium sheet fixed to inside surface of ducts with cadmium plated nuts, bolts, stick pins, CPRX compound etc. complete as required and as per specifications.	SQUARE METER		15.00	15.00		0.00
606	10.27		Supply and Fixing nitrile rubber insulation supply air duct with 6/9 mm thick with adssive SR 555 nuts, bolts, stick pins, compound etc. complete as required and as per specifications.	SQUARE METER		35.00	35.00		0.00
607	10.28	8.1	Supply and application of acoustic lining within the supply air duct as per specification. 15 mm thick acoustic lining (open cell Nitrile Rubber accosound) for duct.	SQUARE METER	40.00		40.00		0.00
608	10.29	8.2	Supply and application of 9 mm thick Closed Cell Nitrile Rubber duct insulation.	SQUARE METER	160.00		160.00		0.00
609	10.30	8.3	Supply and application of 25 mm thick EPDM under deck insulation.	SQUARE METER	500.00		500.00		0.00
SUB HEAD 'E' - REFRIGERANT & DRAIN PIPING									
610	10.31		Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 41.3 mm dia pipe insulated with 19 mm thick nitrile insulation	METER	28.00		28.00		0.00
611	10.32		Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 34.9 mm dia pipe insulated with 19 mm thick nitrile insulation	METER	62.00		62.00		0.00
612	10.33		Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 28.6 mm dia / 19 mm thick insulation	RUNNING METER	125.00	10.00	135.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
613	10.34		Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 22.2 mm dia / 19 mm thick insulation	RUNNING METER	90.00	6.00	96.00		0.00
614	10.35		Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 19.1 mm dia / 13 mm thick insulation	RUNNING METER	125.00	12.00	137.00		0.00
615	10.36		Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 15.9 mm dia / 13 mm thick insulation	RUNNING METER	195.00	45.00	240.00		0.00
616	10.37		Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 12.7 mm dia / 13 mm thick insulation	RUNNING METER	340.00	10.00	350.00		0.00
617	10.38		Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 9.5 mm dia / 13 mm thick insulation	RUNNING METER	237.00	45.00	282.00		0.00
618	10.39		Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 6.4 mm dia / 13 mm thick insulation	RUNNING METER	400.00	10.00	410.00		0.00
619	10.4		Supply , Installation, Testing and Commissioning of Refrigerant piping (Outside of Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with Aluminium faced pre-laminated Nitrile rubber of 19 mm/13 mm thick ,interconnecting control cabling between indoor / outdoor units. Insulated Refrigerant piping , complete in all respects for following size. - 28.6 mm dia / 19 mm thick insulation	RUNNING METER		5.00	5.00		0.00
620	10.41		Supply , Installation, Testing and Commissioning of Refrigerant piping (Outside of Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with Aluminium faced pre-laminated Nitrile rubber of 19 mm/13 mm thick ,interconnecting control cabling between indoor / outdoor units. Insulated Refrigerant piping , complete in all respects for following size. -12.7 mm dia / 13 mm thick insulation	RUNNING METER		5.00	5.00		0.00
621	10.42	2.4	Supply and Installation of Refrigerant pipe fitting, 'Y' joints and headers etc. as required to commission the system.	NUMBER	86.00		86.00		0.00
622	10.44	6.2	Refrigerant R-410A to top up the system if required.	KILOGRAM	97.00		97.00		0.00
			DRAIN PIPING						
623	10.45		Supply and Fixing in position the following UPVC (suitable for minimum 10kg/sq cm working pressure) condensate drain pipe insulated with 6 mm thick closed cell nitrile rubber insulation. - 32 mm dia	RUNNING METER	50.00	25.00	75.00		0.00
624	10.45		Supply and Fixing in position the following UPVC (suitable for minimum 10kg/sq cm working pressure) condensate drain pipe insulated with 6 mm thick closed cell nitrile rubber insulation. - 25 mm dia	RUNNING METER	498.00		498.00		0.00
			9.0 ELECTRICAL :-						

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
625	10.46		Design, manufacture, supply, installation, testing and commissioning of the following integrated, cubicle type, dead front, extensible, sheet steel control panels, anchoring the panel to the foundation. The panel shall be suitable for 500 volts, 50 cycles, 4 wire supply. (Incommer power supply to AC panel by others).HVAC contractor has to terminate incoming cable to AC panel along with the incoming switch. Quoted price shall include all necessary internal wiring, earthing. Separate compartments for bus bar and cable alleys. The panel shall have minimum 2 spare compartments. The following components and accessories shall be mounted within the control panel. Contractor has to take approval from consultant/ site engineer incharge the SLD drawings for electrical panel before fabrication. INCOMING : a. One No. 350 amps, 25 ka, 4-pole MCCB complete with adustable overload circuit protection. b. 0-500 Volts 96 x 96 mm square voltmeter digital type with selector switch 1 Set c. 0-50 amps ammeter digital type with 500/5 amps CT's and selector switch 1 Set d. Phase indicating lamps with control SP MCB. e. Aluminum bus bar sleeve type rated at 400 amps for three phase & neutral phase bus bar shall have maximum current density of 1.0 amp per sq. mm and the neutral bus bar of not less than 50 % capacity OUTGOING : a. 1 No 100 amps, 4-pole, 100mA ELCB. for 38.0 HP ODU. b. 4 Nos 63 amps, 4-pole, 100mA ELCB for 30.0-20.0 HP ODU's. c. 1 No 40 amps, 4-pole, 100mA ELCB. for 18.0 HP ODU. d. 1 No 32 amps, 4-pole, 100mA ELCB. for 10.0 HP ODU.						
