

INDIA TRADE PROMOTION ORGANISATION
PRAGATI MAIDAN, NEW DELHI

Tender No. ITPO/ITSD/Wi-Fi_IECC/2022

Date: 11.10.2022

TENDER DOCUMENT

Selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model.

**India Trade Promotion Organisation
Pragati Bhawan, Pragati Maidan
New Delhi – 110001**

Tender No. ITPO/ITSD/Wi-Fi_IECC/2022

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Online bids are invited through two bid system for ***“Selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model”***. Manual bids shall not be accepted. The details of tender are as under.

Sr. No.	Name of Work	Earnest Money (INR)	Cost of tender (INR)
1.	Selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model	Rs. 2,50,000/-	Rs. 5,900/-

1. The tender documents are available on our website www.indiatradefair.com (for reference only) & www.eprocure.gov.in and same can be downloaded.
2. Tender documents may be downloaded from ITPO's website www.indiatradefair.com (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in CRITICAL DATE SHEET as under.

INDICATIVE CRITICAL DATE SHEET

Publish Date	11.10.2022
Bid Document Download Start Date	11.10.2022
Bid Submission Start Date	11.10.2022
Last date of submission of queries	16.10.2022
Pre-bid meeting	18.10.2022 (11.30 A.M.)
Bid Submission End Date	26.10.2022 (3.00 P.M.)
Technical Bid Opening Date	27.10.2022 (3.30 P.M.)
Validity of Bid	180 days from the last date of submission of bids.

For any query / clarifications, written submissions may be sent to Email Id: [‘monicagehlot@itpo.gov.in’](mailto:monicagehlot@itpo.gov.in) / [‘info@itpo.gov.in’](mailto:info@itpo.gov.in).

3. Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>. Tenderers/Contractors are advised to follow the instructions provided in the 'Instructions to the Contractors/Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e-procurement at <https://eprocure.gov.in/eprocure/app>'. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
4. Not more than one tender shall be submitted by one contractor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e. when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.
5. Tenderer who has downloaded the tender from the ITPO's web site www.indiatradefair.com (for reference only) and Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, **shall not modify the tender form including downloaded price bid template in any manner.** In case if the same is found to be tampered/ modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with ITPO.
6. Intending tenderers are advised to visit again ITPO website www.indiatradefair.com and CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.

Payment & Tender cost

1. Earnest Money Deposit & Cost of tender is to be deposited through NEFT/ RTGS/ online payment mode(s) in favour of "India Trade Promotion Organisation" payable at New Delhi before bid opening date/time as mentioned in critical date sheet.
2. The tender fee/ cost of tender shall be non-refundable.
3. Bids will be opened as per date/time as mentioned in the **Tender Critical Date Sheet.** After online opening and evaluation of technical bids, the results of their qualification as well Price-Bid opening will be intimated later.

Submission of Tender

1. The tender shall be submitted online in two parts, viz., 'Technical bid' and 'Financial bid'.
2. All the pages of bid being submitted must be sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.
3. The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.

Instructions for Online Bid Submission

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid

Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:
<https://eprocure.gov.in/eprocure/app>.

REGISTRATION

- 1) Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online Bidder Enrolment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective „My Tenders“ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before

submitting their bids.

- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or „Other Important Documents"" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 4) The server time (which is displayed on the bidders" dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 5) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system

generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers' public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- 6) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 7) Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 8) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 3070 2232, 91-7878007972 and 91-7878007973.

1. INVITATION FOR PROPOSAL

1.1 Objective

This Tender Document is issued by ITPO, New Delhi for ***“Selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model”***. Bidders are advised to study this Tender document carefully before submitting their proposals in response to the Tender notice. Submission of a proposal in response to this Tender notice shall be deemed to have been done after careful study and examination of this document with full understanding of the terms, conditions, implications, site conditions and deliverables from ITPO.

1.2 The Client – ITPO

ITPO is the premier trade promotion body under the administrative control of the Ministry of Commerce & Industry, Govt. of India. ITPO provides a wide spectrum of services to trade and industry and acts as a catalyst for growth of India's trade. ITPO has an extensive infrastructure as well as marketing and information facilities that are availed by both exporters and importers. It assists buyers seeking information relating to sourcing products from India and providing opportunities for India's trade and investment.

A famed 'Cradle of South-Asian Modern Fair Culture', Pragati Maidan is poised for a complete revamp to fulfill the aspirations of the global exhibition fraternity, to be re-developed into International Exhibition-cum-Convention Centre (IECC). It promises to attract global participants and business delegates from across the world with its sheer magnificence, business conduciveness, architectural excellence, and being a majestic landmark destination to be experienced in its entire splendor. IECC will be a landmark and iconic spot in Delhi and a symbol of the Prime Minister's vision of 'New India' in sync with India aspiring to be a global power. Fulfilling aspirations of expanding the business fraternity, IECC will mainly cater to G2G, G2B and B2B activities. With the latest architectural design along with basement parking for about 4,800 vehicles and comprehensive traffic decongestion interventions, it will add to the grandeur, stature and profile of the capital city of Delhi.

Major Highlights of IECC:-

- a) The project proposal includes the development of 3,82,248 sqm. of total built up area including :
 - state-of-the-art Convention Centre of an area of 53,399 sq.mtrs.
 - six modern Exhibition Halls spread across area of 1,51,687 sq. mtrs
 - Basement parking for 4800 cars spread across 1,68,305 sq. mtrs. area
 - Administrative building in an area of 8,857 sq.mtrs.
- b) An area of 3.70 acres on Bhairon Marg with independent entry and exit points is also being monetized for a luxury hotel as a part of the complex in line with the fact that hospitality, worldwide, is an integral part of any modern MICE destination.

c) Convention Centre

- i. It will be a 34m tall landmark building at par with the best in the world. This structure will be on an elevated podium with a unique sloping facade incorporating the rich architectural heritage of Delhi.
- ii. It will have a seating facility for 7000 pax in a single format (a Plenary Hall of 3000 pax capacity and a multi-Function hall of 4000 pax), five times that of Vigyan Bhawan, along with 25 meeting rooms of different capacities and comprising G20 and Premium rooms.
- iii. It will also have an amphitheatre of 3,000 seating capacity.

2. DEFINITIONS

“Applicable Law” - means all relevant laws in force and effect as on date hereof and which may be promulgated or brought into force and effect hereinafter in India, including judgments, decrees, injunctions, Writs or orders of court, as may be in force and effect during the subsistence of this Tender Document.

“Tender Document” - shall mean the document submitted by the bidder, pursuant to understanding and agreeing with the terms and conditions set out in this Tender Document.

“ITPO” - ITPO means India Trade Promotion Organisation.

3.DISCLAIMER

The information contained in this bid document or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of ITPO is provided to Investors/Bidder(s) on the terms and conditions set out in this document and such other terms and conditions subject to which such information is provided. By acceptance of this Tender document, the recipient further agrees that this Tender document may not be distributed, reproduced or used for any other purpose than appointment of an agency for commissioning, operation, management and maintenance of Wi-Fi network and wired internet services in International Exhibition-cum-Convention Center (IECC) complex at Pragati Maidan, New Delhi on revenue sharing model.

The recipient agrees that it will cause its Directors, Partners, officers, employees and representatives and any other parties who provide services to the recipient to use the Tender document for the purposes in the manner stated above. ITPO does not make any representation or warranty expressed or implied, as to the accuracy, authenticity, timeliness and/or completeness of the information contained in this Tender document. Each bidder should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this Tender document. ITPO also accept no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any bidder upon the statements contained in this Tender document. ITPO may in their absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this Tender document. The issue of this Tender document does not imply that ITPO is bound to select a bidder and ITPO reserves the right to reject all or any of the bidders or bids without assigning any reason whatsoever.

4.INTERPRETATION:

In this Tender Document, unless the context otherwise requires,

- a) For the purpose of this Tender Document, where the context so admits,
 - i. The singular shall be deemed to include the plural and vice versa and
 - ii. Masculine gender shall be deemed to include the feminine gender and vice-versa.
- b) References to a “*person*” if any shall, where the context so admits, include references to natural persons, partnership firms, companies, bodies, corporate and associations, whether incorporated or not or any other organization or entity including any governmental or political subdivision, ministry, department or agency thereof;
- c) References to Clauses, Recitals or Schedules are references to clauses and recitals of and schedules to the Contract and the Tender Document. The Schedules, annexure and addendums shall form an integral part of this Contract.
- d) Any reference herein to a statutory provision shall include such provision, as is in force for the time being and as from time to time, amended or re-enacted in so far as such amendment or re-enactment is capable of applying to any transactions covered by this Contract. Any references to an enactment include references to any subordinate legislation made under that enactment and any amendment to, or replacement of, that enactment or subordinate legislation. Any references to a rule or procedure include references to any amendment or replacement of that rule or procedure.
- e) The headings and sub-headings are inserted for convenience only and shall not affect the construction and interpretation of this Tender Document. References to the word “include” and “including” shall be construed without limitation. Any reference today shall mean a reference to a calendar day including Saturday and Sunday.

5.DUE DILIGENCE

The bidder is expected to and shall be deemed to have examined all instructions, forms, terms and specifications in this Tender document. The bid should be precise, complete and in the prescribed format as per the requirement of the Tender document. Failure to furnish all information required as per the Tender document or submission of a bid not responsive to the Tender document in every respect will be at the bidder’s risk and may result in rejection of the bid. ITPO shall at its sole discretion be entitled to determine the adequacy/sufficiency of the information provided by the bidder.

6.COST OF BIDDING

The bidder shall bear all costs associated with the preparation and submission of its proposal and ITPO shall in no event or circumstance be held responsible or liable for these costs, regardless of the conduct or outcome of the bidding/ Tender process.

7.SCOPE OF THE WORK:

7.1 The broad scope of the project will include providing Wireless (Wi-Fi) and Wired Internet services [On-demand Broadband and Internet Leased Line (ILL) Services] in the desired locations of the entire Exhibition Center Complex of the IECC project. The Exhibition Center Complex primarily consists of Hall 1, Hall 2, Hall 3, Hall 4, Hall 5, Hall 6, Hall 7ABC, Hall 7D, Hall 7E, Hall 7F, Hall 8, Hall 9, Hall 10, Hall 11, Hall 12, Hall 12 A, Hall 14 and all adjoining areas including corresponding basement areas, pre-function areas, Food & Beverages (F&B) outlets` areas, Ticketing Plazas,

Security Check Points/ Plazas etc.

7.2 The Wi-Fi, Broadband and Internet Leased Line (ILL) Internet services shall be required for the events (including but not limited to exhibitions, seminars, conferences, other MICE events etc.) being held/ organized at upcoming IECC complex at Pragati Maidan, New Delhi by ITPO or any third party event organizer. The events are of different sizes and different nature.

7.3 There may be parallel events in various halls, conference rooms; meeting rooms etc. and connectivity may be required for each /any of the events depending upon the requirement from the organizer(s)/exhibitor(s).

7.4 The project is proposed to be executed on a Revenue Sharing model and allied corresponding terms & conditions.

7.5 It is desired to provide free public Wi-Fi to the exhibitors and visitors coming to Pragati Maidan for a defined period. Any user logging in to the ITPO's Wi-Fi network should be provided high-speed wireless internet free for limited duration after proper KYC completion and mobile number based OTP authentication. The minimum data upload/ download speed should be of prevalent industry practice. Broadband Internet services and Internet Leased Line (ILL) services required will have to be obtained by purchase of the available plans.

7.6 All the data collected on the captive portal after KYC of each user will be the property of ITPO and the Contractor shall handover all the data to ITPO in desired form. The contractor shall sign Non-Disclosure Agreement with ITPO for confidentiality and secrecy of the data collected through the captive portal and shall maintain data and all records as per applicable DoT guidelines

7.7 The network equipments required for the new halls of the Exhibition Center Complex viz. Hall 1, Hall 2, Hall 3, Hall 4, Hall 5, Hall 6 and Hall 14 and the adjoining areas will be provisioned by ITPO including the passive network components such as Network Racks, OFC, UTP, Structured cabling, jack panels, LIU etc., as per Bill of Materials (BOM) given at Annexure – XI. Hall 2, Hall 3, Hall 4 & Hall 5 will be available at the time of commencement of the contract, however Hall 1, Hall 6 and Hall 14 are under civil construction as on date and shall be available in due course. The equipments mentioned in the BOM will be available as per the schedule of hand-over of the halls accordingly. The bidders are advised to seek clarifications in detail regarding infra to be provided by ITPO, before submission of the Tenders so as to submit responses after complete understanding of the roles & responsibilities of the service provider and ITPO.

7.8 The additional network components required for the remaining halls viz. Hall 7 ABC, 7D, 7E, 7F, Hall 8, Hall 9, Hall 10, Hall 11, Hall 12, Hall 12A including all the passive network components such as Switches, APs, AP/ Network Controller(s), Network Racks, Cables, UTP, LIU etc. have to be assessed by the service provider after site survey and considering the Quality of Service (QoS) requirements. The required hardware/ software and network components shall be purchased and provided by the selected vendor. The bidders will be required to carry out site survey of the halls aforementioned and submit a Bill of Material (BoM) along with estimated price of the required equipments proposed for installation thereof.

The service provider will however, be required to construct hub rooms / switch rooms at the required locations within the halls/areas indicted above. All costs towards the same inter-alia including civil construction material, labour costs, transportation costs etc. will have to be borne any the service provider.

7.9 The service provider's scope would include installation, commissioning, operating, managing and maintaining the entire Wi-Fi and On-Demand event-specific Internet Services Network, provisioning adequate backhaul bandwidth, implementation of the Wi-Fi access captive portal, co-branded with ITPO, implementation of NOC, necessary tools to monitor and manage the entire system, testing and commissioning of the Wi-Fi network, monitoring the usage comprehensive maintenance of the entire network post successful Go-Live and maintenance of sufficient spares to ensure 24*7 uptime availability. All the manpower required for operating and managing the Wi-Fi network will be provided by the Contractor. Post Go-Live of the system, additional equipments if any required viz. switches, APs, cabling work etc. required for operating and managing the network are to be provided by the vendor at no additional cost to ITPO.

7.10 Exclusive Work Rights: - The service provider will ordinarily be given exclusive rights to provide Wireless Internet (Wi-Fi), Broadband Internet and Internet Leased Line (ILL) services in Exhibition Center Complex, Pragati Maidan for a period of three (3) calendar years starting from the date of award of work and for further two years in case of extension of the contract. The contract will be renewed every year after annual review of the contract in terms of the rates of the different services, QoS maintained by the vendor etc. ITPO reserves full rights to terminate the contract at any point of time with a three months notice period. The vendor shall also have the option to exit the contract with a notice of three months. The services must be operational on 24*7 basis during the contract period. Provision for automatic standby arrangements in case of any failure in the link has to be made by the contractor. The users should not face any inconvenience due to switching from one link to another link. ITPO, however reserves the rights to allow any outside service provider for providing the services covered in this contract on any exceptional occasion within the contract duration, at its sole discretion without assigning any reason whatsoever.

7.11 Backhaul Bandwidth: - The vendor has to make arrangements for adequate backhaul bandwidth from multiple ISPs to provide the desired Wireless Internet (Wi-Fi), Broadband Internet and Internet Leased Line (ILL) services in Exhibition Center Complex, Pragati Maidan from the date of award of work. Industry standard internet speeds should be provided in case of Wireless Internet (Wi-Fi) services and as per organizer/ exhibitor's requirement in case of Broadband Internet services & Internet Leased Line (ILL) services.

7.12 Security Features: - The complete Wi-Fi network should be compliant to Wi-Fi Certified WPA2 and WPA3 enterprise Wi-Fi security protocols or any other latest protocols. The service provider shall conduct Wi-Fi security audit after every year to avoid gaps, if any, in Wi-Fi security posture and to ensure compliance with the DOT regulations at its own cost and submit corresponding report to ITPO at the end of the contract year. The vendor will submit Wi-Fi security audit report before commencement of the operations and thereafter on yearly basis to ITPO ensuring compliance with the DOT regulations. Wi-Fi security audit may preferably be done by bodies such as Indian Computer Emergency Response Team (CERT-In) empanelled agencies or Data Security Council of

India (DSCI). Centralized authentication mechanism for subscribers and all compliances should be as per DOT/ Telecom Regulatory Authority of India (TRAI) mandated guidelines.