			PANEL AS DESCRIBED ABOVE :	NUMBER	1.00		1.00		0.00
626	10.47	9.2	Supply and Laying of 2 core x 1.5 sqmm pvc insulated copper conductor control Wire.	RUNNING METER	1,390.00		1390.00		0.00
627	10.48	9.3	Supply and Laying of 3 core x 2.5 sqmm pvc insulated copper conductor power cable for indoor units.	RUNNING METER	135.00		135.00		0.00
628	10.49	9.4	Supply and Laying 4.0 core x 25 Sq.mm copper conductor armoured cable.	RUNNING METER	15.00		15.00		0.00
629	10.50	9.5	Supply and Laying 4.0 core x 16 Sq.mm copper conductor armoured cable.	RUNNING METER	30.00		30.00		0.00
630	10.51	9.6	Supply and Laying 4.0 core x 10 Sq.mm copper conductor armoured cable.	RUNNING METER	45.00		45.00		0.00
631	10.52	9.7	Supply and Laying 4.0 core x 6 Sq.mm copper conductor armoured cable.	RUNNING METER	16.00		16.00		0.00
632	10.53	9.8	Supply and installation of 300 (w)x 100 (d) x1.6 (thickness) G.I perforated Cable Tray with cover for Refrigerant copper piping.	RUNNING METER	250.00		250.00		0.00
			Plasma air Ionizer For Air Purification System :-						
633	10.54		Supply, Installation, Testing and Commissioning of Plasma Air Ionizer. PA 600 series. The model PA 600 is a needle point brush type ionizers & self contained in a potted ABS box with a molded flange and mounting holes. Models accept 12V DC, 24V AC, 120V AC and 230V AC without the use of an external power supply device. The PA600 is protected with an inline 500mA glass cartridge fuse.	NUMBER	87.00		87.00		0.00
634	10.55		Supply, Installation, Testing and Commissioning of Plasma Air Ionizer PA 100 series. The PA 100 is a single tube ionizer with tube size (C,D & E). Housing material is of 20 G stainless steel. Model accept 120V AC and 230V AC without the use of an external power supply device. A five position ion level knob varies the ion output between 50% and 100% for fresh air intake in TFA Units.	NUMBER	5.00		5.00		0.00
635	10.56		Supply, Installation Testing and Commissioning of Electronic Air Cleaner in the supply air duct of TFA Units as per details below. EAC should be Capable of handling up to 1700-2040 CMH for DM1000B. EAC should have Pre filter which collects larger particles of 10 micron and above, Ionizing & Collection Cells collects particles as small as 0.01 micron. EAC should have On/Wash/Indicators for performance status .EAC should have BMS dry contacts for connection to Building Management System. EAC should have pressure drop between 0.11" WG-0.25" WG (28Pa to 66Pa).	NUMBER	5.00		5.00		0.00
		10.4	Air Quality Monitoring :						

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
636	10.57		Supply, Installation, Testing, Comissioning of Air Quality Monitor IGT2. The Monitor should adopt ABS + PC's environmental friendly material, and its surface is treated with etched workmanship. Monitor should have ability to detect one or more parameters amongst (PM10, PM2.5, PM1, CO2, TVOC, Temperature, Humidity, HCHO-Formaldehyde). Monitor Should be able to transmit Data by one or more connectivity mediums amongst (Wi-Fi, GPRS-SIM CARD, RS485) and supports online firmware upgrades, Monitor should be able to Communicate with Existing / New Building Management System and Real time Monitoring of data values on Android/ IOS Apps and easy to operate. Monitor must accept 5V DC, 220V AC and 12V DC Power Supply. Monitor Should be able to send data to Secure Cloud Server for Storing Historical and Real Time Data and same should be visible on a browser based application (DashBoard). Application should be able to generate Reports, Alerts, Comparison between Closest CPCB (Central Pollution Control Board) Station data and between configured Indoor Monitors Data. Measuring Range PM10 : 0-999ug/m3 PM2.5 : 0-999ug/m3 PM1 : 0-999ug/m3 Temperature: 0-55 °C Humidity: 20%-95% CO2: 0-5000 PPMTVOC: 125-600 PPM"	NUMBER	1.00		1.00		0.00
	XI		WATER PROOFING						
637	11.1		WATERPROOFING OF TOILETS/SUNKEN PORTIONS Providing and applying a two component polymer based cementitious waterproofing system using in following sequence : Cleaning the internal surface areas thoroughly so that they are free of all contaminants like dirt and laitance & to remove all the loose materials by various mechanical means. Removal of all surface Imperfections, protrusions ,loose concrete & filling of cracks using Dr.fixit URP-Polymer Modified Mortar in the ratio Cement: Sand (1:4) and 5% by weight of cement. Providing and making fillets at the junction of the walls and the slabs using cement mortar of 1:4 mix admixed with 5 % of SBR latex by weight of cement. Supplying & sealing the Sanitary pipe inserts, electrical fit-outs, etc provided in the floor & walls with Bathseal Tape. Supplying & grouting the gaps around the pipe inserts with Bathseal Grout or Dr. Fixit Microconcrete. The "Nahani" trap, etc is to be fitted securely in the same manner & the gaps around it to be grouted with Bathseal Grout or Dr. Fixit Microconcrete. Supplying & applying 2 coats of Dr. Fixit Bathseal WPC in the sunken areas & extending it up to 150mm above the finished floor level. Extend the coating in shower splash zone 1.5m wide x 1.8m high. This includes laying of a 150mm wide strip of an open woven glass fiber mesh over the angle fillets on the 1st coat while it is still wet. Laying protection plaster 15mm, 1:4 admixed with Dr.fixit Pidiproof LW+ integral waterproofing compound as per IS 2645 @200 ml per bag of cement.	SQUARE METER		50.00	50.00		0.00
638	11.2		WATERPROOFING FOR TERRACE Base preparation of cleaning, brushing and removal of any loose/flacky materials, in case of pot holes/cracks, the same shall be repaired with polymer modified cement mortar using SBR latex. Applying Dr.Fixit Flexi PU 270(I) liquid applied, pure polyurethane based, single component,Anti root, low VOC, elastomeric, seamless, waterproof membrane with elongation of400%,tensile strength of 4 Nsqmm,crack bridging upto 2mm applied in 2 coats over one coat of primer at a total consumption of min. 1.8 Kg./ Sq.Mt. to achieve a DFT of 1.5 mm & thereafter providing & laying 120 GSM polyester geotextile layer. Further laying protective concrete screed of average 75 mm using M20 grade concrete with minimum thickness of 40 mm at the rain water outlet and a slope of 1:120, making wattas at the junctions of horizontal and vertical surfaces to a float finish, well compacted, curing for 7 days etc. complete.	SQUARE METER		20.00	20.00		0.00
	XII		LIFT						

SI No	Item No.	RATE REF.	PARTICULARS	Unit of Measurement	Estimated Quantity			Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
639	12.1		Supply, Installation, Testing & Commissioning Of Wheel Chair Platform Lift – 300 Kg, 2 Stops, With 2 Way Rocker Post Mounted Call Stations Including Stop Buttons, Nitrocarburised Finished Steel And Aluminium Construction & 5 Year Anti Corrosion Warranty Complete As Per Specifications As Enclosed. Bidder to take prior approval by submitting complete technical data sheet & shop drawing.	EACH		1.00	1.00		0.00
640	12.2		Supply, installation, testing & commissioning of the Passanger elevator (8 persons, 544 kg) 6 stops without machine room as per following specifications : Elevator Type: Passenger Elevator PW108/10-19 Product : IMonospace No. of Units : 1 Load & Capacity: 544 kg or 8 persons Speed : 1 m/s Stops & Openings : 6 stops & 6 openings, Single entrance car Travel height : 19.5 m Elevator Grouping : Simplex Full collective Well Dimension : 1915 mm width and 1927 mm depth (required) Head Room height : 4200 mm (required) Pit Height : 1665 mm (required) MAP Floor Position : Topmost floor Car dimensions : 1300 mm wide x 1100 mm deep x 2200 mm height Door dimensions : 800 mm wide x 2000 mm height Door type : Two-panel centre opening Plain Panel FINISHES Car design : Stainless Steel -Milkyway Car Panel Finish : Stainless steel Hairline AISI441 Handrail : Round Bend Handrail Stainless Steel at Rear Wall Ceiling & Lighting : Integrated Roof RL75 Stainless Steel Pyramid Lighting LED Flooring : 3 mm PVC -Pattern Dark Grey Marble Pattern Car Door Finish : Stainless steel Hairline AISI441 Landing Door Finish : Stainless steel Hairline AISI442 Floor Mark : 0, 1, 2, 3, 4, 5 Interfloor distance : 3900 mm Landing Door Material : Stainless steel Hairline AISI441 Car Operating Panel : 1 Full Height Stainless Steel Face Plate ST4 -Silver brushed StSt Segmented LCD display Square surface mounted Buttons KDS90 Landing Signalization : Stainless Steel 7 segment display Surface Mounted ST4-Silver brushed KDS90	EACH	1.00		1.00		0.00
641	12.3		Supply, installation, testing & commissioning of the Passanger elevator (16 persons, 1088 kg) with machine room as per following specifications : Elevator Type : Passenger Elevator PTU16/10-19 Product : KONE U MiniSpace No. of Units : 1 Load & Capacity : 1088 kg or 16 persons Speed : 1 m/s Stops & Openings : 6 stops & 6 openings, Single entrance car Travel height : 19.6 m Elevator Grouping : Duplex-Adjacent Full collective 2e-DX Line shared Lcs Well Dimension : 2479 mm width and 2123 mm depth (required) Head Room height : 6176 mm (required) Pit Height : 1650 mm (required) MAP Floor Position : Ex Machine room Car dimensions : 1800 mm wide x 1450 mm deep x 2200 mm height Door dimensions : 1000 mm wide x 2000 mm height	EACH	2.00		2.00		0.00
	XIII		WiFi + DATA + Voice Networking Solution & IP PBX						
			Horizontal Structured Cabling System - DATA On CATEGORY 6						

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
642	13.1	1	Category 6 LSZH U/UTP cable , 23Awg 4-pair, (305 mtr. reel in a box) gray color for "Data" . Part Number: 2-1427215-4 & Make: AMP-Tyco or approved equivalent.	BOX	15.00		15.00		0.00
		2	1-Port british style shuttered faceplate (3"x3") square, color white. Part Number: 235001-1 & Make: AMP-Tyco or approved equivalent.	PIECE	30.00		30.00		0.00
		3	2-Port british style shuttered faceplate (3"x3") square, color white. Part Number: 235001-2 & Make: AMP-Tyco or approved equivalent.	PIECE	70.00		70.00		0.00
		4	4-Port british style shuttered faceplate (3"x3") square, color white. Part Number: 1859053-1 & Make: AMP-Tyco or approved equivalent.	PIECE	10.00		10.00		0.00
		5	Category 6, sl series modular jacks yellow color for DATA (Workstation End). Part Number: 0-1375055-8 & Make: AMP-Tyco or approved equivalent.	PIECE	76.00		76.00		0.00
		6	Category 6, sl series modular jacks yellow color for DATA (Rack/ Switch End). Part Number: 0-1375055-8 & Make: AMP-Tyco or approved equivalent.	PIECE	76.00		76.00		0.00
		7	Category 6, sl series LSZH patch cords - 7 feet/ 2 meter yellow color for DATA (Workstation End). Part Number: 1859281-2 & Make: AMP-Tyco or approved equivalent.	PIECE	76.00		76.00		0.00
		8	Category 6, sl series LSZH patch cords - 7 feet/ 2 meter yellow color for DATA (Rack/ Switch End). Part Number: 1859281-2 & Make: AMP-Tyco or approved equivalent.	PIECE	76.00		76.00		0.00
		9	Sl series 48 port jack panel, straight unloaded 1u for DATA. Part Number: 1933307-1 & Make: AMP-Tyco or approved equivalent.	PIECE	2.00		2.00		0.00
643	13.2	Horizontal Structured Cabling System - Voice On CATEGORY 6							
		10	Category 6 LSZH U/UTP cable , 23Awg 4-pair, (305 mtr. reel in a box) gray color for "Voice" . Part Number: 2-1427215-4 & Make: AMP-Tyco or approved equivalent.	BOX	21.00		21.00		0.00
		11	Category 6, sl series modular jacks blue color for Voice (Workstation End). Part Number: 0-1375055-6 & Make: AMP-Tyco or approved equivalent.	PIECE	125.00		125.00		0.00
		12	Category 6, sl series modular jacks blue color for Voice (Rack/ Switch End). Part Number: 0-1375055-6 & Make: AMP-Tyco or approved equivalent.	PIECE	125.00		125.00		0.00
		13	Category 6, sl series LSZH patch cords - 7 feet/ 2 meter yellow color for DATA (Riser panel End). Part Number: 1859277-2 & Make: AMP-Tyco or approved equivalent.	PIECE	125.00		125.00		0.00
		14	Sl series 48 port jack panel, straight unloaded 1u for Voice. Part Number: 1933307-1 & Make: AMP-Tyco or approved equivalent.	PIECE	3.00		3.00		0.00
644	13.3	Horizontal Structured Cabling System - Uplink On CATEGORY 6							
		15	Category 6 LSZH UTP cable , 23Awg 4-pair, (305 mtr. reel in a box) gray color for "Uplink" . Part Number: 2-1427215-4 & Make: AMP-Tyco or approved equivalent.	BOX	2.00		2.00		0.00
		16	Category 6, sl series modular jacks red color for Uplink (Network & Server Rack End). Part Number: 0-1375055-7 & Make: AMP-Tyco or approved equivalent.	PIECE	28.00		28.00		0.00