7.13 KYC Requirements, Captive Portal And BI Tool:- The vendor shall obtain Know Your Customer (KYC) details of each user as per DOT (Department of Telecom) guidelines and the connectivity shall be provided with a valid Login ID & Password and shall ensure that unique Login ID and Password do not have provision for simultaneous multiple logins. They may give more than one login ID and Password to a single subscriber for multiple usages for his internet account.

The details must be captured through a Captive Portal specifically developed for the same purpose and should also have a back-end Dashboard available to ITPO for monitoring the active connections, billing data/ details, generate MIS reports, business analytics etc. The captive portal should have SSL certificate embedded and all the personal data transmission should be in encrypted form. All data secrecy, confidentiality etc., shall be sole responsibility of the vendor and the vendor shall be solely responsible for any hacking, frauds, scams etc., if any occurring due to any lapse in the security of the network, data leakages etc.

The vendor has to integrate with the system a well established Business Analytics (BI) tool which may be utilized by ITPO to retrieve, analyze & report data and use it for further decision making. Deployed BI tool should be able to act on data to be analyzed and tune it into insightful and actionable business information. Non-compliance may attract penalty of Rs.1,50,000/- to be paid within 15 days from the date of invoice, failing which penal interest of 9% per annum shall be chargeable.

7.14 Revenue Sharing Model: - The revenue earned on account of the Wi-Fi, Broadband Internet and Internet Leased Line (ILL) Services` operations under the contract, after exclusion of all the applicable tax liabilities etc. will be shared between ITPO and the vendor.

ITPO will bill & charge the end-customers/users for the services and collect all the payment. Subsequent payment amounting to `X`% of total revenue earned minus service degradation credit earned by ITPO, as per SLA in accordance with agreed contractors shall be done by ITPO to the vendor on monthly basis.

Service Provider will issue or cause to be issued bills to ITPO for use of the wireless/ wired internet services. The Service Provider shall maintain such records so as to produce itemized billing information. The billing system of the Service Provider shall be able to generate the billing information, in adequate details. The directions of DOT/ TRAI, from time to time, in this regard shall apply.

The bidder(s) are required to propose to ITPO best viable and financially sustainable Business Plan(s) and Revenue Sharing Model(s) to ITPO as a response to this Tender. Finalized Revenue Sharing model will be decided accordingly by ITPO at its sole discretion. The bidder is required to quote over & above the minimum reserved revenue sharing percentage i.e. 10%.

7.15 Electricity Charges :- Electricity connection & consumption charges, as applicable, shall be borne by the vendor for entire contract duration.

7.16 Manpower Support:-The vendor will atleast depute a Project Manager and two Service Engineers at ITPO Office, Pragati Maidan, New Delhi on onsite basis to establish and maintain the services smoothly on permanent basis. The general working timings would be from 9.30 a.m. to

6.00 p.m. Additional manpower, if any required for running the services smoothly need to be deputed by the vendor at no additional cost to ITPO. The vendor has to ensure without fail that all the necessary compliances related to relevant Labour Laws, EPFO Act, Minimum Wages Act, ESI Act are done by the vendor. Necessary documents on monthly basis including EPF/ ESIC compliance related documents, Wage Registers etc. are to be submitted by the vendor. ITPO reserves the right to invoke termination of the contract with immediate effect in case of non-compliance of the above obligation of the contract by the vendor. The working hours may be extended as per requirement during any particular event and engineers may also be required to attend work on Saturdays/ Sundays or any holiday as per requirement during any event.

The number of persons listed above is the minimum number that is required in our view. The actual number deployed by the contractor may be more to take care of leave, illness, job requirement, support activity, quality, promptness etc.

The above mentioned manpower will be based at ITPO, Pragati Maidan and would be under the supervisory control of I.T. Services Division and would assist and advise ITPO on technical issues/up gradation of the system etc. As and when required, necessary reports shall be submitted in the format desired by ITPO.

The contractor shall ensure that all its personnel deputed for required services during the tenure of the contract and any time thereafter maintain the strictest confidence of all information relating to the work and shall not, unless so authorized in writing by ITPO, divulge or grant access to any information about the work or its results. The contractor and/or his deputed persons shall not destroy/alter any report, note and technical data relating to the operation/work. The obligation is continuing one and shall survive after the completion/ termination of this agreement. Any violation in this regard may lead to the termination of the contract/legal proceedings as deemed fit by ITPO.

7.17 Broad miscellaneous features of the Wi-Fi, Broadband and ILL Services should include:-

- i. Access Control and Audit trail mechanism as per industry standard and security norms defined by various regulatory authorities.
- ii. Web-based management console to monitor and manage the Wi-Fi, Broadband and ILL services. Provisions should be made available to ITPO to monitor/ view the network management data.
- iii. Facility to define rule based access depending on usage, time duration etc. The bidders are required to submit as part of their proposals, proposed plans for Wi-Fi, Broadband and ILL internet services.
- iv. Seamless facility to extend the usage of Wi-Fi services (beyond free time) through multiple payment mechanisms.
- v. Provision for customizable reports for Wi-Fi access logs. Role based Access control to all management and reporting functions.
- vi. Toll-free number and E-mail based Customer Care Services for enhancing customer care experience.
- vii. Facility to enable/ disable specific user/ system from Wi-Fi/ Internet access based on system

MAC address, Mobile No. used for authentication etc.

- viii. Proposed wireless and wired networks should be secure and in compliance with Indian Laws and DOT directives. Service Provider should maintain logs of the internet users for prescribed period as per the DOT guidelines.
- ix. WIPS (Wireless Intrusion Prevention Systems including Server and Sensors) should be implemented to prevent any kind of intrusion/ cyber attacks etc.
- x. The PVC conduit/ casing/ capping/ all accessories and other required components including labels, ferrules and any other installed components should be ISI certified.
- xi. The vendor shall ensure that no damage is caused to the Buildings/ Halls of ITPO, Pragati Maidan and proper repairs and finishing is to be done after installation of the network components, if any. The vendor prior to any civil/ network component (active/ passive) installation work should carry out the site survey and submit a report to ITPO detailing out the network & installation plan and get the same approved from ITPO prior to starting the civil/ installation work. The interested bidders after prior approval from ITPO can also carry out site survey before submitting the bids, for better understanding of the job to be undertaken. The cabling job, if any, should be carried out under the supervision of certified engineers. All the wiring should be fully concealed inside the conduit /casing and no cable (except patch cords) should be visible to the naked eye. The cabling shall be properly labeled and ferruled so as to facilitate easy identification and maintenance. The labeling and ferruling shall be documented. All civil work like cutting, chasing, drilling, etc. shall be finished to ensure smooth leveled surfaces matching the existing aesthetics of the buildings to the best extent possible. All waste material shall be properly disposed off from Pragati Maidan, New Delhi premises in an environment friendly manner and compliant to applicable civil/municipal guidelines.
- xii. All installed cabling components and the system (Cables, Cable managers, I/Os, Patch Cords, Jack Panels, Access Points etc.) should be (As per applicability):-
 - a. IEEE 802.11 standard compliant.
 - b. Conform to the TIA/ EIA 568-A/B standards.

8. PRE-QUALIFICATION CRITERIA:-

Sr. No.	CRITERION	DOCUMENTARY PROOF REQUIRED
1)	The single Bidder or the Lead Bidder in case of a Consortium must be a company in India registered under the Companies Act, 1956/ 2013 or a proprietorship firm or a partnership firm.	Duly signed & stamped copies of Incorporation/ Company Registration Certificate.
2)	The Single Bidder or the Lead Bidder in case of Consortium should have valid Category `A` ISP (Internet Service Provider) or a Category `B` ISP license to provide services in Delhi, from Department of Telecom, Govt. of India.	Duly signed & stamped copy of the relevant and valid license.

3)	The Single Bidder or any member in case of Consortium should have valid Infrastructure Provider Category-I License for Delhi from Department of Telecom, Govt. of India.	Duly signed & stamped copy of the relevant and valid license.
4)	The Single Bidder or the Lead Bidder in case of Consortium must have an average annual turnover of minimum Rs.10 Crores during any three financial years out of last five financial years i.e. F.Y., 2021-22, 2020-21, 2019-20, 2018-19 & 2017-18 and positive networth for last three financial years viz. 2021-22, 2020-21 and 2019-20.	Duly signed & stamped copies of balance sheets and a Certificate from a Chartered Accountant for the any three (3) financial years having average annual turnover of minimum 10 crore.
5)	The bidder must have an operational office in Delhi/ NCR with the presence of technical team.	Relevant supporting document(s) such as electricity bill, leased rent agreement copy, Landline phone bill etc.
6)	The bidder (jointly in case of a Consortium)) must have experience of successfully providing Wi-Fi, Broadband and Internet Leased Line (ILL) services to minimum any two organizations out of which atleast one project should be of any Central/ State Govt. Department(s)/ Organization(s)/ PSUs etc. in last five years ending the last date of bid submission.	Copies of the Purchase Orders and Work Completion Certificates (WCC). <i>(Purchase Orders are mandatory while WCCs may be provided wherever available.)</i>
7)	The bidder should have valid registration under GST and Income Tax in India.	Copies of valid GST registration certificate and PAN card of the company.
8)	The bidder must be registered with The Employees' Provident Fund & Miscellaneous Provision Act, 1952 and Employees' State Insurance Act, 1948.	Copy of the valid registration certificates.
9)	The Single Bidder or all Consortium Partners should not have been blacklisted by Central Government or any State Govt. Organization/ Department or PSU in India at the time of bid submission.	Declaration Letter as per the format shared in the Tender Document.
10)	Non-refundable Tender Fee of Rs.5900/- (Rupees Five Thousand Nine Hundred Only, including 18% GST) through online payment mode in favour of "India Trade Promotion Organisation", New Delhi. Bank details as per Annexure-X.	Proof of submission of Tender processing fee.
11)	Earnest Money Deposit (EMD): Rs. 2,50,000/- (Rupees Two Lakh Fifty Thousand Only)	Through NEFT/ RTGS/ Online Payment Mode/ Demand Draft (DD) or Bank Pay Order in favor of "India Trade Promotion Organisation" payable at New Delhi.

Note: Bid without a valid EMD/ Tender Fee will be rejected outright.

The firms registered with National Small Industries Corporation (NSIC)/ Micro, Small and Medium Enterprises (MSME) are exempted from furnishing bid guarantee/EMD, cost of tender documents provided that such small scale units are registered under single point registration scheme of NSIC / MSME and are valid on the scheduled date of tender opening and the product range mentioned in the certificate is the same or similar to the tender requirement.

8.1 Criteria for Evaluation

- i) Bidders are required to qualify all the conditions of the clause no. 8. "Pre-qualification Criteria". Technical solution presentation will be required to be given by all the bidders qualifying technical eligibility criteria.

- ii) **Evaluation of technical proposal:**

Technical solution will be examined as per the evaluation process detailed in clause 8.3 "Evaluation of Technical Proposals". Those bidders whose Technical marks as per the Technical evaluation criteria is 70 marks or more out of 100 shall be declared as qualified for evaluation of their Financial Proposals. Bidders who have secured less than 70 marks shall be rejected. The bidder with highest marks (TM) will be given a Technical Score (ST) of 100 points. The Technical Scores of other Applicants will be computed as follows:

$$ST_x = 100 \times T/TM$$

(T = Technical marks scored as per Technical Evaluation criteria mentioned Clause 8.3 "Evaluation of Technical Proposals")

Financial bids of only those bidders who qualify minimum eligibility criteria as outlined in clause no. 8 "Pre-qualification Criteria" and secure a minimum of Seventy (70) marks as per evaluation process given in Clause 8.3 "Evaluation of Technical Proposals" will be considered for opening.

- iii) **Evaluation of Financial Proposal:**

Each Financial Proposal will be assigned a financial score (SF) as per formula given below. The Financial Proposal shall be deemed as final and reflecting the total indicative cost of services. The highest Financial Proposal (FM) will be given a financial score (SF) of 100 points. The financial scores of other proposals will be computed as follows:

$$SF = 100 \times F/FM$$

(F = Offered Revenue Share in Financial Proposal)

- iv) **Combined and Final Evaluation**

Proposals will finally be ranked according to their combined technical (ST) and financial (SF) scores as follows:

$$S = ST \times Tw + SF \times Fw$$

Where, Tw and Fw are weights assigned to Technical Proposal and Financial Proposal, which shall be 0.3 and 0.7 respectively.

- v) Contract will be awarded to the bidder with highest combined score.

Example:**Evaluation of Technical Proposal:**

Marks (TM) secured by highest Bidder 'A' = 90

Marks (Tb) secured by Bidder 'B' = 85

Marks (Tc) secured by Bidder 'C' = 80

Technical Score (STa) of Bidder 'A' = 100

Technical Score (STb) of Bidder 'B' = $100 \times (Tb/TM) = 95$

Technical Score (STc) of Bidder 'C' = $100 \times (Tc/TM) = 89$

Evaluation of Financial Proposal:

Highest Financial Proposal (FM) offered by Bidder 'B' = 15 (in % terms)

Financial Proposal (Fa) offered by Bidder 'A' = 12 (in % terms)

Financial Proposal (Fc) offered by Bidder 'C' = 10 (in % terms)

Financial Score (SFb) of Bidder 'B' = 100

Financial Score (SFa) of Bidder 'A' = $100 \times (Fa/FM) = 80$

Financial Score (SFc) of Bidder 'C' = $100 \times (Fc/FM) = 67$

Combined Score of Bidder 'A' = $(STa \times 0.3) + (SFa \times 0.7) = 30 + 56 = 86$

Combined Score of Bidder 'B' = $(STb \times 0.3) + (SFb \times 0.7) = 28.5 + 70 = 98.5$

Combined Score of Bidder 'C' = $(STc \times 0.3) + (SFc \times 0.7) = 26.7 + 46.9 = 73.6$

As per the above evaluation, Bidder 'B', scoring highest combined score of 98.5 shall be considered for award of work.

8.2 Bid Submission Format

I. Pre-Qualifications Forms/ Documents: - The entire proposal shall be submitted as per the format specified in this Tender document. Proposals with deviation from the format specified in the Tender document shall be liable for rejection at the sole discretion of ITPO. The proposals submitted should comprise of the following documents:-

- i. Pre-Qualification Cover Letter.
- ii. Board Resolution/ Power of Attorney from the single bidder/ consortium partners in case of Consortium Bidder for nominating lead member of the Consortium and authorizing the signing authority to sign/execute the proposal as a binding document and to execute relevant agreements as part of the bidding process.
- iii. Technical Bid.
- iv. Certificate of registration(s)/ Certificate of Incorporation(s).
- v. Copy of the relevant licenses, if any available.
- vi. Audited Financial Statements and CA Certificate.
- vii. Copy of Work Experience certificates.
- viii. GST Registration and PAN Card Copies.
- ix. Declaration regarding blacklisting.
- x. Receipt of deposit of Rs. 5900/- as the Tender Processing Fee payable in favour of `India Trade Promotion Organisation` at New Delhi.

The aforesaid documents along with attached annexures need to be submitted by the bidders as part of their technical proposal

II. Technical Proposal: - The bidders are required to submit as part of their bids, technical proposals covering the following:-

- i. Approach Paper consisting of proposed Work Plan, proposed timelines for execution of the project, Timelines for specific deliverables, details of manpower proposed for deployment for managing the operations alongwith their CVs, roles and responsibilities of each Consortium Partner, if any and deliverables or other expectation from ITPO.
- ii. Methodology for designing, implementing, operating, managing and maintaining Wi-Fi network in Pragati Maidan.
- iii. Solution Architecture.
- iv. Details of Toll-free Helpdesk Customer Management Services for smart customer management and SLA Management.
- v. Details of Security Features for the entire network.
- vi. Details of backhaul bandwidth source/ solution alongwith planned redundancy.
- vii. Proposed Business Plan(s) including proposed free time slots for Wi-Fi services, if any.
- viii. Past experience details of implementation of similar projects.
- ix. Prerequisites, if any, for end users to avail the service(s).
- x. Bill of Materials (BOM) including technical specifications of additional proposed hardware / software required for providing Wi-Fi, Broadband and Internet Leased Line (ILL) Services including Hall 7ABC, Hall 7D, Hall 7E, Hall 7FGH, Hall 8, Hall 9, Hall 10, Hall 11, Hall 12 and Hall 12A.