645	13.4	17	Category 6, sl series LSZH patch cords - 7 feet/ 2 meter red color for Uplink (Network & Server Rack End). Part Number: 1859279-2 & Make: AMP-Tyco or approved equivalent.	PIECE	28.00		28.00		0.00
		Rack Components							
		18	Catalyst 2960-X 24 GigE PoE 370W, 2 x 10G SFP+, LAN Base . Part Number: WS-C2960X-24PD-L & Make: CISCO or approved equivalent including supply and installation of Power Retainer Clip For 3560-C, 2960-C and 2960-L Switches, Part Number: PWR-CLP & Make: CISCO	PIECE	3.00		3.00		0.00
		19	5 Years SNTC-8XSXNBD Catalyst 2960-X 24 G , Part Number: CON-SNT-WSC604DL & Make: CISCO or approved equivalent including supply and installation of 10A Power cable, Part Number: CAB-IND-10A & Make: CISCO	PIECE	3.00		3.00		0.00
		22	10GBASE-SR SFP Module, Enterprise-Class, Part Number: SFP-10G-SR-S & Make: CISCO	PIECE	3.00		3.00		0.00
		23	Catalyst 2960X-48TS-IN, Part Number: WS-C2960X-48TS-IN & Make: CISCO	PIECE	3.00		3.00		0.00
		24	5 Years SNTC-8XSXNBD Catalyst 2960-X 48TS, Make: CISCO	PIECE	3.00		3.00		0.00
645	13.4	25	1U horizontal pvc cable manager (with cover) - 3" deep single sided. Part Number: 1U-PVC-ABS & Make: APW President	PIECE	1.00		1.00		0.00

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		26	42U Rack with accessories (800*800). Part Number: Standard & Make: APW-President	PIECE	1.00		1.00		0.00
		27	25mm PVC Conduit with accessories. Part Number: Standard & Make: BEC	METER	750.00		750.00		0.00
		28	32mm PVC Conduit with accessories. Part Number: Standard & Make: BEC	METER	450.00		450.00		0.00
		29	Hardware front panel mtg pkt of 20. Part Number: 70-1037 & Make: AWB President	PIECE	7.00		7.00		0.00
			Voice Connectivity Components						
		30	50 Pair voice riser cable - un-armoured, Part Number: Standard & Make: Delton	METER	30.00		30.00		0.00
		31	200 pair voice MDF box with krone module/ strips & accessories, Make: Standard	PIECE	1.00		1.00		0.00
		32	Cat 3, 50 Port 1U Telephone Patch panel for Cat 3 Riser Connectivity, Color Black, Height 1U For Voice Source. Part Number: 1711214-2 & Make: AMP-Tyco	PIECE	3.00		3.00		0.00
			Miscellaneous Components						
		33	Velcro ties (roll of 25-30 meter.) Make: Standard	ROLL	2.00		2.00		0.00
		34	200Mm tie-belt (100 pcs. Packet), Make: Standard	PACKET	2.00		2.00		0.00
		35	6mm alpha-numeric yellow color ferrule, Make: Standard	PACKET	10.00		10.00		0.00
		36	Computerized labels for patch cords, jack panel & face plates, Make: Standard	LUMPSUM	1.00		1.00		0.00
			OFC Backbone Cabling Components						
		37	OM4, LazrSPEED® 550 Part Number: 760039974 & Make: Netconnect	METER	500.00		500.00		0.00
		38	FMS Fiber Optic Termination/Splice Panel, 1U, 19 in, 12 LC/UPC, multimode, OM4, black Part Number: 4-2122146-2 & Make: Netconnect	PIECE	5.00		5.00		0.00
		39	Fiber Patch Cord, 3 MT, 2-Fiber, LazrSPEED 550 (OM4) 50 µm Multimode Fiber, LC to LC, 1.6 mm Duplex, LSZH, Aqua Jack Part Number: FFXLCLC42-MXM003 & Make: Netconnect	PIECE	14.00		14.00		0.00
			WIFI Access Point						
		40	802.11ac W2 AP w/CA; 4x4:3; Int Ant; 2xGbE D Part Number: AIR-AP2802I-D-K9 & Make: CISCO	PIECE	30.00		30.00		0.00
		41	5 YR SNTC 8X5XNBD 802.11ac W2 AP w/CA; Part Number: CON-3SNT-AI210DK9 & Make: CISCO	PIECE	30.00		30.00		0.00
			Quoted Rates for Sr. no. 40 & 41 to be inclusive of item no. 42, 43, 44 & 45						
		42	Ceiling Grid Clip for Aironet APs - Recessed Mount (Default) Part Number: AIR-AP-T-RAIL-R & Make: CISCO	PIECE	30.00		30.00		0.00
		43	802.11 AP Low Profile Mounting Bracket (Default) Part Number: AIR-AP-BRACKET-1 & Make: CISCO	PIECE	30.00		30.00		0.00
		44	Cisco Aironet 2800 Series CAPWAP Software Image Part Number: SW2802-CAPWAP-K9 & Make: CISCO	PIECE	30.00		30.00		0.00
		45	CISCO DNA SUBSCRIPTION OPTOUT for AIR2800 Part Number: AIR2800-DNA-OPTOUT & Make: CISCO	PIECE	30.00		30.00		0.00
			WIFI Central Controller						
		46	Supply and installation of Cisco 3504 Wireless Controller (Part Number: AIR-CT3504-K9 & Make: CISCO) including Cisco 3504 Wireless Controller SW Rel. 8.5 (Part Number: AIR-CT3504-SW-8.5 & Make: CISCO), AC Power Cord, Type C5, India (Part Number: CAB-AC-C5-IND & Make: CISCO) and Cisco 3504 Wireless Controller Power Supply (Part Number: PWR-115W-AC & Make: CISCO)	PIECE	1.00		1.00		0.00
		47	Supply and installation of 5 Years SNTC-8X5XNBD Cisco 3504 Wireless Controller (Part Number: CON-SNT-AIRCTRKT & Make: CISCO) including Cisco 3504 Wireless Controller SW Rel. 8.5 (Part Number: AIR-CT3504-SW-8.5 & Make: CISCO), AC Power Cord, Type C5, India (Part Number: CAB-AC-C5-IND & Make: CISCO) and Cisco 3504 Wireless Controller Power Supply (Part Number: PWR-115W-AC & Make: CISCO)	PIECE	1.00		1.00		0.00
		51	Cisco 3504 Wireless Controller 1 AP Adder License Part Number: LIC-CT3504-1A & Make: CISCO	PIECE	30.00		30.00		0.00
		52	3 Years SWSS UPGRADES Cisco 3504 Wireless Controller 1 AP Adde Part Number: CON-ECMU-LICCTCTA & Make: CISCO	PIECE	30.00		30.00		0.00
			Services of passive & active components						

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650	13.9	53	Laying & pulling of UTP cables (cable laying pathway components i. e. cable tray, raceway, junction box, conduit-pipe & etc.-2 to be provided by customer at site).	METER	10,980.00		10,980.00		0.00
		54	Laying & pulling of 50 pair voice riser (cable laying pathway components i. e. cable tray, raceway, junction box, conduit-pipe & etc.-2 to be provided by customer at site).	METER	30.00		30.00		0.00
		55	Laying Charges of PVC Conduit on surface	METER	1,200.00		1,200.00		0.00
		56	Ferruling-numbering, bunching, tagging & dressing of utp cables (both end i.e. workarea & rack)	PIECE	230.00		230.00		0.00
		57	Installation & termination of information outlet workarea end	PIECE	230.00		230.00		0.00
		58	Installation, fixing of faceplate with computerised labeling-numbering	PIECE	110.00		110.00		0.00
		59	Installation, fixing, dressing & computerised labeling of 48 port patch panel unloaded 1u	PIECE	5.00		5.00		0.00
		60	Installation, termination, fixing, dressing & computerised labeling of 50 port patch panel loaded 1u	PIECE	3.00		3.00		0.00
		61	Installation & termination of information outlet rack end	PIECE	330.00		330.00		0.00
		62	Penta scanning-testing of utp cables	PIECE	76.00		76.00		0.00
		63	Documentation & certification of utp cables	LUMPSUM	1.00		1.00		0.00
651	13.1	II IP PBX System							
		Hybrid Key Telephone System							
		1	Business Communications Server: ISDN PRI Trunk: 02, Analogue Trunk: 06, Digital Extensions with Caller ID: 02, Analogue Extensions: 300, IP Extensions: 200. Can be extended upto 1600 channels. Part Number: KX-NSX 1000 & Make: Panasonic	PIECE	1.00		1.00		0.00
		Telephone Sets							
		2	IP Phone: -1-line 16 characters LCD -8 Flexible CO Buttons -2 x Gigabit Ethernet ports, -Power-over-Ethernet (PoE) Part Number: KX-NT551 & Make: Panasonic	PIECE	7.00		7.00		0.00
		3	IP Phone: 2 SIP Accounts 132 x 64 Pixel 2.3" graphical LCD with backlight HD Voice 2 x 10 /100M ports, PoE Part Number: KX-HDV130 & Make: Panasonic	PIECE	23.00		23.00		0.00
		4	Analog Phone: 2 SIP Accounts 132 x 64 Pixel 2.3" graphical LCD with backlight HD Voice 2 x 10 /100M ports, PoE Part Number: KK-T7705 & Make: Panasonic	PIECE	195.00		195.00		0.00
		Accessories							
		5	Required patch cords, connectors and mounting accessories @ both ends.	PIECE	450.00		450.00		0.00
		Audio Visual							
652	14.1	A 10-11 PAX CONFERENCE ROOM- 4TH FLOOR							
		DISPLAY SECTION							
		1	55 inch , 3840*2160 pixel, Brightness 400cd/m2, built in speaker- Connectivity HDMI / RS232C / RJ45 / USB Make : LG & Model : 55UT640S	EACH	5.00		5.00		0.00
		2	Universal Swingarm mount brackets Make : Custom	EACH	5.00		5.00		0.00
		VIDEO CONFERENCE SECTION							
		3	Room Kit with integrated microphone, speakers and Touch 10 Make : Cisco & Model : CS-KIT-K9	EACH	5.00		5.00		0.00
		4	Cisco Table Microphone with Jack plug Make : Cisco & Model : CS-MIC-TABLE-J	EACH	5.00		5.00		0.00
		5	Extension cable for the table microphone Make : Cisco & Model : CAB-MIC-EXT-J	EACH	5.00		5.00		0.00

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		6	Presentation cable 8m GREY HDMI 1.4b (W/ REPEATER) Make : Cisco & Model : CAB-PRES-2HDMI-GR	EACH	5.00		5.00		0.00
		7	CAB 1.5m GREY HDMI 2.0 - Second Monitor HDMI cable Make : Cisco & Model : CAB-2HDMI-1.5M-GR	EACH	5.00		5.00		0.00
		8	SNTC-8X5XNBD Room Kit with integrated microphone, Make : Cisco & Model : CON-SNT-CSKITK9	EACH	5.00		5.00		0.00
		9	SNTC-8X5XNBD Cisco Table Microphone with Jack plug Make : Cisco & Model : CON-SNT-CSMICTMP	EACH	5.00		5.00		0.00
			SWITCHING, INTERFACE & CONTROL SECTION						
		10	Cable Access Enclosure for AV Connectivity and AC Power Make : Extron & Model : Cable Cubby 700	EACH	5.00		5.00		0.00
		11	Retractor HDMI; 3 feet (90 cm) Make : Extron & Model : Retractor HDMI	EACH	5.00		5.00		0.00
		12	Retractor VGA M-M and 3.5 mm Stereo; 3 feet (90 cm) Make : Extron & Model : Retractor VGA-A	EACH	5.00		5.00		0.00
		13	Cable Retraction System for Cable Cubby® Enclosures - Network CAT 6 Make : Extron & Model : Retractor Series/2 Network	EACH	5.00		5.00		0.00
		14	Multi-Region (1) AC, (1) USBC & (1) USB A Outlets Make : Extron & Model : AC+USB 311 MULTI	EACH	5.00		5.00		0.00
		15	Meeting Space Collaboration System Includes Transmitter with 2 HDMI & 1 VGA + Audio, Receiver with built in Control capability, Auto switching between inputs. Make : Extron & Model : 42-268-01	EACH	5.00		5.00		0.00
		16	Wireless presentation gateway system Make : Extron & Model : Sharelink Pro 1000	EACH	5.00		5.00		0.00
			CABLES & CONNECTORS SECTION						
		17	Standard HDMI(M) to HDMI (M) Cable- 6ft Make : Kramer & Model : C-HM/HM-6	EACH	25.00		25.00		0.00
		18	15-pin HD (M) & 3.5mm Stereo Audio Cable- 6ft Make : Kramer & Model : C-GMA/GMA-6	EACH	5.00		5.00		0.00
		19	CAT-6 Cable in Mtrs (20 Mtrs) Make : Various & Model : Various	EACH	5.00		5.00		0.00
		20	AV conenctors and Consumables	EACH	5.00		5.00		0.00
		21	AV Storage Rack Make : Custom	EACH	5.00		5.00		0.00
			INSTALLATION & COMMISSIONING SECTION						
		22	Equipment installation, commissioning & Programming Charges	LUMPSUM	5.00		5.00		0.00
			B BOARD ROOM						
			DISPLAY SECTION						
		1	Installation & commissioning of existing Cisco TelePresence MX800 Dual floor stand to be supplied by OIL	EACH	1.00		1.00		0.00
			AUDIO SECTION						
		2	14 Channels Mixer, 4 groups output, with MP3 player and 24-bit DSP Make : itC & Model : TS-14PFX-4	EACH	1.00		1.00		0.00
		3	Stereo Feedback Suppressor Make : itC & Model : TS-224	EACH	1.00		1.00		0.00
		4	Professional 4 Channel Digital Audio Processor, 4 Inputs Make : itC & Model : TS-P440	EACH	1.00		1.00		0.00
		5	6.5" High-end Entertainment Conference Loudspeaker, 120W@8Ω Make : itC & Model : TS-606H	EACH	4.00		4.00		0.00
		6	Professional Loudspeaker Wall Mounted Bracket, suitable for Loudspeaker <10" Make : itC & Model : TS-02B	EACH	4.00		4.00		0.00
		7	Professional Stereo Amplifier, 2x200W@8Ω, with bridge, stereo, parallel selector and 1.44V,1V,0.775V selector Make : itC & Model : TS-200PI	EACH	2.00		2.00		0.00

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		8	Digital Wireless Conference Microphone: One reciever + 4 mics Make :itC & Model : TS-354UH	EACH	1.00		1.00		0.00
658	14.7		VIDEO CONFERENCE SECTION						
			SWITCHING, INTERFACE & CONTROL SECTION						
		23	Multimedia Paperless Conference Management Server (extra charge USD800 for copyrighted software) Make : itC & Model : TS-8300	EACH	1.00		1.00		0.00
		24	Paperless Conference Media Streaming Server (extra charge USD200 for copyrighted software) Make : itC & Model : TS-8308	EACH	1.00		1.00		0.00
		25	I3-7100 Interactive Paperless Conference Terminal, 4G DDR4 (extra charge USD200 for copyrighted software) Make : itC & Model : TS-8304A	EACH	11.00		11.00		0.00
		26	Ultra-thin 17.3" Paperless Capacitive LCD Screen Lift (Intelligent Elevation 0-30 Degrees), with conference microphone Make : itC & Model : TS-F173MT	EACH	11.00		11.00		0.00
		27	Full Digital Wifi Conference System Controller Make : itC & Model : TS-W100	EACH	1.00		1.00		0.00
		28	6-pin Conference Cable, 20M male-female extension cable Make : itC & Model : TS-20D	EACH	2.00		2.00		0.00
		29	Network Control Host, with 32-bit embedded processor, 2 network control interface Make : itC & Model : TS-9100N	EACH	1.00		1.00		0.00