8.3 Evaluation of Technical Proposals: - ITPO will constitute Evaluation Committee(s) to evaluate responses of the bidders. The Evaluation Committee(s) will evaluate the response to the Tenders, supporting documents & documentary evidences. The Committee(s) may seek additional documents as it deems necessary. The evaluation committee may ask for presentation/ meetings with the applicants to evaluate its suitability for the assignment. ITPO reserves the right to reject any or all the proposals. Successful PQ qualified bidders will be called for technical presentation and solution demonstrations. Technical Presentations & demonstrations will inter-alia include points listed in the below evaluation table. The Tender proposals will be evaluated based on the documentary evidences submitted and technical presentations & demonstrations given and marks will be assigned to the proposals based on the following criterion (PQ and Technical):-

Sr. No.	Technical Evaluation Parameter	Evaluation Description	Criterion	Maximum Marks
1.	Past experience of implementation of similar projects	Experience in Wireless and Wireline (Including Wi-Fi, Broadband, Internet Leased Line (ILL) Solutions Deployment.		Maximum Marks 20 For 1 Govt. project – 10 Marks For 2-3 Govt. projects- 15 Marks For 4 or more Govt.

			projects- 20 Marks
2.	Average Annual Turnover of minimum Rs.10 Crores during any three financial years out of last five financial years i.e. F.Y., 2021-22, 2020-21, 2019-20, 2018-19 & 2017-18 and positive network for last three financial years viz. 2021-22, 2020-21 and 2019-20.	Copies of audited balance sheets and CA certificate certifying annual turnovers, network and average annual turnover during the last three financial years.	Maximum Marks 20 <ul style="list-style-type: none"> For Average Annual Turnover (AAT) more than 10 Crores and less than 50 Crores – 5 Marks For AAT in last three FY in the range of 50-100 Crores- 15 Marks For AAT in last three FY, more than 100 Crores- 20 Marks.
3.	Solution Architecture and Methodology	a) Proposed tariff structure for Wi-Fi, Broadband and ILL services. b) Solution Architecture. c) Proposed methodology for project implementation. d) Details of security features. e) Details of Toll-free Helpdesk Customer Management Services for smart customer management and SLA Management. f) Details of backhaul bandwidth source/ solution alongwith planned redundancy. g) Prerequisites, if any, for end users to avail the service(s). h) Bill of Materials (BOM) including technical specifications of additional proposed hardware / software required for providing Wi-Fi, Broadband and Internet Leased Line (ILL) Services including Hall 7ABC, Hall 7D,	Maximum Marks 55

		Hall 7E, Hall 7FGH, Hall 8, Hall 9, Hall 10, Hall 11, Hall 12 and Hall 12A. i) Expected Timeframe for completion of the project.	
4.	Quality Certifications	Nationally and internationally accepted and renowned quality certifications in relevant field.	5

9. PROCESSING FEE/ TENDER COST

- a. The processing fee/ tender cost is non-refundable. The EMD is non-interest bearing.
- b. The successful bidders' EMD will be discharged upon expiry of "Offer Validity Period" or upon receiving of Performance Guarantee or adjusted against the Performance Guarantee. EMD of unsuccessful bidders shall be refunded after finalization of tender.
- c. The EMD will be forfeited:
 - i. If a bidder withdraws his bid during the period of validity.
 - ii. Or in case of a successful bidder, if the bidder fails to sign the contract in accordance with terms and conditions of the tender.

10. TENDER EVALUATION COMMITTEE

ITPO will constitute the Tender Evaluation Committee. This committee will evaluate the online bid documents submitted by the bidders.

- i. The Tender Evaluation Committee may choose to conduct negotiation or discussion and may ask for written clarification with any or all the bidders. The decision of the Evaluation Committee in the evaluation of the Technical and Commercial bids shall be final and binding on all the parties.
- ii. Any effort by a bidder to influence the Tender Evaluation Committee's processing of bids or award decisions may result in the rejection of the bid (s).

11. UNDERTAKING

An undertaking from the Bidder stating the compliance with all the conditions of the Contract and Technical Specifications of the Bidding Document will be required, since no deviation will be acceptable to ITPO.

12. BID PRICES

- i. The price i.e. offer must be made by the intending bidder covering all important points mentioned in the bid format. The financial offer may be submitted keeping in view the terms and conditions of this bid document and site conditions.

- ii. The bidder shall include payment of all dues such as taxes & other statutory dues, not specifically mentioned in the specification but essential for successful completion of work. The bidder shall not be eligible for any extra charges in respect of such payments. Though not mentioned in the bid document extra charges if any shall be paid by the bidder only.
- iii. All liabilities, whatsoever, on account of copy rights or any other reason, if any, shall be borne by the bidder.

13. PERIOD OF VALIDITY OF BID

i) Validity Period:

Online Bids shall remain valid for 180 days after the date of bid opening prescribed by ITPO; ITPO holds the right to reject a bid valid for a period shorter than 180 days as non-responsive, without any correspondence.

ii) Extension of Period of Validity:

In exceptional circumstances, ITPO may solicit the Bidder's consent to an extension of the period of validity. The request and the response thereto shall be made in writing. Extension of validity period by the Bidder shall be unconditional. A Bidder granting extension of validity will not be permitted to modify his technical or Item Rate BoQ.

iii) Amendment of RFP:

At any time prior to the deadline for submission of proposal, ITPO may, for any reason, whether at its own initiative or in response to clarifications requested by an Applicant, modify the RFP document and it will be notified.

14. MODIFICATIONS/ SUBSTITUTIONS/ WITHDRAWAL OF PROPOSALS

- i) The applicant may modify, substitute, or withdraw its proposal after submission prior to proposal due date. No proposal shall be modified, substituted, withdrawn by the applicant after the proposal due date.
- ii) Any alteration / modification in the proposal or additional information or material supplied subsequent to the proposal due date, unless the same has been expressly sought for by the authority, shall be disregarded.

15. GENERAL TERMS AND CONDITIONS

- i. Tenders not submitted in the format specified as per the Tender document will be summarily rejected. Tenders with incomplete information, subjective and conditional offers as well as partial offers will be liable for rejection.
- ii. The Tenders submitted without Tender Fee and EMD in the prescribed format/ instrument will be summarily rejected.
- iii. The bidder cannot make any amendment in the Technical Bid /Commercial Bid; neither can he impose any condition. All such bids will be rejected at the discretion of ITPO.
- iv. No extra payment shall be made on any account including for visits to office of ITPO, Pragati

Maidan, New Delhi. The vendor shall not have any rights to make any claims in this regard.

- v. This invitation for bids, issued by ITPO, is open to all the bidders (Single entity or a consortium thereof) meeting the eligibility criteria stipulated in the Tender document. However, leader of the consortium or the lead bidder shall be solely responsible for execution and completion of the project including all the liabilities arising out of signing the contract agreement with ITPO. The following conditions shall be applicable in case the bidder is a consortium of one or more partners:-
 - a) If the Contractor is a consortium of two or more parties, all such parties shall be jointly and individually bound under the contract agreement for the fulfillment of the obligations of the Contract as per provisions of the Contract and shall designate one of such party to act as a leader with authority to bind the Consortium. The composition or the constitution of the consortium, who have become eligible, may be permitted to alter only with the prior consent of the Employer i.e. ITPO, in writing. The consortium leader shall remain responsible not only for its scope of work but also for the scope of work of other consortium members so that Employer gets the facilities completed in all respects.
 - b) In case, the Bidder is a Joint Venture or Consortium of two or more firms, the division of Scope of Facilities shall be given by the Bidder.
 - c) All employees, representatives or Sub-Contractors engaged by the Consortium in connection with the performance of the Contract shall be under the complete control & supervision of the Lead Contractor and shall not be deemed to be employees of the Lead Contractor, and nothing contained in the Contract or in any Sub-Contract awarded by the Employer shall be construed to create any Contractual relationship between any such employees, representatives or Sub-Contractors and the Employer.
 - d) In case of Consortium, the notarised Memorandum of Agreement (MOA) between Leader of Consortium and all other Consortium members shall be furnished before signing of the Contract between Employer and all Consortium members.
- vi. ITPO shall have full right for rejecting any or all Tenders without specifying any reason(s) thereof. There shall be no obligation on the part of ITPO to inform the unsuccessful bidders of the outcome of the Tender process and reasons for rejection of Tender.
- vii. The Contractor shall keep India Trade Promotion Organisation (ITPO) indemnified against any loss, damage that it may sustain or any claim made against it or any proceedings that may be taken out against any claims made by its employees for any loss / damage, payment etc during performance of his duty in ITPO. An undertaking to this effect has to be submitted by the contractor.
- viii. All the information whose access is given to the contractor or its consortium partner shall be the property of ITPO and it should not be utilized for any other purpose without written consent of ITPO.
- ix. Information pertaining to the project obtained by the bidder as a result of participating in this Tender shall be confidential and will not be disclosed without prior written permission from ITPO.

16. ACCEPTANCE & WITHDRAWALS

The right of final acceptance of the tender is entirely vested with ITPO who reserves the right to accept or reject any or all of the tenders in full or in parts without assigning any reason whatsoever. There is no obligation on the part of ITPO to communicate with rejected Bidders. After acceptance of the tender by ITPO, the Bidder shall have no right to withdraw his tender, or claim higher price.

17. ITPO'S DECISION TO BE FINAL

The final decision would be based on the technical capacity and pricing. The tender shall be submitted neatly and all corrections, over -typing shall be attested with seal and full signature. ITPO reserves the right to not to accept lowest price, to reject any or all the tenders without assigning any reason. Tendering/Subsequent award of job shall not in any way entitle the vendor to have any exclusive rights and privileges.

18. AWARD CRITERIA

- i. Preliminary Scrutiny: ITPO will scrutinize the offers to determine whether they are complete, whether any errors have been made in the offer, whether required technical documentation has been furnished, whether the documents have been properly signed, and whether items are quoted as per the schedule. ITPO may, at its discretion, waive any minor nonconformity or any minor irregularity in an offer. This shall be binding on all Bidders and ITPO reserves the right for such waivers.
- ii. Financial evaluation of the quotes received will be done. Non-responsive/Non-complete bids shall be summarily rejected and no communication of the same will be obligatory on the part of ITPO.

19. PERFORMANCE SECURITY

Within seven (7) working days of the receipt of Notification of Award / Letter of Intent from ITPO, the successful Bidder shall furnish the Performance Security for an amount of Rs.10,00,000/- (Rupees Ten Lakh only) in favour of "India Trade Promotion Organisation" payable at New Delhi. Performance Security shall be refunded preferably within 90 days after conclusion of the contractual period, including extended contract tenure, if any. EMD deposited by the bidder during the bid submission can be adjusted against the Performance Security deposit. Delay in submission of performance security may attract a penalty of Rs.5,000/- for the first week of delay & additional Rs.5,000/- for delay exceeding beyond one week limited to a maximum delay of two weeks. ITPO reserves the right to terminate the contract for a delay beyond 15 days. Performance Security shall be liable to be forfeited partially or in full for any breach/ default in contract terms and provisions.

20. PAYMENT TERMS & PERIOD OF CONTRACT

- i. The revenue earned on account of the Wi-Fi, Broadband Internet and Internet Leased Line (ILL) Services` operations under the contract, after exclusion of all the applicable tax liabilities etc. will be shared between ITPO and the vendor.
- ii. ITPO will bill & charge the end-customers/users for the services and collect all the payment. Subsequent payment amounting to `X`% of total revenue earned minus service degradation credit earned by ITPO, as per SLA in accordance with agreed contract terms shall be done by

ITPO to the vendor on monthly basis.

The contract will be initially for a period of three (3) years to be renewed yearly subject to satisfactory performance by the vendor. The contract will be further extendable for two (2) more subsequent years subject to satisfactory performance by the vendor and requirement of ITPO. Contract renewal and extension shall be at the sole discretion of ITPO.

21. NOTIFICATION OF AWARD & SIGNING OF CONTRACT

The Bidder whose bid has been accepted shall be notified of the award by ITPO, by registered letter, fax or by official mail. The bidder shall acknowledge in writing, the receipt of the Letter of Intent/ Notification of award of work and shall send his acceptance to enter into the Contract within three (3) days from the receipt of the Letter of Intent/ notification of work award. Bidder shall also enter into the agreement with ITPO on non judicial stamp paper of Rs 100/- within 7 days of acceptance.

22. EXPENSES FOR THE CONTRACT

All incidental expenses of the execution of the contract/ agreement shall be borne solely by the successful bidder and such amount shall not be refunded to the successful bidder by the ITPO.

23. FAILURE TO ABIDE BY THE CONTRACT

The conditions stipulated in the contract shall be strictly adhered to and violation of any of these conditions shall entail immediate termination of the contract without prejudice to the rights of ITPO.

24. TERMINATION FOR DEFAULT

The company may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the contractor, terminate this contract in whole within notice period of 30 days.

- a) If the contractor fails to deliver any or all of the goods and perform services within the time period(s) specified in the contract, or any extension thereof granted by the company.
- b) if the contractor fails to satisfactorily perform any obligation(s) under the contract .

25. GOVERNING LAW

The laws of Republic of India shall govern the Tender Document and the Contract.

26. INDEMNIFICATION

- The Bidder/Service Provider shall indemnify ITPO against any claims, damages, loss or penalty including costs thereof in case of liability arising out of any accident/incident involving manpower deployed by him/it.
- ITPO will not be responsible for any injury sustained by Bidder/ Service Provider's personnel during the performance of its/their duties and also any damage or compensation due to any dispute between them and it's personnel. Any expenditure incurred by ITPO to handle the situation arising out of the conduct of personnel deployed by the bidder /Service Provider will be made good from Security Deposit/Bills of the bidder /Service Provider and recovered in

accordance with law.

- In case of injury or loss of ITPO staff due to any act or deed of successful bidder's employee or due to an accident, the successful bidder shall arrange to pay ITPO employee or his legal heirs as per existing Govt. rules and regulations. The insurance claim settlement shall be the sole responsibility of the successful bidder. The legal costs will also be borne and paid by the successful bidder.
- The bidder shall also indemnify to ITPO for making good any claim/penalty /loss or damages including costs thereof in respect of any breach or violation of any of the provisions of any law including labour laws governing the employee of the bidder. In case of failure to make good above losses / expenses to ITPO, the same shall be deducted from the monthly bills / security deposited / future payments due to the bidder.
- The service provider shall indemnify ITPO against third Party claims arising out of equipment malfunctioning/mishandling on the part of personnel provided by the Service Provider. The Service Provider shall also indemnify to reimburse any theft, loss or damage by his personnel to ITPO personnel or property including machinery, equipment or buildings. In case, any such amount is not deposited/paid to ITPO, the same shall be deducted from Security Deposit/Bills/Future payments due to the Service Provider.
- Contractor/Agency shall indemnify, defend and hold ITPO and its officers/officials harmless against any and all proceedings, actions, losses, damages, expenses, costs and third party claims whatsoever – whether financial or otherwise, including liability for payment of contributions/dues to EPFO/ESIC/Govt. Departments/Local Bodies/Statutory Authorities etc. which ITPO may sustain, incur, suffer or be exposed to at any time during the subsistence of the Contract and subsequent thereto relating to the period of Contract, arising out of a breach by the Contractor/Agency, its sub-contractors, sub-agents, employees, etc. of any of its obligations under the Contract.

27. RESOLUTION OF DISPUTES

In respect of any dispute or difference, if any, between the parties,

- a) The contractor and the ITPO shall endeavor their best to amicably settle all disputes arising out of or in connection with the terms of license in the following manner: -
 - i) The contractor raising a dispute shall address to the other Party a notice requesting an amicable settlement of the dispute within seven (7) days of receipt of the notice.
 - ii) The matter will be referred for negotiation between Competent Authority of the contractor and ITPO. The matter can be endeavored to be resolved between them and the agreed course of action documented within a further period of 15 days.
- b) In case the dispute between the Parties, does not settle by negotiation in the manner as mentioned above, the same may be resolved exclusively by arbitration and such dispute may be submitted by either party for arbitration within 20 days of the failure of negotiations. Arbitration shall be held in New Delhi and conducted in accordance with the provisions of Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof.