		30	3 Series Control System with Mobile AAP- Optional to itC TS-9100N Make :Crestron & Model : CP3 + Mobile Pro	EACH	1.00		1.00		0.00
		31	8 Channel Power Sequencer, single channel max loading power 2200W, all channels 6000W Make : itC & Model : TS-820	EACH	1.00		1.00		0.00
		32	IPAD with Docking station for Controls of Paperless System Make : Apple & Model : Various	EACH	1.00		1.00		0.00
		33	Wireless Accesspoint Make : D-Link & Model : Various	EACH	1.00		1.00		0.00
			CABLES & CONNECTORS SECTION						
		34	Standard HDMI(M) to HDMI (M) Cable- 6ft Make : Extron & Model : HDMI Ultra/6	EACH	10.00		10.00		0.00
		35	15-pin HD (M) & 3.5mm Stereo Audio Cable- 6ft Make : Extron & Model : VGA-A M-M MD/6	EACH	2.00		2.00		0.00
		36	Shielded Twisted Pair Cable for XTP Systems and DTP Systems Make : Extron & Model : 22-236-03	EACH	1.00		1.00		0.00
		37	Shielded RJ-45 Plug Kit for Extron XTP DTP 24 Shielded Twisted Pair Cable Make : Extron & Model : 101-005-02	EACH	2.00		2.00		0.00
		38	Microphone Cable	METER	100.00		100.00		0.00
		39	Speaker Cable	METER	200.00		200.00		0.00
		40	AV conenctors and Consumables	LOT	1.00		1.00		0.00
		41	AV Storage Rack Make :Custom	EACH	1.00		1.00		0.00
			INSTALLATION & COMMISSIONING SECTION						
		42	AV Programming & Commissioning	LUMPSUM	1.00		1.00		0.00
		43	Equipment installation and commissioning	LUMPSUM	1.00		1.00		0.00
			Supply,Installation,Testing & Commissioning of Professional Grade 2 way Multipurpose FOH Loudspeaker System, LF - 12", HF - 1" exit, Max SPL : 129db / 1m, RMS Power : 400W (AES), Nominal Impedence : 8 ohms, Nominal Dispersion : 90 x 60, 7 Integrated flying points. Approved Make : Martin Audio / Celto Acoustique / Renkus Henz.	NUMBER		2.00	2.00		0.00
			Supply,Installation,Testing & Commissioning of High Quality Compact Subwoofer, Single 13", Max SPL: 130 db / 1m, 600W RMS / 1200W ProgramRMS, Nominal Impedence 4 ohms.Approved Make : Martin Audio / Celto Acoustique / Renkus Henz.	NUMBER		2.00	2.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
661	14.1		Supply,Installation,Testing & Commissioning of Two way Stage Monitor Loudspeaker system, LF - 8", HF - 1" Exit, Max SPL 121db/1m, RMS 150W, Nominal impedance : 8 ohms . Approved Make : Martin Audio / Celto Acoustique / Renkus Henz.	NUMBER		2.00	2.00		0.00
			Supply,Installation,Testing & Commissioning of Wall Mount Speakers for Green Room - LF - 5", , Max SPL 120db/1m, RMS 30W, Nominal impedance : 8 ohms. Approved Make : Martin Audio / Celto Acoustique / Renkus Henz.	NUMBER		1.00	1.00		0.00
			Supply,Installation,Testing & Commissioning of Professional Dual channel Power amplifier, 2x 300W @ 8 ohms, 2 x 450W @ 4 ohms, Inbuilt Xover - Bypass / Highpass / low pass operation . Approved Make : Martin Audio / VAL / Renkus Henz.	NUMBER		2.00	2.00		0.00
			Supply,Installation,Testing & Commissioning of Professional Dual Channel Power amplifier, 2 x 500W @ 8 ohms, 2 x 750W @ 4 ohms, 2 x 1000W @ 2 ohms, V Guard protection .Approved Make : Martin Audio / VAL / Renkus Henz.	NUMBER		2.00	2.00		0.00
			Supply,Installation,Testing & Commissioning of Professional Dual Channel Power amplifier, 100W @ 8 ohms, V Guard protection . Approved Make : Yamaha / Bosch / Pace.	NUMBER		1.00	1.00		0.00
			Supply,Installation,Testing & Commissioning of Slim Line Gooseneck Microphone with Polar pattern Hypercardioid , Frequency range 50 to 19,000 Hz , Sensitivity 12 mV/Pa, =-38 dBV re 1 V/Pa , Max. SPL125 dB (for 1% THD) , Equivalent noise level <21 dB-A , Signal/noise ratio (A-weighted) >73 dB ,Impedance<=600 ohms , Recommended load impedance>=2,000 ohms Supply voltage 9 to 52 V phantom power to DIN 45596 (DPA adapter integrated) Connector 3-pin male XLR complete as per the specifications. Approved Make : AKG/TOA/ Shure.	NUMBER		2.00	2.00		0.00
			Supply,Installation,Testing & Commissioning of Wired microphone - Wired Handheld Microphone, super cardioid polar, 50-16,000Hz, 100-14,000Hz (1m) etc. complete with installation as per the site requirement. Approved Make : AKG/TOA/ Shure.	NUMBER		2.00	2.00		0.00
			Supply,Installation,Testing & Commissioning of Microphone stand. Microphone Stand etc. complete with installation as per the site requirement. Make : Bosch / GS	NUMBER		2.00	2.00		0.00
			Supply,Installation,Testing & Commissioning of Cordless Handheld Microphone with Carrier frequency range: 660 to 865 MHz, 8 selectable frequencies. Signal/noise ratio: typ. 110 dB(A) Audio outputs: bal. XLR and unbal. 1/4 in. jack, output level adjustable, at rated deviation: 500 mV rms complete as per the specifications. Approved Make : AKG/TOA/ Shure.	NUMBER		1.00	1.00		0.00
			Supply,Installation,Testing & Commissioning of Digital Signal Processor, 2 balanced line inputs on plug-in barrier strips, 4 balanced outputs on plug-in barrier strips, Ethernet port for software configuration / control, serial port for third-party RS-232 remote control etc. complete with installation as per the site requirement. Approved Make :DBX / Ashley / Yamaha / V-Tech	NUMBER		1.00	1.00		0.00
			Supply,Installation,Testing & Commissioning of Audio mixing console . 22 total inputs mixing console with Effects, Mid-sweep 3-band mono channel EQ, 4-band stereo channel EQ, buses for flexible signal routing: main stereo bus, four group buses, six auxiliary buses, and send buses for the two internal effect processors etc. complete with installation as per the site requirement. Approved Make : Mackie / Soundcraft/Yamaha.	NUMBER		1.00	1.00		0.00
			Supply, Installation, Testing & commissioning of LED Indoor Video wall (True Colour) with 4.00 mm Pixel Pitch or lesser , Minimum size required 4300 x 2550 mm , BIS Certified , Brightness calibrated 800 Nits , Pixel Configuration SMD 3 in 1 LED , Color temperature 3200-3900K adjustable , Brightness uniformity 97% , Viewing angle 140/140 degree , complete with power distribution board & wall/ceiling mounting hardware , signal cables etc to make LED wall fully functional(Valid BIS certification LED wall to be provided along with supply of material) . Approved Make : Barco / Delta / Mitsubishi .	NUMBER		1.00	1.00		0.00