- c) In the event any doubt, dispute or difference arising out of or in relation to the Contract remains unresolved, both the parties to the Contract will mutually appoint a Sole Arbitrator, in accordance with the Arbitration and Conciliation Act, 1996.

The provisions of Arbitration & Conciliation Act, 1996 (as amended from time to time) shall apply to both the parties.

The fee payable to the Arbitrator shall be paid equally by both the parties. The language used in the arbitral proceedings shall be English.

The venue of the arbitration proceedings shall be the Office of ITPO, i.e. Pragati Maidan, New Delhi.

- d) The contractor shall not be entitled to suspend the Service/s or the completion of the assignment, pending resolution of any dispute between the Parties and shall continue to operate in accordance with the provisions of the Contract Agreement and payments to be made by the contractor as mentioned under the Agreement, notwithstanding the existence of any dispute between the Parties or the subsistence of any arbitration or other proceedings.
- e) The contract shall be governed by and interpreted in accordance with Indian law.

28. JURISDICTION

All disputes arising out of and in relation to the contract between the parties herein shall be governed by Laws of India subject to the exclusive jurisdiction of the courts of Delhi only.

29. CONFIDENTIALITY

Contractor/Agency shall maintain high level of professional ethics and shall not act in any manner, which is contrary to any laws and/or detrimental to ITPO's interest. Contractor/Agency shall treat as confidential any and all data, information and records, obtained/received in the performance/execution of its responsibilities, in strict confidence and shall not reveal such data, information or records to any other person/party without the prior written approval of the ITPO, even after expiry/termination/determination of the Contract. ITPO shall take necessary legal and other remedial actions for infringement of this clause.

30. INTELLECTUAL PROPERTY RIGHTS

ITPO's name/logo/other IPRs shall be the sole and exclusive property of ITPO only. For any misuse/misrepresentation/unauthorized use of ITPO's name/logo/IPRs by the Contractor/Agency and/or their sub-agents/sub-contractors/employees etc., the Contractor/Agency shall be held solely responsible. ITPO shall not be responsible for any harm or loss caused to any third party because of any such misuse/misrepresentation/unauthorized use of ITPO's name/logo/IPRs. Contractor/Agency shall indemnify ITPO against any misuse/misrepresentation/unauthorized use of ITPO's name/logo/IPRs and/or any claim(s) relating to infringement of any intellectual property rights committed by them/their sub-agents/sub-contractors/employees etc. ITPO shall take necessary legal and other remedial actions, as deemed fit, for such violations.

31. FORCE MAJEURE

If at any time, during the continuance of this Contract, the performance in whole or in part, by either party, of any obligation under this Contract is prevented or delayed, by reason of war, or hostility, acts of the public enemy, civic commotion, sabotage, act of State or direction from

Governmental Authority, explosion, epidemic, pandemic, quarantine restriction, strikes and lockouts(as are not limited to the establishments and facilities of the Parties), fire, floods, natural calamities or any act of GOD (hereinafter referred to as "Event"), provided notice of happenings of any such Event is given by the affected party to the other, within 7 Calendar days from the date of occurrence thereof, neither Party shall, by reason of such event, be entitled to terminate this Contract, nor shall either Party have any such claims for damages/compensation/costs/expenses against the other, in respect of such non-performance or delay in performance provided the Contract shall be resumed as soon as practicable, after such Event comes to an end or ceases to exist. The decision of the CMD, ITPO as to whether the service may be so resumed (and the time frame within which the service may be resumed) or not, shall be final and conclusive, provided further that if the performance in whole or part of any obligation under this Contract is prevented or delayed by reason of any such event for a period exceeding 30 days, either party may, at its option, terminate the Contract.

32. TAXES AND DUTIES

The prices (including all taxes, duties, etc excluding GST) quoted in the bid shall hold good and shall be binding on the bidder, notwithstanding any increase in the prices of materials and labour or in the freights or levy of other charges whatsoever and the bidder shall not be entitled to claim any increase over the rates quoted by him during the period of currency of the contract except taxes and duties as introduced / modified by Govt. from time to time if any within the period from last date of bid submission to the original completion date of the Contract. Reimbursement of any new tax or variation of existing tax, introduced during last date of bid submission to the original completion date of the Contract shall be paid in actual on submission of documentary evidence.

The extended period of Contract for the purpose shall only be considered on merit.

33. SUBMISSION OF BIDS

- Bid should be submitted only through online mode at CPPP website: <https://eprocure.gov.in/eprocure/app>. Manual bids shall not be accepted.
- Bidders are advised to follow the instructions provided in the "Instructions to the Contractors/Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e-procurement at <https://eprocure.gov.in/eprocure/app>".
- The tender shall be submitted online in two parts, viz., technical bid and price bid. All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.
- Technical Bid
 - Signed and scanned copies of the documents mentioned in the Eligibility Criteria are to be uploaded on the portal (point-9)
- Item Rate BoQ
 - Price bid undertaking
 - Schedule of price bid in the form of BOQ_XXXX.xls
- Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- Not more than one tender shall be submitted by one contractor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are

common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

- Bidder who has downloaded the tender from the ITPO Website and Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, <https://eprocure.gov.in/epublish/app> shall not tamper/modify the tender form including downloaded price bid template in any manner. In case if the same is found to be tampered/modified in any manner, tender will be completely rejected and EMD would be forfeited and bidder is liable to be banned from doing business with ITPO. Bidders are advised to visit again ITPO website and CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.

The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter

34. AUTHENTICATION OF BID

The original and all copies of the Bid Document shall be signed by a person or persons duly authorized to bind the Bidder to the Contract. A duly stamped Power-of-Attorney accompanying the Bid Document shall support the letter of authorization. The person or persons signing the Bid Document shall initial all pages of the Bid Document, including pages where entries or amendments have been made.

35. VALIDATION OF INTERLINEATIONS IN BID

Any interlineations, erasures, alterations, additions or overwriting shall be valid only if the person or persons signing the bid have authenticated the same with signature.

36. ANNOUNCEMENT OF BIDS

The Bidder's names, Bid modifications or withdrawals and the presence or absence of requisite bid security and such other details will be announced at the time of opening. No bid shall be rejected at bid opening, except for late bids.

37. BIDS NOT CONSIDERED FOR EVALUATION

Bids those are rejected during the bid evaluation process shall not be considered for further evaluation, irrespective of the circumstances.

38. OPENING OF ITEM RATE BOQ

Item Rate BoQ will be opened and compared at the specified date and time. The name of Bidder, bid prices, total amount of each bid, etc. shall be announced by the ITPO at the Item Rate BoQ opening. The date, time and venue of opening of Item Rate BoQ will be advised to the technically qualified bidders separately.

39. CLARIFICATION OF BIDS

To assist in the evaluation, comparison and an examination of bids, ITPO may, at its sole discretion, ask the Bidder for a clarification of its bid including breakup of rates. The request for clarification and the response shall be in writing. If the response to the clarification is not received before the expiration of deadline prescribed in the request, ITPO reserves the right to make its own

reasonable assumptions at the total risk and cost of the bidder.

40. COMPLETENESS OF BIDS

ITPO will examine the bids to determine whether they are complete, whether they meet all the conditions of the Tender Document and Technical Specifications, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the Bid Documents are substantially responsive to the requirements of the Tender Document.

41. RECTIFICATION OF ERRORS

Arithmetical errors will be rectified on the following basis: - If there is a discrepancy between the rates in words and figures, the rate in words will govern. If the bidder does not accept the correction of errors, his bid will be rejected and his EMD may be forfeited.

42. REJECTION OF BID

A bid that does not meet all pre-qualification criteria or is not responsive shall be rejected by ITPO and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation by the bidder.

SERVICE LEVEL AGREEMENT (SLA)

Technical Support

M/s.....will support and monitor its services up to the managed Customer Premise Equipment (CPE), 24 hours per day. The CPE shall consist of the Wi-Fi controller(s) and/or Access Points (APs) and /or any other equipment deployed on-site in ITPO, Pragati Maidan by M/s A Support Ticket will be opened when M/s..... monitors a service degradation issue or ITPO reports network trouble to M/s.....'s Tech Support team via telephone (Ticket Open). End-user client devices (computers, phones, etc) and end-user support are not covered under this SLA.

Standard Managed Wi-Fi Installation

Standard Installation includes wireless APs, controllers, antennas, and other hardware deployed by the service provided on-site in ITPO, Pragati Maidan, plus turn-up, testing, and basic network integration. M/s..... owns all equipment that it supplies to ITPO, except for that equipment which is specifically purchased by ITPO.

Access to Equipment

ITPO agrees to allow personnel of M/s..... reasonable access to ITPO's site i.e. Pragati Maidan, New Delhi for the purpose of installing, repairing, and removing equipment, after written consent from ITPO.

Performance Guarantees

The three guaranteed service performance metrics are:

1. **Availability:** 99.9% or greater network availability, determined on a monthly basis.
2. **Support:** 24x7x365 phone support and 24-hour response email support.
3. **Proactive Notification:** 24x7x365 proactive monitoring and customer notification of significant service-affecting issues.

If the managed Wi-Fi Service does not meet the performance guarantees then India Trade Promotion Organisation (ITPO) will be eligible for a service degradation credit as outlined below.

Credit for Service Degradation

Credit eligibility for service degradation shall be determined wherever possible by measurements from the Network Monitoring System of the contractor's managed CPE. Customer-provided data does not qualify for credit evaluation. Unless stated otherwise herein, ITPO's exclusive remedy for service degradation is repair of service and credit for the period of degraded service. Credit will be paid for service degradation as listed in the categories below. The sum of all credits in a month shall not exceed 100% of the total monthly billed revenue.

1. **Availability:** Availability credits are for continuous periods of total loss of connectivity for the majority of Wi-Fi users, as determined by uptime and bandwidth graphs/logs. Credit will be paid if the elapsed time from Ticket Open to repair of service exceeds the following:
 - a. Exceeding 60 minutes: 5% of monthly-billed site revenue.
 - b. Exceeding 4 hours: 8% of monthly-billed site revenue.
 - c. Exceeding 8 hours: 10% of monthly-billed site revenue.

Note: - Every subsequent 8-hour increment shall provide ITPO an additional 5% credit.

2. **Support:** ITPO is eligible for a support credit if at any time they are experiencing a service-affecting network issue and they call appropriate number of times for phone support, select the NOC/Support option, and are unable to speak to a technician or engineer within 15 minutes. ITPO is also eligible for a credit if they send an email to the registered e-mail ID reporting a service-affecting issue and do not receive a response within 24 hours. The credit will be as follows:
 - a. 1 instance in a month: 5% of monthly-billed site revenue.
 - b. 2 instances in a month: 8% of monthly-billed site revenue.
 - c. 3 or more instances in a month: 10% of monthly-billed site revenue.
3. **Proactive Notification:** ITPO is eligible for a proactive notification credit if any monitored CPE experiences an outage longer than 15 minutes and customer is not notified within 30 minutes:
 - a. 1 instance in a month: 5% of monthly-billed site revenue.
 - b. 2 instances in a month: 8% of monthly-billed site revenue.
 - c. 3 or more instances in a month: 10% of monthly-billed site revenue.

Note • Proactive Notification credit subject to customer providing accurate contact info.

BUM Traffic and DOS Attacks

Service degradation from Broadcast, Unknown-Unicast, and Multicast (BUM) traffic, or from Denial of Service (DoS) Attacks are excluded from this SLA and do not qualify for credits. BUM traffic is typically flooded on network segments and will cause performance impacts if utilized at high bitrates. DOS Attacks are purposeful and significant over-use of network resources and will cause performance impacts. If high-bit rate BUM traffic is required (such as for multicast video), the contractor's support/engineering team must be notified so an appropriate solution can be engineered and provisioned.

Maintenance

The contractor may occasionally need to perform network maintenance or upgrades that affect ITPO's managed Wi-Fi service. This maintenance will either be scheduled maintenance or emergency maintenance:

1. Scheduled maintenance will typically be performed outside of normal business hours; however equipment access, engineering support, and other factors will be considered when scheduling. ITPO will be notified of routine scheduled maintenance windows at least 3 days in advance. Urgent scheduled maintenance windows may require shorter notification periods.
2. Emergency maintenance may be performed at any time if service degradation is imminent or occurring. The contractor will attempt to notify ITPO of emergency maintenance as early as possible before the maintenance takes place, however there may be circumstances where the contractor is unable to notify ITPO prior to performing emergency maintenance.

ITPO is not eligible for credit due to service degradation during scheduled or emergency maintenance.

Limitations

The contractor will incur no liability and issue no credits due to any causes beyond its reasonable control, including, but not limited to: RF interference, failure, lack of access to its equipment at ITPO's site, network/cyber attacks, extended power outages, acts of God, state of emergency, natural disasters, and non-compliance with the contractor's Acceptable Use Policy. Total revenue owed by contractor and not in dispute, after deduction of ten percent revenue share of ITPO and service degradation credits will be paid to the contractor quarterly by ITPO.

ANNEXURE-I**India Trade Promotion Organisation
(A Govt. of India Enterprise)****COMPANY DETAILS****Ref. Tender No. ITPO/ITSD/Wi-Fi_IECC/2022**

Sub: Selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model.

S. No.	Description	Particulars (To be filled by the bidders)
1.	Name of the Company	
2.	Official Address	
3.	Registered Phone No. & Fax	
4.	Website Address	
5.	Details of Company's registration	
6.	GST Registration No.	
7.	PAN No.	
8.	TAN No.	
9.	Company's (Lead Bidder, in case of Consortium) Annual Turnover details for applicable last 3 financial years	
10.	Company's (Lead Bidder, in case of Consortium) Net worth for last 3 financial years	
11.	Contact Person Details (Name, Designation, Phone, Mobile, Fax, Email, Communication Address)	
12.	Tender Processing Fee Submission Details (Transaction No., Date, Time, Bank Details etc.)	
13.	Earnest Money Deposit (EMD) submission details	

(.....)

Name of Authorized Signatory:

Designation:

ANNEXURE-II

FORMAT FOR APPLICATION & LETTER OF UNDERTAKING REGARDING ACCEPTANCE OF TERMS & CONDITIONS

Ref. Tender No. ITPO/ITSD/Wi-Fi_IECC/2022

The General Manager (IT)
I.T. Services Division
India Trade Promotion Organisation
Pragati Maidan
New Delhi-110001

Sub: Selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model.

Dear Sir,

With reference to **Tender ref. no. ITPO/ITSD/Wi-Fi_IECC/2022** dated.....2022, we hereby submit our bid in the prescribed format as desired by ITPO. We hereby also accept the terms & conditions prescribed in the bid document.

Thanking You.

Yours faithfully,

(.....)
Name of Authorized Signatory:
Designation:

FORMAT FOR POWER OF ATTORNEY FOR NOMINATING/ APPOINTING – AUTHORISED SIGNATORY

Know all men by these presents, we,.....(name of Firm and address of the registered office) do hereby constitute, nominate, appoint and authorize Mr. /Ms.....son/daughter/wife of and presently residing at who is presently employed with us and holding the position of

..... as our true and lawful attorney (hereinafter referred to as the “Authorized Signatory or Attorney”) to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our proposal for Invitation of online bids for “selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model” including but not limited to signing and submission of all applications, proposals and other documents and writings, and providing information/ responses to ITPO, representing us in all matters before ITPO, signing and execution of all contracts and undertakings consequent to acceptance of our proposal and generally dealing with ITPO in all matters in connection with or relating to or arising out of our Proposal for the said Tender and/or upon award thereof to us.

AND, we do hereby agree to ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Authorized Signatory or Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Authorized Representative in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE,THE ABOVE NAMED PRINCIPAL HAVE
EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF
....., 2022

For

(Signature, name, designation and address)

Witnesses:

1.

2.

Notarized

Accepted

.....

(Signature, name, designation and address of the Attorney)

Notes:

The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure. The Power of Attorney should be executed on a non-judicial stamp paper of appropriate denomination and should be registered or duly notarized by a notary public.

Wherever required, the Bidder should submit for verification the extract of the charter documents and other documents such as a resolution/power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.

FORMAT FOR AUTHORIZATION OF THE AUTHORISED SIGNATORY FOR THE BID PROCESS

Ref. Tender No. ITPO/ITSD/Wi-Fi_IECC/2022

The General Manager (IT)
I.T. Services Division
India Trade Promotion Organisation
Pragati Maidan
New Delhi-110001

Sub: Selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model.

Dear Sir,

With reference to Tender no. ITPO/ITSD/Wi-Fi_IECC/2021 dated _____ 2022, we hereby, authorize the following person as authorized signatory to carry out necessary bid formalities with ITPO with reference to this tender and authorize to sign the bid documents and contract / agreement with ITPO.

Name of Person _____ Designation _____ Contact No. (Mobile) _____

Thanking you,

Yours faithfully,

(.....)
Name of Authorized Signatory:
Designation:

CERTIFICATE IN SUPPORT OF FINANCIAL TURNOVER**Ref. Tender No. ITPO/ITSD/Wi-Fi_IECC/2022**

The General Manager (IT)
I.T. Services Division
India Trade Promotion Organisation
Pragati Maidan
New Delhi-110001

Sub: Selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model.

Dear Sir,

In response to the Tender ref. no. **ITPO/ITSD/Wi-Fi_IECC/2022** dated _____ **2022**, we hereby declare that the details of total turnover during last three years (in Lakh) as follows:

S.No	Financial Year	Turnover (INR)	Net worth (INR)
1.	FY 2017-18		
2.	FY 2018-19		
3.	FY 2019-20		
4.	FY 2020-21		
5.	FY 2021-22		

Average Annual Turnover.....

Net Worth during last three financial years.....

Thanking You,

Yours faithfully,

Authorized Signatory
Name of the Chartered Accountant _____
Registration no. with seal _____
Contact no. _____

UNDERTAKING APROPOS NOT BEING BARRED/BLACKLISTED

Ref: Tender No. ITPO/ITSD/Wi-Fi_IECC/2022

The General Manager (IT)
I.T. Services Division
India Trade Promotion Organisation
Pragati Maidan
New Delhi-110001

Sub: Selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model.

Dear Sir,

We hereby undertake that we have not been currently blacklisted by any Central Govt. /State Govt. / Semi Govt. Organization / Autonomous Bodies or PSUs.

Yours faithfully,

(.....)

Name of Authorized Signatory:
Designation:

UNDERTAKING APROPOS INDEMINFYING ITPO

Ref: Tender No. ITPO/ITSD/Wi-Fi_IECC/2022

The General Manager (IT)
I.T. Services Division
India Trade Promotion Organisation
Pragati Maidan
New Delhi-110001

Sub: Selection of Service Provider(s) for operating, maintaining and managing On-Demand Internet Services in Wireless and Wireline modes viz. Wi-Fi, Broadband Internet Services and Internet Leased Line (ILL) Services in entire Exhibition Hall Complex, part of the International Exhibition-cum-Convention Center (IECC) Complex at Pragati Maidan, New Delhi on revenue sharing model.

Dear Sir,

We hereby indemnify ITPO against any loss, damage that it may sustain or any claim made against it or any proceedings that may be taken out against any claims made by our employees for any loss / damage, payment etc. during performance of his duty in ITPO.

Yours faithfully,

(.....)
Name of Authorized Signatory:
Designation:

PRICE BID UNDERTAKING

Tender No. ITPO/ITSD/Wi-Fi_IECC/2022 2022

From: (Full name and address of the bidder)

To,

Dear Sir/Madam,

- 1. I submit the Price Bid for _____ and related activities as envisaged in the Bid document.**
- 2. I have thoroughly examined and understood all the terms and conditions as contained in the Bid document, and agree to abide by them.**
- 3. I offer to work at the rates as indicated in the price Bid, inclusive of all applicable taxes except GST.**

Yours Faithfully,

(Signature of authorized Representative)

PROFORMA OF AGREEMENT

This Agreement (which shall include its subsequent Amendment (s), if any), entered on DD/MM/YYYY into by and between M/s ITPO, a Government of India Company registered under the Companies Act, 1956 having its registered office at Pragati Bhawan, Pragati Maidan, New Delhi-110 001 (hereinafter shall be referred to as “the Company”, which expression unless repugnant to its meaning or context thereof, shall include its executors, administrators, successors and permitted assignees) as ONE PART

AND,

M/s._____ a firm having its office at (hereinafter shall be referred to as “the Contractor/successful bidder”, which expression unless repugnant to its meaning or context thereof, shall include its executors, administrators, successors and permitted assignees) as OTHER PART. This shall be effective from the DD/MM/YYYY for 03 (Three) years i.e. upto DD/MM/YYYY (Bidding Document; Ref. **Tender No. ITPO/ITSD/Wi-Fi_IECC/2022**) and extended contract period, if any, as per work order issued by the company. The Contractor, under this Agreement, shall execute the subject job / provide service(s) in a professional manner as per the detailed scope of work as defined in the bidding document and the Company will pay the Successful bidder for execution of the subject job / service(s) provided as per the agreed payment terms and conditions of the bidding/contract document. The Successful bidder shall also be liable for the Defect Liability Period / Warranty Period, if specifically mentioned in the bidding document, for the job executed/ service provided by him/them. All the terms and conditions of the Detailed Letter of Acceptance and its enclosures including bidding document and if Addendum(s) shall be applicable and binding for this Agreement.

In witness whereof the parties have executed this Agreement on DD/MM/YYYY. Signed and Delivered Signed and Delivered

For and on behalf of

India Trade Promotion Organisation

Name:

Designation:

Date:

Place:

For and on behalf of

Other part _____

Name:

Designation:

Date:

Place:

BANK DETAILS for Tender Fee Submission

Name of the Beneficiary	:	INDIA TRADE PROMOTION ORGANISATION
Name of the Bank	:	CENTRAL BANK OF INDIA
Branch Address	:	PRAGATI MAIDAN, NEW DELHI-110001
Account No.	:	1167404133
Type of Account	:	SAVINGS
IFSC Code	:	CBIN 0284078

Bill of Materials (BOM)

Annexure – XI

EXHIBITION HALL-A3 to A5 (ALL FLOOR LEVELS) ICT Rack and Access Point Details

ICT RACKS	A3	A4a	A4b	A5	Total Floor wise
GF	1	1	1	2	5
SF (4.5m)	1	1	1	1	4
MF				1	1
SF (11m)		1			1
FF (15m)	1	1	1	2	5
SF (18m)	1	1	1	1	4
Total Hallwise	4	5	4	7	20
Access Points	A3	A4a	A4b	A5	Total Floor wise
GF Prefunction area	2	2	2	2	8
GF Hall area	7	8	7	13	35
MF	2	8	2	2	14
FF Prefunction area	2	2	2	2	8
FF Hall area	7	8	7	13	35
Total Hallwise	20	28	20	32	100

EXHIBITION HALL-A3 to A5 (ALL FLOOR LEVELS) ICT Rack Details

Project Name: Re-development of ITPO Complex into Integrated Exhibition-Cum-Convention Centre (IECC) at Pragati Maidan, New Delhi

Ground Floor		
Total Racks- 9 (No. 1, 2, 3, 4, 5, 6, 7, 8, 9)		
S. No.	Description	Quantity (Nos.)
Rack No. - 1 (A3 SF-4.5m Front wing Hub Room)		
1	Data	106
2	BMS D	3
3	Voice	10
4	Access Point	5
5	AV Data	18
6	Camera	10
	Lift Camera	8
Rack No. - 2 (A3 GF Back wing- Hub Room)		
1	Data	100
2	Voice	0
3	Access Point	4
4	AV Data	44
5	Camera	7
	Lift Camera	1
Rack No. - 3 (A4a SF-4.5m Front wing Hub Room)		
1	Data	88
2	BMS D	3
3	Voice	10
4	Access Point	5
5	AV Data	12
6	Camera	7
	Lift Camera	6
Rack No. - 4 (A4a GF Back wing- Hub Room)		
1	Data	94
2	Voice	0
3	Access Point	5
4	AV Data	30
5	Camera	6
	Lift Camera	1
Rack No. - 5 (A4b SF-4.5m Front wing Hub Room)		
1	Data	96
2	BMS D	3
3	Voice	10
4	Access Point	5
5	AV Data	12
6	Camera	4
	Lift Camera	0
Rack No. - 6 (A4b GF Back wing- Hub Room)		
1	Data	102
2	Voice	0
3	Access Point	4
4	AV Data	31
5	Camera	7
	Lift Camera	2
Rack No.- 7 (A5 SF-4.5m Front wing Hub Room)		
1	Data	142
2	BMS D	3
3	Voice	10
4	Access Point	6
5	AV Data	14
6	Camera	7

Lift Camera		6
Rack No. - 8 (A5 GF- Hub Room)		
1	Data	136
2	Voice	0
3	Access Point	5
4	AV Data	34
5	Camera	7
Lift Camera		3
Rack No. - 9 (A5 GF Back wing- Hub Room)		
1	Data	142
2	Voice	0
3	Access Point	4
4	AV Data	31
5	Camera	5
Mezzanine Floor		
Total Racks- 2 (No. 12B, 19)		
S. No.	Description	Quantity (Nos.)
Rack No. - 12B (A4a SF-11m Front wing- Hub Room)		
1	Data	44
2	Voice	22
3	Access Point	8
4	AV NPoE	67
5	AV PoE	1
6	Camera	3
7	BMS D	4
Rack No. - 19 (A5 MF 8m Front wing- Hub Room)		
1	Camera	3
2	BMS D	5
3	AV Data	4
First Floor		
Total Racks- 9 (No. 10, 11, 12A, 13, 14, 15, 16, 17, 18)		
S. No.	Description	Quantity (Nos.)
Rack No. - 10 (A3 SF-18m Front wing Hub Room)		
1	Data	108
2	BMS D	1
3	Voice	10
4	Access Point	5
5	AV NPoE	9
6	AV PoE	5
7	Camera	9
Rack No. - 11 (A3 FF Back wing- Hub Room)		
1	Data	100
2	Voice	0
3	Access Point	4
4	AV NPoE	14
5	AV PoE	30
6	Camera	5
Rack No. - 12A (A4a SF-18m Front wing Hub Room)		
1	Data	90
2	BMS	1
3	Voice	10
4	Access Point	5
5	AV NPoE	6
6	AV PoE	2
7	Camera	5
Rack No. - 13 (A4a FF Back wing- Hub Room)		
1	Data	94
2	Voice	0
3	Access Point	5
4	AV NPoE	10
5	AV PoE	20

6	Camera	3
Rack No. - 14 (A4b SF-18m Front wing Hub Room)		
1	Data	98
2	BMS D	1
3	Voice	10
4	Access Point	5
5	AV NPoE	6
6	AV PoE	2
7	Camera	6
Rack No. - 15 (A4b FF Back wing- Hub Room)		
1	Data	102
2	Voice	0
3	Access Point	4
4	AV NPoE	10
5	AV PoE	21
6	Camera	5
Rack No.- 16 (A5 SF-18m Front wing Hub Room)		
1	Data	142
2	BMS D	1
3	Voice	10
4	Access Point	6
5	AV NPoE	9
6	AV PoE	5
7	Camera	4
Rack No. - 17 (A5 FF Towards Entry Plaza 2- Hub Room)		
1	Data	126
2	Voice	0
3	Access Point	4
4	AV NPoE	6
5	AV PoE	17
6	Camera	3
Rack No. - 18 (A5 FF Back wing- Hub Room)		
1	Data	132
2	Voice	0
3	Access Point	4
4	AV NPoE	9
5	AV PoE	20
6	Camera	3

IECC Project: EXHIBITION HALL-A3 to A5 ICT Rack Details

Basement Floor			
HALL A3			
S. No.	Description	Quantity (Nos.)	Points Feeding from Racks
1	Camera	7	From Rack-1
2	BMS	3	
3	Data	1	From Rack-2
4	Voice	2	
5	Camera	5	
6	BMS	3	
HALL A4a			
S. No.	Description	Quantity (Nos.)	Points Feeding from Racks
1	Camera	4	From Rack-3
2	BMS	1	
3	Data	1	From Rack-4
4	Voice	2	
5	Camera	6	
6	BMS	1	
HALL A4b			
S. No.	Description	Quantity (Nos.)	Points Feeding from Racks
1	Camera	3	From Rack-5
2	BMS	1	
3	Data	1	From Rack-6
4	Voice	3	
5	Camera	4	
6	BMS	1	
HALL A5			
S. No.	Description	Quantity (Nos.)	Points Feeding from Racks
1	Camera	5	From Rack-7
2	BMS	1	
3	Camera	5	From Rack-19
4	BMS	1	
5	Camera	4	From Rack-8
6	BMS	3	
7	Data	0	From Rack-9
8	Voice	5	
9	Camera	12	
10	BMS	1	

EXHIBITION HALL-A3 (ALL FLOOR LEVELS) HUB ROOM & IT RACKS DETAILS				
Project Name: Re-development of ITPO Complex into Integrated Exhibition-Cum-Convention Centre (IECC) at Pragati Maidan, New Delhi				
Sl. No.	Area Description	Room Description	Items Description	
GROUND FLOOR				Total Hub Room
1	Hall-A3-Back of House(BOH)	Hub Room	IT Rack-1 no.	1
SERVICE FLOOR (+4.5 Mtr Level)				
2	Hall-A3-Front wing	Hub Room	IT Rack-1 no.	1
FIRST FLOOR				
3	Hall-A3-Back of House(BOH)	Hub Room	IT Rack-1 no.	1
SERVICE FLOOR (+18.426 Mtr Level)				1
4	Hall-A3-Front wing	Hub Room	IT Rack-1 no.	
				4

EXHIBITION HALL-A4a (ALL FLOOR LEVELS) HUB ROOM & IT RACKS DETAILS				
Project Name: Re-development of ITPO Complex into Integrated Exhibition-Cum-Convention Centre (IECC) at Pragati Maidan, New Delhi				
Sl. No.	Area Description	Room Description	Items Description	
GROUND FLOOR				Total Hub Room
1	Hall-A4a-Back of House(BOH)	Hub Room	IT Rack-1 no.	1
SERVICE FLOOR (+4.5 Mtr Level)				
2	Hall-A4a-Front Wing	Hub-Room	IT Rack-1 no.	1
SERVICE FLOOR (+11.460 Mtr Level)				
3	Hall-A4a-Front Wing	Hub Room	IT Rack-1 no.	1
FIRST FLOOR				
4	Hall-A4a-Back of House(BOH)	Hub Room	IT Rack-1 no.	1
SERVICE FLOOR (+18.426 Mtr Level)				
5	Hall-A4a-Front Wing	Hub Room	IT Rack-1 no.	1
				5

EXHIBITION HALL-A4b (ALL FLOOR LEVELS) HUB ROOM & IT RACKS DETAILS				
Project Name: Re-development of ITPO Complex into Integrated Exhibition-Cum-Convention Centre (IECC) at Pragati Maidan, New Delhi				
Sl. No.	Area Description	Room Description	Items Description	
GROUND FLOOR				Total Hub Room
1	Hall-A4b-Back of House(BOH)	Hub Room	IT Rack-1 no.	1
SERVICE FLOOR (+4.5 Mtr Level)				
2	Hall-A4b-Front Wing	Hub Room	IT Rack-1 no.	1
FIRST FLOOR				
3	Hall-A4b-Back of House(BOH)	Hub Room	IT Rack-1 no.	1
SERVICE FLOOR (+18.426 Mtr Level)				
4	Hall-A4b-Front Wing	Hub Room	IT Rack-1 no.	1
				4