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
			Supply, installation, testing & commissioning of Controller cum processor with Inputs of 1 x HDMI, 1x DVI, 2 x VGA , 2 xCVBS, 1 xDPI, SDI & 4 x scaled outputs , mage processor to display Picture in Picture , or single.Approved Make : Barco / Delta / Mitsubishi / LED OEM Certified.	NUMBER		1.00	1.00		0.00
			Supply,Installation,Testing & Commissioning of Wireless Digital Data Transmitter for transmission of Data / Video signal from laptop with 2 switches to connect laptops , Operating system Windows XP/Vista/7/8/8.1 32 & 64 bit Mac OSX 10.6/10.7/10.8/10.9 , Android 2.2) . Approved Make : Barco /Vowvision	NUMBER		1.00	1.00		0.00
			Supply, installation, testing & commissioning of PTZ ,Camera with HD Resolution Real High Definition Image with 1/2.8 inch or better, high quality HD CMOS sensor , 1920 x 1080 super high quality video ,20 x or more zoom with 12x or more digital zoom, Pan Range: 170deg or more With HD output interface for video & RS 232/ RS 422 for controls 10 or more preset position . Approved Makes : Lumens / Panasonic / Bosch .	NUMBER		3.00	3.00		0.00
			Supply, installation, testing & commissioning of Joystics control for the above mentioned cameras with control capacity upto 4 nos. cameras , PAN / Tilt / Zoom feature.Approved Makes :Panasonic / Lumens / Bosch .	NUMBER		1.00	1.00		0.00
			Supply, installation, testing & commissioning of Preview Monitor of 18" diagonal , Resolution 1920 x 1080 .Approved Makes : LG / Samsung / Viewsonic .	NUMBER		1.00	1.00		0.00
			Supply Installation Testing & Commissioning of Touch Control System with 7 " Touch panel , Control processor with required IR Probes to control AV equipments . Approved Make : Crestron / AMX / Neets.	NUMBER		1.00	1.00		0.00
			Supply,Installation,Testing & Commissioning of Floor Junction Box with XLR Connector. Approved Make : Customized.	NUMBER		4.00	4.00		0.00
			Supply,Installation,Testing & Commissioning of HDMI Twisted pair long distance transmitter cum receiver for sending HDMI, audio, and bidirectional RS-232 and IR signals, Range up to 100 feet over a shielded CATx cable , Resolution up to 1920 x1200, 1080p/60 Deep Color, and 3D . Approved Make : Extron / Delta / Lightware.	NUMBER		4.00	4.00		0.00
			Supply,Installation,Testing & Commissioning of Video Data Switcher Cum scaler with 4 x HDMI Inputs , 2 X VGA Output , 1 x Scaled Output on HDMI. Approved Make : Extron / Delta / Logic.	NUMBER		1.00	1.00		0.00
			Supply,Installation,Testing & Commissioning of HD recording & Streaming processor, supporting H.264, with Internal recording of minimum 1 Tb , media server , multicasting on H.264+/H.264, Network Interface 1 x RJ-45 port(1000Mbps) complete as per the specifications . Approved Make: Extron / Mediapointe / Panasonic	NUMBER		1.00	1.00		0.00
			Supply,Installation,Testing & Commissioning of Equipment Rack with front door , Castors . Approved Make : Valrack / President / EL	NUMBER		1.00	1.00		0.00
			Supply,Installation,Testing & Commissioning of Shielded Twisted Pair Cable , Conductor Metal: Solid Bare Copper with 23 AWG Color Code: Blue/ Grey (or any combination) , Jacket Material: PVC UL94V-0 .Approved Make : Krystal / Polycab / Belden / D-Link.	RUNNING METER		200.00	200.00		0.00
			Supply,Installation,Testing & Commissioning of Speaker cable Stranded 2 X 1.5 sq mm, PVC insulated and soft PVC sheathed copper low loss, low conductance. Approved Make : Krystal / Polycab / Belden / D-Link.	RUNNING METER		200.00	200.00		0.00
			Supply,Installation,Testing & Commissioning of Microphone Cable with high-quality shielded pair for routing balanced mono or unbalanced stereo mic stranded 20AWG tinned copper.Approved Make : Krystal / Polycab / Belden / D-Link.	RUNNING METER		400.00	400.00		0.00
		1	Installation & commissioning of existing Cisco TelePresence MX800 Dual floor stand to be supplied by OIL	EACH	1.00		1.00		0.00
	XV		BUILDING MANAGEMENT SYSTEM				0.00		

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					1st Phase	2nd phase	TOTAL FPR BOTH PHASES		
662	15.1	1	BMS PC: PC 17 Processor , 2.93GHz, 4MB Cache with 16 GB RAM, & 1 TB HDD, 10/100 Mbps Ethernet card, USB connection & internal modem, Microsoft(R) Windows(R) 10 OS Professional Enterprise, DVD-ROM Drive (with RAM), 100/1000 Mbps NIC for Network connection and anti virus software with 21" colour graphics monitor Accessories included Optical Mouse, Key Pad.	NUMBER	1.00		1.00		0.00
663	15.2	2	Printer: Laserjet B&W A4 printer with the above BMS System configuration.	NUMBER	1.00		1.00		0.00
664	15.3	3	Ethernet Switch: 8 Port 10/100 Mbps Ethernet Switch	NUMBER	1.00		1.00		0.00
665	15.4	4	UPS: Online UPS 1 KVA with 30 mins backup	NUMBER	1.00		1.00		0.00
666	15.5	5	BUILDING MANAGEMENT SYSTEM WEB-BASED SERVER SOFTWARE: Supply, installation, testing and commissioning Web Based Graphical Software meeting the requirements in the Given I/O points and technical specifications including configuration and facility to create / provide the graphic mapping for all I/O points , animate the Graphics, Navigation between pages, display of logs, changing the time zones, popup alarms, configurable password protection for Building Management System as per Specifications. Software shall be able to communicate with Lonworks, Bacnet, Modbus devices simultaneously, with unlimited user capacity. Same software can be utilized as programming / commissioning software of DDC, NAC etc. Software should be capable to handle min. 2500 IO points (All required Software with original license competent with BMS software)	NUMBER	1.00		1.00		0.00
667	15.6	6	SYSTEM INTEGRATION UNITS/NETWORK AREA CONTROLLERS): Supply, installation, testing and commissioning of Controller shall have 2 Nos. 10/100 MB Ethernet Ports, 2 Nos. RS-485 Ports and Controller shall be expandable upto 6 Nos. RS485 Ports. Controller shall have 1GB DDR3 SD RAM, Removable Micro SD Card with 4GB Flash Total Storage. Power Supply of Controller shall be of same make as of Controller. Controller shall be UL/ BTL Certified. a) For Lighting Control system on Bacnet/IP, 300 points b) For Fire Alarm system Panel on Modbus/ BACnet/IP, 300 points c) VRV indoor Units on BACnet/IP, 500 points d) Lifts (3 nos) on Modbus RS485 , 45 points e) VFD's 10 point wach	NUMBER	1.00		1.00		0.00