EXHIBITION HALL-A45 (ALL FLOOR LEVELS) HUB ROOM & IT RACKS DETAILS				
Project Name: Re-development of ITPO Complex into Integrated Exhibition-Cum-Convention Centre (IECC) at Pragati Maidan, New Delhi				
Sl. No.	Area Description	Room Description	Items Description	
GROUND FLOOR				Total Hub Room
1	Hall-A5-Back of House(BOH)	Hub Room	IT Rack-1 no.	1
2	Hall-A5-Towards Entry Plaza-2	Hub Room	IT Rack-1 no.	1
SERVICE FLOOR (+4.5 Mtr Level)				
3	Hall-A5-Front wing	Hub Room	IT Rack-1 no.	1
MEZZANINE FLOOR (+8m Mtr Level)				
4	Hall-A5-Front Wing	Hub Room	IT Rack-1 no.	1
FIRST FLOOR				
5	Hall-A5-Towards Entry Plaza-2	Hub Room	IT Rack-1 no.	1
6	Hall-A5-Back of House(BOH)	Hub Room (Science Museum Side)	IT Rack-1 no.	1
SERVICE FLOOR (+18.426 Mtr Level)				
7	Hall-A5-Front Wing	Hub Room	IT Rack-1 no.	1
				7
			Total Hub rooms/Racks	20

HALL A3 Ground Floor - North Side Area

Sr. No	Rack No & Location	Point Location	Nodes Type	Point No		Total Nodes	
1	EXR01 - 4.5 Mtr North Side	Prefunction Area	Data Nodes	A3GF-R01-D01	A3GF-R01-D02	23	
2				A3GF-R01-D03	A3GF-R01-D04		
3				A3GF-R01-D05	A3GF-R01-D06		
4				A3GF-R01-D07	A3GF-R01-D08		
5				A3GF-R01-D09	A3GF-R01-D10		
6				A3GF-R01-D11	A3GF-R01-D12		
7				A3GF-R01-D13	A3GF-R01-D14		
8				A3GF-R01-D15	A3GF-R01-D16		
9				A3GF-R01-D17	A3GF-R01-D18		
10				A3GF-R01-D19	A3GF-R01-D20		
11				A3GF-R01-PA -01	A3GF-R01-Extra		
12	Fire Control Room - Prefunction	A3GF-R01-D110					
13	EXR01 - 4.5 Mtr North Side	Prefunction Area	Voice Nodes	A3GF-R01-V01	A3GF-R01-V02	10	
14				A3GF-R01-V03	A3GF-R01-V04		
15				A3GF-R01-V05	A3GF-R01-V06		
16				A3GF-R01-V07	A3GF-R01-V08		
17				A3GF-R01-V09	A3GF-R01-V10		
18	EXR01 - 4.5 Mtr North Side	Prefunction Area	CCTV Nodes	A3GF-R01-CCD01	A3GF-R01-CCD02	14	
19		Circulation Area		A3GF-R01-CCD03	A3GF-R01-CCD04		
20				A3GF-R01-CCD05			
21		Ground Stairecase Area		A3GF-R01-CCD06	A3GF-R01-CCD07		
22		Hall Area Ceiling Points		A3GF-R01-CCD08			
23		Hall Area Stairecase		A3GF-R01-CCD09			
24		Prefunction stairecase Area		A3GF-R01-CCD10	A3GF-R01-CCD11		
25				A3GF-R01-CCD12			
26		Corridor Area		A3GF-R01-CCD13			
27	Fire Control Room - Prefunction	A3GF-R01-CCD14					
28	EXR01 - 4.5 Mtr North Side	Fire Control Room - Prefunction	Access Nodes	A3GF-R01-ACC-D01		1	
29	EXR01 - 4.5 Mtr North Side	Prefunctioun Area	AV Nodes	A3GF-R01-AVD01	A3GF-R01-AVD02	16	
30				A3GF-R01-AVD03	A3GF-R01-AVD04		
31				A3GF-R01-AVD05	A3GF-R01-AVD06		
32	EXR01 - 4.5 Mtr North Side	Hall Area Pillar Points		A3GF-R01-AVD07	A3GF-R01-AVD08		
33				A3GF-R01-AVD09	A3GF-R01-AVD10		
34				A3GF-R01-AVD11	A3GF-R01-AVD12		
35	EXR01 - 4.5 Mtr North Side	Hall Area Ceiling Plate Points		A3GF-R01-AVD13	A3GF-R01-AVD14		
36				A3GF-R01-AVD15	A3GF-R01-AVD16		
37	EXR01 - 4.5 Mtr North Side	Prefunction Area	AP Nodes	A3GF-R01-APD01	A3GF-R01-APD02	5	
38		Hall Area		A3GF-R01-APD03	A3GF-R01-APD04		
39				A3GF-R01-APD05			
40	EXR01 - 4.5 Mtr North Side	A3 Ground Floor - Outside of Prefunction	Kisok Machine Data Nodes	A3GF-R01-D01	A3GF-R01-D02	12	
41				A3GF-R01-D03	A3GF-R01-D04		
42	EXR01 - 4.5 Mtr North Side	A3 Ground Floor - Canopy Area	Canopy Area (AP & CCTV)	A3GF-R01-WAP D01		3	
43				A3GF-R01-CCTV D01	A3GF-R01-CCTV D02		
44				A3GF-R01-D22	A3GF-R01-D23		
45				A3GF-R01-D24	A3GF-R01-D25		
46				A3GF-R01-D26	A3GF-R01-D27		
47				A3GF-R01-D28	A3GF-R01-D29		
48				A3GF-R01-D30	A3GF-R01-D31		
49				A3GF-R01-D32	A3GF-R01-D33		
50				A3GF-R01-D34	A3GF-R01-D35		
51				A3GF-R01-D36	A3GF-R01-D37		
52				A3GF-R01-D38	A3GF-R01-D39		

53	EXR01 - 4.5 Mtr North Side	Hall Area Utility Data Nodes	Data Nodes	A3GF-R01-D40	A3GF-R01-D41	88
54				A3GF-R01-D42	A3GF-R01-D43	
55				A3GF-R01-D44	A3GF-R01-D45	
56				A3GF-R01-D46	A3GF-R01-D47	
57				A3GF-R01-D48	A3GF-R01-D49	
58				A3GF-R01-D450	A3GF-R01-D51	
59				A3GF-R01-D52	A3GF-R01-D53	
60				A3GF-R01-D54	A3GF-R01-D55	
61				A3GF-R01-D56	A3GF-R01-D57	
62				A3GF-R01-D58	A3GF-R01-D59	
63				A3GF-R01-D60	A3GF-R01-D61	
64				A3GF-R01-D62	A3GF-R01-D63	
65				A3GF-R01-D64	A3GF-R01-D65	
66				A3GF-R01-D66	A3GF-R01-D67	
67				A3GF-R01-D68	A3GF-R01-D69	
68				A3GF-R01-D70	A3GF-R01-D71	
69				A3GF-R01-D72	A3GF-R01-D73	
70				A3GF-R01-D74	A3GF-R01-D75	
71				A3GF-R01-D76	A3GF-R01-D77	
72				A3GF-R01-D78	A3GF-R01-D79	
73				A3GF-R01-D80	A3GF-R01-D81	
74				A3GF-R01-D82	A3GF-R01-D83	
75				A3GF-R01-D84	A3GF-R01-D85	
76				A3GF-R01-D86	A3GF-R01-D87	
77				A3GF-R01-D88	A3GF-R01-D89	
78				A3GF-R01-D90	A3GF-R01-D91	
79				A3GF-R01-D92	A3GF-R01-D93	

80				A3GF-R01-D94	A3GF-R01-D95	
81				A3GF-R01-D96	A3GF-R01-D97	
82				A3GF-R01-D98	A3GF-R01-D99	
83				A3GF-R01-D100	A3GF-R01-D101	
84				A3GF-R01-D102	A3GF-R01-D103	
85				A3GF-R01-D104	A3GF-R01-D105	
86				A3GF-R01-D106	A3GF-R01-D107	
87				A3GF-R01-D108	A3GF-R01-D109	
	Total Nodes					172
HALL A3 Ground Floor - South Side Area						
Sr. No	Rack No -Location	Point Location	Nodes Type	Point No		Total Nodes
1	EXR02 - Ground Floor South Side	Stairecase - ExitGate	CCTV Nodes	A3GF-R02-CCD01	A3GF-R02-CCD02	8
2		Stairecase		A3GF-R02-CCD03	A3GF-R02-CCD04	
3		Cargo Lift Area		A3GF-R02-CCD05		
4		Hall Stairecase		A3GF-R02-CCD06		
5		Left Exit Gate		A3GF-R02-CCD07		
6		Hall Area Ceiling Point		A3GF-R02-CCD08		
7		Electrical Room	Access Nodes	A3GF-R02-ACCD01		1
8	EXR02 - Ground Floor South Side	Back Side Wall Point	AV Nodes	A3GF-R02-AVD01	A3GF-R02-AVD02	45
9				A3GF-R02-AVD03	A3GF-R02-AVD04	
10				A3GF-R02-AVD05	A3GF-R02-AVD06	
11				A3GF-R02-AVD07	A3GF-R02-AVD08	
12				A3GF-R02-AVD09		
13				A3GF-R02-AVD10	A3GF-R02-AVD11	
14				A3GF-R02-AVD12	A3GF-R02-AVD13	
15				A3GF-R02-AVD14		
16				A3GF-R02-AVD15	A3GF-R02-AVD16	
17				A3GF-R02-AVD17	A3GF-R02-AVD18	
18				A3GF-R02-AVD19		
19		Left Side Pillar Point		A3GF-R02-AVD20	A3GF-R02-AVD21	
20				A3GF-R02-AVD22	A3GF-R02-AVD23	
21				A3GF-R02-AVD24		
22				A3GF-R02-AVD25	A3GF-R02-AVD26	
23		Left Side Pillar Point		A3GF-R02-AVD27	A3GF-R02-AVD28	
24				A3GF-R02-AVD29		
25		Hall Area Ceiling Plate points		A3GF-R02-AVD30	A3GF-R02-AVD31	
26				A3GF-R02-AVD32	A3GF-R02-AVD33	
27				A3GF-R02-AVD34	A3GF-R02-AVD35	
28				A3GF-R02-AVD36	A3GF-R02-AVD37	
29				A3GF-R02-AVD38	A3GF-R02-AVD39	
30				A3GF-R02-AVD40	A3GF-R02-AVD41	
31				A3GF-R02-AVD42	A3GF-R02-AVD43	
32				A3GF-R02-AVD44	A3GF-R02-AVD45	
33	EXR02 - Ground Floor South Side	Hall Area Ceiling Points	AP Nodes	A3GF-R02-APD01	A3GF-R02-APD02	4
34				A3GF-R02-APD03	A3GF-R02-APD04	
35				A3GF-R02-D01	A3GF-R02-D02	
36				A3GF-R02-D03	A3GF-R02-D04	
37				A3GF-R02-D05	A3GF-R02-D06	
38				A3GF-R02-D07	A3GF-R02-D08	
39				A3GF-R02-D09	A3GF-R02-D10	
40				A3GF-R02-D11	A3GF-R02-D12	
41				A3GF-R02-D13	A3GF-R02-D14	
42				A3GF-R02-D15	A3GF-R02-D16	
43				A3GF-R02-D17	A3GF-R02-D18	
44				A3GF-R02-D19	A3GF-R02-D20	
45				A3GF-R02-D21	A3GF-R02-D22	
46				A3GF-R02-D23	A3GF-R02-D24	
47				A3GF-R02-D25	A3GF-R02-D26	
48				A3GF-R02-D27	A3GF-R02-D28	
49				A3GF-R02-D29	A3GF-R02-D30	
50				A3GF-R02-D31	A3GF-R02-D32	
51				A3GF-R02-D33	A3GF-R02-D34	

52	EXR02 - Ground Floor South Side	Hall Area Utility Data Nodes	Data Nodes	A3GF-R02-D35	A3GF-R02-D36	108
53				A3GF-R02-D37	A3GF-R02-D38	
54				A3GF-R02-D39	A3GF-R02-D40	
55				A3GF-R02-D41	A3GF-R02-D42	
56				A3GF-R02-D43	A3GF-R02-D44	
57				A3GF-R02-D45	A3GF-R02-D46	
58				A3GF-R02-D47	A3GF-R02-D48	
59				A3GF-R02-D49	A3GF-R02-D50	
60				A3GF-R02-D51	A3GF-R02-D52	
61				A3GF-R02-D53	A3GF-R02-D54	
62				A3GF-R02-D55	A3GF-R02-D56	
63				A3GF-R02-D57	A3GF-R02-D58	
64				A3GF-R02-D59	A3GF-R02-D60	
65				A3GF-R02-D61	A3GF-R02-D62	
66				A3GF-R02-D63	A3GF-R02-D64	
67				A3GF-R02-D65	A3GF-R02-D66	
68				A3GF-R02-D67	A3GF-R02-D68	
69				A3GF-R02-D69	A3GF-R02-D70	
70				A3GF-R02-D71	A3GF-R02-D72	
71				A3GF-R02-D73	A3GF-R02-D74	
72				A3GF-R02-D75	A3GF-R02-D76	
73				A3GF-R02-D77	A3GF-R02-D78	
74				A3GF-R02-D79	A3GF-R02-D80	
75				A3GF-R02-D81	A3GF-R02-D82	
76				A3GF-R02-D83	A3GF-R02-D84	
77				A3GF-R02-D85	A3GF-R02-D86	
78				A3GF-R02-D87	A3GF-R02-D88	
79				A3GF-R02-D89	A3GF-R02-D90	
80				A3GF-R02-D91	A3GF-R02-D92	
81				A3GF-R02-D93	A3GF-R02-D94	
82				A3GF-R02-D95	A3GF-R02-D96	
83				A3GF-R02-D97	A3GF-R02-D98	
84				A3GF-R02-D99	A3GF-R02-D100	
85				A3GF-R02-D101	A3GF-R02-D102	
86				A3GF-R02-D103	A3GF-R02-D104	
87				A3GF-R02-D105	A3GF-R02-D106	
88				A3GF-R02-D107	A3GF-R02-D108	
	Total Nodes					166
					A3 GROUND FLOOR	172
						166
					A3 FIRST FLOOR	163
						161
					AS PER THE SITE TOTAL POINTS	662