668	15.7		UL & BTL Automation stations / DDC Controllers: Dismantling the existing DDC Panels and supply & installation of DDC panels comprising of controllers. The controllers shall be 32 bit microprocessor based and networkable type with real-time clock and peer-to-peer communication. DDC Controller should have Minimum on board 21-Points with locable 16G MS mounting cabinets duly powder coated connector strip, internal wiring and space to house controller & relays, connector strip current transformer, MCB, internal wiring. DDCs requiring more than 2-additional Plug in type IO Module cards or expansion modules to suffix therequiremen to frequired inputs/outputs are not acceptable. (Contractor shall consider DDC's with I/O provision w.r.t existing system) Make : honeywell webs ALC/ Alerton/ Trend						
		(a)	For Chillers / CHwater pumps/Condensor water pumps/Secondary pumps/ Cooling towers	PIECE	1.00		1.00		0.00
		(b)	Air Handling Units (Dedicated Controller for each AHU)	PIECE	11.00		11.00		0.00
		(c)	Exhaust Fans	PIECE	2.00		2.00		0.00
		(d)	D G Set	PIECE	1.00		1.00		0.00
669	15.8		Dismantling of the existing BMS sensors / devices and supply, installation testing commissioning of following field sensors / devices Make : honeywell webs ALC/ Alerton/ Trend						
		(a)	Duct type Temperature sensors for Return Air	PIECE	11.00		11.00		0.00
		(b)	Immersion Type Temp sensors with thermowells	PIECE	11.00		11.00		0.00
		(c)	Differential Pressure sensor (water)	PIECE	1.00		1.00		0.00
		(d)	Differential Pressure Switch for (Blower/ filter)	PIECE	22.00		22.00		0.00
		(e)	Ambient Temp+ RH sensor	PIECE	1.00		1.00		0.00
		(f)	Water Level Switch. Make : Veksler/ dwyer	PIECE	2.00		2.00		0.00
		(g)	CO sensors	PIECE	4.00		4.00		0.00
		(h)	Relays/switch for potential free contacts from existing electrical panels. Make : PLA/PE	PIECE	25.00		25.00		0.00
		(i)	water flow switch	PIECE	2.00		2.00		0.00
		(j)	Flame proof level switch. Make : Veksler/ dwyer	PIECE	20.00		20.00		0.00
			Cabling						
		(k)	Communication Cable (Cat-6 or eq) . Make : D Link	RUNNING METER	400.00		400.00		0.00
		(l)	20mm MS conduit with mounting accessories. Make : NIC / BEC	RUNNING METER	400.00		400.00		0.00

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		(m)	Signal Cable 2C*1.5 sqmm ATC unarmored , shielded cable. Make : Fusion / equivalent.	RUNNING METER	1,500.00		1,500.00		0.00
		(n)	25mm MS conduit with mounting accessories. Make : NIC / BEC	RUNNING METER	500.00		500.00		0.00
		(o)	GI flexible conduit	RUNNING METER	200.00		200.00		0.00
	XVI		CCTV Surveillance System						
670	16.1		CP Plus IP Dome Camera: 2 MP Resolution, 1/2.9" 2Megapixel progressive CMOS, H.264+ & H.264 dual-stream encoding, 20fps@2MP, DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC, Multiple network monitoring, 3.6mm Lens Max IR LEDs Length 30m, PoE, Privacy masking feature.	PIECE	25.00		25.00		0.00
671	16.2		CP Plus IP Bullet Camera: 2 MP Resolution, 1/2.9" 2Megapixel progressive CMOS, H.264+ & H.264 dual-stream encoding, 20fps@2MP, DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC, Multiple network monitoring, 3.6mm Lens Max IR LEDs Length 30m, PoE, Privacy masking feature, IP66	PIECE	3.00		3.00		0.00
			Passive Equipments						
672	16.3		D-Link DGS-1210-28P: 24 Port 10/100/1000M PoE with 2 Combo SFP ports Web Smart Switch	PIECE	2.00		2.00		0.00
673	16.4		Loaded Jack Panel: 24 Port	PIECE	2.00		2.00		0.00
674	16.5		Cable Manager, Gand Box & Accessories	SET	1.00		1.00		0.00
675	16.6		Dynamic: 24U Floor Rack with complete accessories	PIECE	1.00		1.00		0.00
	XVII		SIGNAGE						
676	17.1		Supply, Installation of Signage as per following specification: (a) Signage with real time temperature /date / AQI and Outdoor Visual Display (b) Supply of Outdoor Visual Display (Model: S10) Size: 28.35x9.45 ft (c) Software (for control of LED Video Wall) (d) Testing & Installation (e) Intelligent Media Player (f) Automated Realtime Humidity, AQI & Temperature Sensors (g) On-site Warranty solution for one year including strengthening of existing stand	LOT	1.00		1.00		0.00
			Rebate / buy back items						
			Note:						
			Rebate / buy back items are those items which have substantial resale value.						
			The contractor shall dismantle these items and take them away for disposal at his own cost . The bidder shall be free to transfer them from the site and dispose them off in any manner. The contractor shall dismantle & remove these items in stages so that partial functioning of the building during Phase -I is not adversely affected.						
			The bidder should visit the building to get a complete idea about the items covered in this head with respect to the state of these items, resale value, dismantling and other costs involved.						
			The bidder shall quote lump sum amounts for these items. The lump sum amount shall take into account the dismantling, handling, transportation and any other charges as well as the resale value of these items.						
			No payment shall be made to the bidder on account of dismantling , handling , transportation and any other charges in respect of the Rebate / buy back items.						
			The amount quoted by the bidder for these items shall be deducted from the total bid value for execution of work to arrive at the final bid value.						
			The buy back items shall not cover loose furniture, water and fire pumps etc.						
			1 Civil, Interior, plumbing & sanitary fittings / fixture	LUMPSUM	1.00		1.00		0.00
			2 HVAC	LUMPSUM	1.00		1.00		0.00
			3 Fire fighting system	LUMPSUM	1.00		1.00		0.00
			4 Electrical	LUMPSUM	1.00		1.00		0.00
			5 Lifts	LUMPSUM	1.00		1.00		0.00
TOTAL ESTIMATED CONTRACT COST INCLUDING ALL TAXES BUT EXCLUDING GST LESS REBATE / BUY BACK ITEMS (Rs.), I									0.00
GST AMOUNT PAYABLE EXTRA ON TOTAL ESTIMATED CONTRACT PRICE (Rs.), II									
TOTAL EVALUATED CONTRACT COST INCLUDING ALL TAXES & GST (Rs.), III = I+II									₹ 0.00
GST RATES CONSIDERED BY BIDDER IN ESTIMATED CONTRACT PRICE								IGST :	
								CGST :	
								SGST :	
SAC Code:									