HALL A4a Ground Floor - North Side Area

Sr. No	Rack No & Location	Point Location	Nodes Type	Point No		Total Nodes
1	EXR03 - 4.5 Mtr North Side	Prefunction Area	Data Nodes	A4AGF-R03-D01	A4AGF-R03-D02	22
2				A4AGF-R03-D03	A4AGF-R03-D04	
3				A4AGF-R03-D05	A4AGF-R03-D06	
4				A4AGF-R03-D07	A4AGF-R03-D08	
5				A4AGF-R03-D09	A4AGF-R03-D10	
6				A4AGF-R03-D11	A4AGF-R03-D12	
7				A4AGF-R03-D13	A4AGF-R03-D14	
8				A4AGF-R03-D15	A4AGF-R03-D16	
9				A4AGF-R03-D17	A4AGF-R03-D18	
10				A4AGF-R03-D19	A4AGF-R03-D20	
11				A4AGF-R03-PA -01	A4AGF-R03-Extra	
12	EXR03 - 4.5 Mtr North Side	Prefunction Area	Voice Nodes	A4AGF-R03-V01	A4AGF-R03-V02	10
13				A4AGF-R03-V03	A4AGF-R03-V04	
14				A4AGF-R03-V05	A4AGF-R03-V06	
15				A4AGF-R03-V07	A4AGF-R03-V08	
16	EXR03 - 4.5 Mtr North Side	Prefunction Area	CCTV Nodes	A4AGF-R03-CCD01	A4AGF-R03-CCD02	9
17				A4AGF-R03-CCD03	A4AGF-R03-CCD04	
18				A4AGF-R03-CCD05		
19				A4AGF-R03-CCD06	A4AGF-R03-CCD07	
20				A4AGF-R03-CCD08		
21				A4AGF-R03-CCD09		
22	EXR03 - 4.5 Mtr North Side	Prefunction Area	AV Nodes	A4AGF-R03-AVD01	A4AGF-R03-AVD02	10
23				A4AGF-R03-AVD03	A4AGF-R03-AVD04	
24	EXR03 - 4.5 Mtr North Side	Hall Area Pillar Points	AV Nodes	A4AGF-R03-AVD05	A4AGF-R03-AVD06	10
25				A4AGF-R03-AVD07	A4AGF-R03-AVD8	
26				A4AGF-R03-AVD09	A4AGF-R03-AVD10	
27				A4AGF-R03-APD01	A4AGF-R03-APD02	
28	EXR03 - 4.5 Mtr North Side	Hall Area Ceiling Points	AP Nodes	A4AGF-R03-APD03	A4AGF-R03-APD04	5
29				A4AGF-R03-APD05		
30						
31	EXR03 - 4.5 Mtr North Side	A4a Ground Floor - Outside of Prefunction - Canopy Area	Kiosk Machine Data Nodes	A3GF-R03-D01	A3GF-R03-D02	4
32				A3GF-R03-D03	A3GF-R03-D04	
33	EXR03 - 4.5 Mtr North Side	A3 Ground Floor - Canopy Area	Canopy Area (AP & CCTV)	A3GF-R03-WAP D01		2
34				A3GF-R03-CCTV D01		
35	EXR03 - 4.5 Mtr North Side	Hall Area Utility Data Nodes	Data Nodes	A4AGF-R03-D22	A4AGF-R03-D23	70
36				A4AGF-R03-D24	A4AGF-R03-D25	
37				A4AGF-R03-D26	A4AGF-R03-D27	
38				A4AGF-R03-D28	A4AGF-R03-D29	
39				A4AGF-R03-D30	A4AGF-R03-D31	
40				A4AGF-R03-D32	A4AGF-R03-D33	
41				A4AGF-R03-D34	A4AGF-R03-D35	
42				A4AGF-R03-D36	A4AGF-R03-D37	
43				A4AGF-R03-D38	A4AGF-R03-D39	
44				A4AGF-R03-D40	A4AGF-R03-D41	
45				A4AGF-R03-D42	A4AGF-R03-D43	
46				A4AGF-R03-D44	A4AGF-R03-D45	
47				A4AGF-R03-D46	A4AGF-R03-D47	
48				A4AGF-R03-D48	A4AGF-R03-D49	
49				A4AGF-R03-D450	A4AGF-R03-D51	
50				A4AGF-R03-D52	A4AGF-R03-D53	
51				A4AGF-R03-D54	A4AGF-R03-D55	
52				A4AGF-R03-D56	A4AGF-R03-D57	
53				A4AGF-R03-D58	A4AGF-R03-D59	
54				A4AGF-R03-D60	A4AGF-R03-D61	
55				A4AGF-R03-D62	A4AGF-R03-D63	
56				A4AGF-R03-D64	A4AGF-R03-D65	
57				A4AGF-R03-D66	A4AGF-R03-D67	
58				A4AGF-R03-D68	A4AGF-R03-D69	
59				A4AGF-R03-D70	A4AGF-R03-D71	
60				A4AGF-R03-D72	A4AGF-R03-D73	
61				A4AGF-R03-D74	A4AGF-R03-D75	
62				A4AGF-R03-D76	A4AGF-R03-D77	
63				A4AGF-R03-D78	A4AGF-R03-D79	
64				A4AGF-R03-D80	A4AGF-R03-D81	

65				A4AGF-R03-D82	A4AGF-R03-D83		
66				A4AGF-R03-D84	A4AGF-R03-D85		
67				A4AGF-R03-D86	A4AGF-R03-D87		
68				A4AGF-R03-D88	A4AGF-R03-D89		
69				A4AGF-R03-D90	A4AGF-R03-D91		
	Total Nodes					132	
HALL A4A Ground Floor - South Side							
Sr. No	Rack No - Location	Point Location	Nodes Type	Point No		Total Nodes	
1	EXR04 - Ground Floor South Side	Stairecase Area	CCTV Nodes	A4AGF-R04-CCD01	A4AGF-R04-CCD02	6	
2		Exit Gate		A4AGF-R04-CCD03			
3		Stairecase Area		A4AGF-R04-CCD04	A4AGF-R04-CCD05		
4		Hall Ceiling Point		A4AGF-R04-CCD06			
5	EXR04 - Ground Floor South Side	Electrical Room	Access Nodes	A4AGF-R04-ACCD01		1	
6	EXR04 - Ground Floor South Side	Back Side Wall Point	AV Nodes	A4AGF-R04-AVD01	A4AGF-R04-AVD02	31	
7				A4AGF-R04-AVD03	A4AGF-R04-AVD04		
8				A4AGF-R04-AVD05	A4AGF-R04-AVD06		
9				A4AGF-R04-AVD07	A4AGF-R04-AVD08		
10				A4AGF-R04-AVD09			
11				A4AGF-R04-AVD10	A4AGF-R04-AVD11		
12				A4AGF-R04-AVD12	A4AGF-R04-AVD13		
13				A4AGF-R04-AVD14			
14				A4AGF-R04-AVD15	A4AGF-R04-AVD16		
15				A4AGF-R04-AVD17	A4AGF-R04-AVD18		
16				A4AGF-R04-AVD19			
17		Hall Area Ceiling Plate points		A4AGF-R04-AVD20	A4AGF-R04-AVD21		
18				A4AGF-R04-AVD22	A4AGF-R04-AVD23		
19				A4AGF-R04-AVD24	A4AGF-R04-AVD25		
20				A4AGF-R04-AVD26	A4AGF-R04-AVD27		
21				A4AGF-R04-AVD28	A4AGF-R04-AVD29		
22				A4AGF-R04-AVD30	A4AGF-R04-AVD31		
23	EXR04 - Ground Floor South Side	Hall Area Ceiling Points	AP Nodes	A4AGF-R04-APD01	A4AGF-R04-APD02	5	
24				A4AGF-R04-APD03	A4AGF-R04-APD04		
25				A4AGF-R04-APD05			
26	EXR04 - Ground Floor South Side	Hall Area Utility Data Nodes	Data Nodes	A4AGF-R04-D01	A4AGF-R04-D02	98	
27				A4AGF-R04-D03	A4AGF-R04-D04		
28				A4AGF-R04-D05	A4AGF-R04-D06		
29				A4AGF-R04-D07	A4AGF-R04-D08		
30				A4AGF-R04-D09	A4AGF-R04-D10		
31				A4AGF-R04-D11	A4AGF-R04-D12		
32				A4AGF-R04-D13	A4AGF-R04-D14		
33				A4AGF-R04-D15	A4AGF-R04-D16		
34				A4AGF-R04-D17	A4AGF-R04-D18		
35				A4AGF-R04-D19	A4AGF-R04-D20		
36				A4AGF-R04-D21	A4AGF-R04-D22		
37				A4AGF-R04-D23	A4AGF-R04-D24		
38				A4AGF-R04-D25	A4AGF-R04-D26		
39				A4AGF-R04-D27	A4AGF-R04-D28		
40				A4AGF-R04-D29	A4AGF-R04-D30		
41				A4AGF-R04-D31	A4AGF-R04-D32		
42				A4AGF-R04-D33	A4AGF-R04-D34		
43				A4AGF-R04-D35	A4AGF-R04-D36		
44				A4AGF-R04-D37	A4AGF-R04-D38		
45				A4AGF-R04-D39	A4AGF-R04-D40		
46				A4AGF-R04-D41	A4AGF-R04-D42		
47				A4AGF-R04-D43	A4AGF-R04-D44		
48				A4AGF-R04-D45	A4AGF-R04-D46		
49				A4AGF-R04-D47	A4AGF-R04-D48		
50				A4AGF-R04-D49	A4AGF-R04-D50		
51				A4AGF-R04-D51	A4AGF-R04-D52		
52				A4AGF-R04-D53	A4AGF-R04-D54		
53				A4AGF-R04-D55	A4AGF-R04-D56		
54				A4AGF-R04-D57	A4AGF-R04-D58		
55				A4AGF-R04-D59	A4AGF-R04-D60		
56				A4AGF-R04-D61	A4AGF-R04-D62		
57				A4AGF-R04-D63	A4AGF-R04-D64		
58				A4AGF-R04-D65	A4AGF-R04-D66		
59				A4AGF-R04-D67	A4AGF-R04-D68		

60			A4AGF-R04-D69	A4AGF-R04-D70	
61			A4AGF-R04-D71	A4AGF-R04-D72	
62			A4AGF-R04-D73	A4AGF-R04-D74	
63			A4AGF-R04-D75	A4AGF-R04-D76	
64			A4AGF-R04-D77	A4AGF-R04-D78	
65			A4AGF-R04-D79	A4AGF-R04-D80	
66			A4AGF-R04-D81	A4AGF-R04-D82	
67			A4AGF-R04-D83	A4AGF-R04-D84	
68			A4AGF-R04-D85	A4AGF-R04-D86	
69			A4AGF-R04-D87	A4AGF-R04-D88	
70			A4AGF-R04-D89	A4AGF-R04-D90	
71			A4AGF-R04-D91	A4AGF-R04-D92	
72			A4AGF-R04-D93	A4AGF-R04-D94	
73			A4AGF-R04-D95	A4AGF-R04-D96	
74			A4AGF-R04-D97	A4AGF-R04-D98	
Total Nodes					141

A4A GROUND FLOOR	132
	141
A4B GROUND FLOOR	135
	151
A4A FIRST FLOOR	135
	131
	130
A4B FIRST FLOOR	143
AS PER THE SITE	
TOTAL POINT	1098

HALL A4b Ground Floor - North Side Area

Sr. No	Rack No -Location	Point Location	Nodes Type	Point No		Total Nodes
1	EXR05 - 4.5 Mtr North Side	Prefunction Area	Data Nodes	A4BGF-R05-D01	A4BGF-R05-D02	22
2				A4BGF-R05-D03	A4BGF-R05-D04	
3				A4BGF-R05-D05	A4BGF-R05-D06	
4				A4BGF-R05-D07	A4BGF-R05-D08	
5				A4BGF-R05-D09	A4BGF-R05-D10	
6				A4BGF-R05-D11	A4BGF-R05-D12	
7				A4BGF-R05-D13	A4BGF-R05-D14	
8				A4BGF-R05-D15	A4BGF-R05-D16	
9				A4BGF-R05-D17	A4BGF-R05-D18	
10				A4BGF-R05-D19	A4BGF-R05-D20	
11				A4BGF-R05-PA -01	A4BGF-R05-Extra	
12	EXR05 - 4.5 Mtr North Side	Prefunction Area	Voice Nodes	A4BGF-R05-V01	A4BGF-R05-V02	10
13				A4BGF-R05-V03	A4BGF-R05-V04	
14				A4BGF-R05-V05	A4BGF-R05-V06	
15				A4BGF-R05-V07	A4BGF-R05-V08	
16				A4BGF-R05-V09	A4BGF-R05-V10	
17	EXR05 - 4.5 Mtr North Side	Prefunction Area	CCTV Nodes	A4BGF-R05-CCD01	A4BGF-R05-CCD02	4
18		Hall Area Ceiling		A4BGF-R05-CCD03		
19		Corridor Area		A4BGF-R05-CCD04		
20	EXR05 - 4.5 Mtr North Side	Prefunction Area - Wall Point	AV Nodes	A4BGF-R05-AVD01	A4BGF-R05-AVD02	10
21	EXR05 - 4.5 Mtr North Side	Hall Area Pillar Points		A4BGF-R05-AVD03	A4BGF-R05-AVD04	
22				A4BGF-R05-AVD05	A4BGF-R05-AVD06	
23				A4BGF-R05-AVD07	A4BGF-R05-AVD8	
24				A4BGF-R05-AVD09	A4BGF-R05-AVD10	
25	EXR05 - 4.5 Mtr North Side	Prefunction Area	AP Nodes	A4BGF-R05-APD01	A4BGF-R05-APD02	5
26		Hall Area Ceiling Points		A4BGF-R05-APD03	A4BGF-R05-APD04	
27				A4BGF-R05-APD05		
28	EXR05 - 4.5 Mtr North Side	A4a Ground Floor - Outside of Prefunction - Canopy Area	Kiosk	A3GF-R05-D01	A3GF-R05-D02	4
29	EXR05 - 4.5 Mtr North Side	A3 Ground Floor - Canopy Area	Machine Data	A3GF-R05-D03	A3GF-R05-D04	
30			Canopy Area (AP & CCTV)	A3GF-R05-WAP D01		2
31				A3GF-R05-CCTV D01		
32	EXR05 - 4.5 Mtr North Side	Hall Area Utility Data Nodes	Data Nodes	A4BGF-R05-D22	A4BGF-R05-D23	78
33				A4BGF-R05-D24	A4BGF-R05-D25	
34				A4BGF-R05-D26	A4BGF-R05-D27	
35				A4BGF-R05-D28	A4BGF-R05-D29	
36				A4BGF-R05-D30	A4BGF-R05-D31	
37				A4BGF-R05-D32	A4BGF-R05-D33	
38				A4BGF-R05-D34	A4BGF-R05-D35	
39				A4BGF-R05-D36	A4BGF-R05-D37	
40				A4BGF-R05-D38	A4BGF-R05-D39	
41				A4BGF-R05-D40	A4BGF-R05-D41	
42				A4BGF-R05-D42	A4BGF-R05-D43	
43				A4BGF-R05-D44	A4BGF-R05-D45	
44				A4BGF-R05-D46	A4BGF-R05-D47	
45				A4BGF-R05-D48	A4BGF-R05-D49	
46				A4BGF-R05-D450	A4BGF-R05-D51	
47				A4BGF-R05-D52	A4BGF-R05-D53	
48				A4BGF-R05-D54	A4BGF-R05-D55	
49				A4BGF-R05-D56	A4BGF-R05-D57	
50				A4BGF-R05-D58	A4BGF-R05-D59	
51				A4BGF-R05-D60	A4BGF-R05-D61	
52				A4BGF-R05-D62	A4BGF-R05-D63	
53				A4BGF-R05-D64	A4BGF-R05-D65	
54				A4BGF-R05-D66	A4BGF-R05-D67	
55				A4BGF-R05-D68	A4BGF-R05-D69	
56				A4BGF-R05-D70	A4BGF-R05-D71	
57				A4BGF-R05-D72	A4BGF-R05-D73	
58				A4BGF-R05-D74	A4BGF-R05-D75	
59				A4BGF-R05-D76	A4BGF-R05-D77	
60				A4BGF-R05-D78	A4BGF-R05-D79	
61				A4BGF-R05-D80	A4BGF-R05-D81	
62				A4BGF-R05-D82	A4BGF-R05-D83	
63				A4BGF-R05-D84	A4BGF-R05-D85	

64				A4BGF-R05-D86	A4BGF-R05-D87		
65				A4BGF-R05-D88	A4BGF-R05-D89		
66				A4BGF-R05-D90	A4BGF-R05-D91		
67				A4BGF-R05-D92	A4BGF-R05-D93		
68				A4BGF-R05-D94	A4BGF-R05-D95		
69				A4BGF-R05-D96	A4BGF-R05-D97		
70				A4BGF-R05-D98	A4BGF-R05-D99		
	Total Nodes					135	
HaLL A4b Ground Floor - South Side Area							
Sr. No	Rack No -Location	Point Location	Nodes Type	Point No		Total Nodes	
1	EXR06 - Ground Floor - South Side	Stairecase Area	CCTV Nodes	A4BGF-R06-CCD01	A4BGF-R06-CCD02	7	
2		Exit Gate		A4BGF-R06-CCD03			
3		Stairecase Area		A4BGF-R06-CCD04	A4BGF-R06-CCD05		
4		Hall Ceiling Point		A4BGF-R06-CCD07			
5	EXR06 - Ground Floor - South Side	Electrical Room	Access Nodes	A4BGF-R06-ACCD01		1	
6	EXR06 - Ground Floor - South Side	Back Side Wall Point	AV Nodes	A4BGF-R06-AVD01	A4BGF-R06-AVD02	31	
7				A4BGF-R06-AVD03	A4BGF-R06-AVD04		
8				A4BGF-R06-AVD05	A4BGF-R06-AVD06		
9				A4BGF-R06-AVD07	A4BGF-R06-AVD08		
10				A4BGF-R06-AVD09			
11				A4BGF-R06-AVD10	A4BGF-R06-AVD11		
12				A4BGF-R06-AVD12	A4BGF-R06-AVD13		
13				A4BGF-R06-AVD14			
14				A4BGF-R06-AVD15	A4BGF-R06-AVD16		
15				A4BGF-R06-AVD17	A4BGF-R06-AVD18		
16				A4BGF-R06-AVD19			
17		Hall Area Ceiling Plate points		A4BGF-R06-AVD20	A4BGF-R06-AVD21		
18				A4BGF-R06-AVD22	A4BGF-R06-AVD23		
19				A4BGF-R06-AVD24	A4BGF-R06-AVD25		
20				A4BGF-R06-AVD26	A4BGF-R06-AVD27		
21				A4BGF-R06-AVD28	A4BGF-R06-AVD29		
22				A4BGF-R06-AVD30	A4BGF-R06-AVD31		
23	EXR06 - Ground Floor - South Side	Hall Area Ceiling Points	AP Nodes	A4BGF-R06-APD01	A4BGF-R06-APD02	4	
24				A4BGF-R06-APD03	A4BGF-R06-APD04		
25	EXR06 - Ground Floor - South Side	Hall Area Utility Data Nodes	Data Nodes	A4BGF-R06-D01	A4BGF-R06-D02	108	
26				A4BGF-R06-D03	A4BGF-R06-D04		
27				A4BGF-R06-D05	A4BGF-R06-D06		
28				A4BGF-R06-D07	A4BGF-R06-D08		
29				A4BGF-R06-D09	A4BGF-R06-D10		
30				A4BGF-R06-D11	A4BGF-R06-D12		
31				A4BGF-R06-D13	A4BGF-R06-D14		
32				A4BGF-R06-D15	A4BGF-R06-D16		
33				A4BGF-R06-D17	A4BGF-R06-D18		
34				A4BGF-R06-D19	A4BGF-R06-D20		
35				A4BGF-R06-D21	A4BGF-R06-D22		
36				A4BGF-R06-D23	A4BGF-R06-D24		
37				A4BGF-R06-D25	A4BGF-R06-D26		
38				A4BGF-R06-D27	A4BGF-R06-D28		
39				A4BGF-R06-D29	A4BGF-R06-D30		
40				A4BGF-R06-D31	A4BGF-R06-D32		
41				A4BGF-R06-D33	A4BGF-R06-D34		
42				A4BGF-R06-D35	A4BGF-R06-D36		
43				A4BGF-R06-D37	A4BGF-R06-D38		
44				A4BGF-R06-D39	A4BGF-R06-D40		
45				A4BGF-R06-D41	A4BGF-R06-D42		
46				A4BGF-R06-D43	A4BGF-R06-D44		
47				A4BGF-R06-D45	A4BGF-R06-D46		
48				A4BGF-R06-D47	A4BGF-R06-D48		
49				A4BGF-R06-D49	A4BGF-R06-D50		
50				A4BGF-R06-D51	A4BGF-R06-D52		
51				A4BGF-R06-D53	A4BGF-R06-D54		
52				A4BGF-R06-D55	A4BGF-R06-D56		
53				A4BGF-R06-D57	A4BGF-R06-D58		
54				A4BGF-R06-D59	A4BGF-R06-D60		
55				A4BGF-R06-D61	A4BGF-R06-D62		
56				A4BGF-R06-D63	A4BGF-R06-D64		
57				A4BGF-R06-D65	A4BGF-R06-D66		

58			A4BGF-R06-D67	A4BGF-R06-D68	
59			A4BGF-R06-D69	A4BGF-R06-D70	
60			A4BGF-R06-D71	A4BGF-R06-D72	
61			A4BGF-R06-D73	A4BGF-R06-D74	
62			A4BGF-R06-D75	A4BGF-R06-D76	
63			A4BGF-R06-D77	A4BGF-R06-D78	
64			A4BGF-R06-D79	A4BGF-R06-D80	
65			A4BGF-R06-D81	A4BGF-R06-D82	
66			A4BGF-R06-D83	A4BGF-R06-D84	
67			A4BGF-R06-D85	A4BGF-R06-D86	
68			A4BGF-R06-D87	A4BGF-R06-D88	
69			A4BGF-R06-D89	A4BGF-R06-D90	
70			A4BGF-R06-D91	A4BGF-R06-D92	
71			A4BGF-R06-D93	A4BGF-R06-D94	
72			A4BGF-R06-D95	A4BGF-R06-D96	
73			A4BGF-R06-D97	A4BGF-R06-D98	
74			A4BGF-R06-D99	A4BGF-R06-D100	
75			A4BGF-R06-D101	A4BGF-R06-D102	
76			A4BGF-R06-D103	A4BGF-R06-D104	
77			A4BGF-R06-D105	A4BGF-R06-D106	
78			A4BGF-R06-D107	A4BGF-R06-D108	
Total Nodes					151

HALL A3 First Floor - North Side Area

S. No.	Rack No & Location	Point No	Node Type	Point Location	Total Point
1		A3-1F-R10-D01		Prefunction Area	
2		A3-1F-R10-D02			
3		A3-1F-R10-D03			
4		A3-1F-R10-D04			
5		A3-1F-R10-D05			
6		A3-1F-R10-D06			
7		A3-1F-R10-D07			
8		A3-1F-R10-D08			
9		A3-1F-R10-D09			
10		A3-1F-R10-D10			
11		A3-1F-R10-D11			
12		A3-1F-R10-D12			
13		Prefunction Area			
14		A3-1F-R10-D14			
15		A3-1F-R10-D15			
16		A3-1F-R10-D16			
17		A3-1F-R10-D17			
18		A3-1F-R10-D18			
19		A3-1F-R10-D19			
20		A3-1F-R10-D20			
21		A3-1F-R10-D21			
22		A3-1F-R10-D22			
23		A3-1F-R10-D23			
24		A3-1F-R10-D24			
25		A3-1F-R10-D25			
26		A3-1F-R10-D26			
27		A3-1F-R10-D27			
28		A3-1F-R10-D28			
29		A3-1F-R10-D29			
30		A3-1F-R10-D30			
31		A3-1F-R10-D31			
32		A3-1F-R10-D32			
33		A3-1F-R10-D33			
34		A3-1F-R10-D34			
35		A3-1F-R10-D35			
36		A3-1F-R10-D36			
37		A3-1F-R10-D37			
38		A3-1F-R10-D38			
39		A3-1F-R10-D39			
40		A3-1F-R10-D40			
41		A3-1F-R10-D41			
42		A3-1F-R10-D42			
43		A3-1F-R10-D43			
44		A3-1F-R10-D44			
45		A3-1F-R10-D45			
46		A3-1F-R10-D46			
47		A3-1F-R10-D47			
48		A3-1F-R10-D48			
49		A3-1F-R10-D49			
50		A3-1F-R10-D50			
51		A3-1F-R10-D51			

52	EXR-10 - A3 18 Mtr North Side	A3-1F-R10-D52	Data Nodes	First Floor Utility Data Points	108
53		A3-1F-R10-D53			
54		A3-1F-R10-D54			
55		A3-1F-R10-D55			
56		A3-1F-R10-D56			
57		A3-1F-R10-D57			
58		A3-1F-R10-D58			
59		A3-1F-R10-D59			
60		A3-1F-R10-D60			
61		A3-1F-R10-D61			
62		A3-1F-R10-D62			
63		A3-1F-R10-D63			
64		A3-1F-R10-D64			
65		A3-1F-R10-D65			
66		A3-1F-R10-D66			
67		A3-1F-R10-D67			
68		A3-1F-R10-D68			
69		A3-1F-R10-D69			
70		A3-1F-R10-D70			
71		A3-1F-R10-D71			
72		A3-1F-R10-D72			
73		A3-1F-R10-D73			
74		A3-1F-R10-D74			
75		A3-1F-R10-D75			
76		A3-1F-R10-D76			
77		A3-1F-R10-D77			
78		A3-1F-R10-D78			
79		A3-1F-R10-D79			
80		A3-1F-R10-D80			
81		A3-1F-R10-D81			
82		A3-1F-R10-D82			
83		A3-1F-R10-D83			
84		A3-1F-R10-D84			
85		A3-1F-R10-D85			
86		A3-1F-R10-D86			
87		A3-1F-R10-D87			
88		A3-1F-R10-D88			
89		A3-1F-R10-D89			
90		A3-1F-R10-D90			
91		A3-1F-R10-D91			
92		A3-1F-R10-D92			
93		A3-1F-R10-D93			
94		A3-1F-R10-D94			
95		A3-1F-R10-D95			
96		A3-1F-R10-D96			
97		A3-1F-R10-D97			
98		A3-1F-R10-D98			
99		A3-1F-R10-D99			
100		A3-1F-R10-D100			
101		A3-1F-R10-D101			
102		A3-1F-R10-D102			
103		A3-1F-R10-D103			
104		A3-1F-R10-D104			
105		A3-1F-R10-D105			
106		A3-1F-R10-D106			

107	A3-1F-R10-D107	Voice Nodes	Prefunction Area	2	
108	A3-1F-R10-D108				
109	Data - PA Room			10	
110	Data - Extra				
111	A3-1F-R10-V01				
112	A3-1F-R10-V02				
113	A3-1F-R10-V03				
114	A3-1F-R10-V04				
115	A3-1F-R10-V05				
116	A3-1F-R10-V06				
117	A3-1F-R10-V07				
118	A3-1F-R10-V08				
119	A3-1F-R10-V09				
120	A3-1F-R10-V10				
121	A3-1F-R10-AV-D01	AV Nodes	Prefunction Area	16	
122	A3-1F-R10-AV-D02				
123	A3-1F-R10-AV-D03				
124	A3-1F-R10-AV-D04				
125	A3-1F-R10-AV-D05				
126	A3-1F-R10-AV-D06				
127	A3-1F-R10-AV-D07		Hall ceiling		
128	A3-1F-R10-AV-D08				
129	A3-1F-R10-AV-D09				
130	A3-1F-R10-AV-D10		Middle Pillar		
131	A3-1F-R10-AV-D11				
132	A3-1F-R10-AV-D12				
133	A3-1F-R10-AV-D13				
134	A3-1F-R10-AV-D14				
135	A3-1F-R10-AV-D15				
136	A3-1F-R10-AV-D16				
137	A3-1F-R10-WAP-D01	AP Nodes	Prefunction ceiling		5
138	A3-1F-R10-WAP-D02		Hall ceiling		
139	A3-1F-R10-WAP-D03				
140	A3-1F-R10-WAP-D04				
141	A3-1F-R10-WAP-D05				
142	A3-1F-R10-CCD-D01	CCTV Nodes	Prefunction cieling	21	
143	A3-1F-R10-CCD-D02		Hub room		
144	A3-1F-R10-CCD-D03		Staircase beside prefunction left side		
145	A3-1F-R10-CCD-D04		Lift machine room		
146	A3-1F-R10-CCD-D05		Left north staircase		
147	A3-1F-R10-CCD-D06		Staircase beside prefunction right side		
148	A3-1F-R10-CCD-D07		Circulation area		
149	A3-1F-R10-CCD-D08				
150	A3-1F-R10-CCD-D09				
151	A3-1F-R10-CCD-D10				
152	A3-1F-R10-CCD-D11				
153	A3-1F-R10-CCD-D12		Hall ceiling		
154	A3-1F-R10-CCD-D13		Hubroom at 18 Mtrs		
155	A3-1F-R10-CCD-LC01	Corridor	Lift Prefunction Ground Left Side		
156	A3-1F-R10-CCD-LC02		Lift Side Stircase Lift		

157		A3-1F-R10-CCD-LC03	Lift CCTV Nodes	Rigt Side Staircase Lift	
158		A3-1F-R10-CCD-LC04		North Side Glass Elevator	
159		A3-1F-R10-CCD-LC05			
160		A3-1F-R10-CCD-LC06			
161		A3-1F-R10-CCD-LC07			
162		A3-1F-R10-CCD-LC08			
163		A3-1F-R10-ACC-D01	Access Nodes	North side Electrical room - 18Mtrs	1
Total Nodes					163
HALL A3 First Floor - South Side Area					
Sr. No.	Rack No.& Location	Point No	Node Type	Point Location	Total Point
1		A3-1F-R11-D01			
2		A3-1F-R11-D02			
3		A3-1F-R11-D03			
4		A3-1F-R11-D04			
5		A3-1F-R11-D05			
6		A3-1F-R11-D06			
7		A3-1F-R11-D07			
8		A3-1F-R11-D08			
9		A3-1F-R11-D09			
10		A3-1F-R11-D10			
11		A3-1F-R11-D11			
12		A3-1F-R11-D12			
13		A3-1F-R11-D13			
14		A3-1F-R11-D14			
15		A3-1F-R11-D15			
16		A3-1F-R11-D16			
17		A3-1F-R11-D17			
18		A3-1F-R11-D18			
19		A3-1F-R11-D19			
20		A3-1F-R11-D20			
21		A3-1F-R11-D21			
22		A3-1F-R11-D22			
23		A3-1F-R11-D23			
24		A3-1F-R11-D24			
25		A3-1F-R11-D25			
26		A3-1F-R11-D26			
27		A3-1F-R11-D27			
28		A3-1F-R11-D28			
29		A3-1F-R11-D29			
30		A3-1F-R11-D30			
31		A3-1F-R11-D31			
32		A3-1F-R11-D32			
33		A3-1F-R11-D33			
34		A3-1F-R11-D34			
35		A3-1F-R11-D35			
36		A3-1F-R11-D36			
37		A3-1F-R11-D37			
38		A3-1F-R11-D38			
39		A3-1F-R11-D39			
40		A3-1F-R11-D40			
41		A3-1F-R11-D41			
42		A3-1F-R11-D42			

43	EXR-11- A3 15 Mtr South Side	A3-1F-R11-D43	Data Nodes	Ground Floor Utility Data Points	104
44		A3-1F-R11-D44			
45		A3-1F-R11-D45			
46		A3-1F-R11-D46			
47		A3-1F-R11-D47			
48		A3-1F-R11-D48			
49		A3-1F-R11-D49			
50		A3-1F-R11-D50			
51		A3-1F-R11-D51			
52		A3-1F-R11-D52			
53		A3-1F-R11-D53			
54		A3-1F-R11-D54			
55		A3-1F-R11-D55			
56		A3-1F-R11-D56			
57		A3-1F-R11-D57			
58		A3-1F-R11-D58			
59		A3-1F-R11-D59			
60		A3-1F-R11-D60			
61		A3-1F-R11-D61			
62		A3-1F-R11-D62			
63		A3-1F-R11-D63			
64		A3-1F-R11-D64			
65		A3-1F-R11-D65			
66		A3-1F-R11-D66			
67		A3-1F-R11-D67			
68		A3-1F-R11-D68			
69		A3-1F-R11-D69			
70		A3-1F-R11-D70			
71		A3-1F-R11-D71			
72		A3-1F-R11-D72			
73		A3-1F-R11-D73			
74		A3-1F-R11-D74			
75		A3-1F-R11-D75			
76		A3-1F-R11-D76			
77		A3-1F-R11-D77			
78		A3-1F-R11-D78			
79		A3-1F-R11-D79			
80		A3-1F-R11-D80			
81		A3-1F-R11-D81			
82		A3-1F-R11-D82			
83		A3-1F-R11-D83			
84		A3-1F-R11-D84			
85		A3-1F-R11-D85			
86		A3-1F-R11-D86			
87		A3-1F-R11-D87			
88		A3-1F-R11-D88			
89		A3-1F-R11-D89			
90		A3-1F-R11-D90			
91		A3-1F-R11-D91			
92		A3-1F-R11-D92			
93		A3-1F-R11-D93			
94		A3-1F-R11-D94			
95		A3-1F-R11-D95			
96		A3-1F-R11-D96			
97		A3-1F-R11-D97			

98	A3-1F-R11-D98				
99	A3-1F-R11-D99				
100	A3-1F-R11-D100				
101	A3-1F-R11-D101				
102	A3-1F-R11-D102				
	A3-1F-R11-D103				
	A3-1F-R11-D104				
103	A3-1F-R11-AV-D01	AV Nodes	Hall ceiling	45	
104	A3-1F-R11-AV-D02				
105	A3-1F-R11-AV-D03				
106	A3-1F-R11-AV-D04				
107	A3-1F-R11-AV-D05				
108	A3-1F-R11-AV-D06				
109	A3-1F-R11-AV-D07				
110	A3-1F-R11-AV-D08				
111	A3-1F-R11-AV-D09				
112	A3-1F-R11-AV-D10				
113	A3-1F-R11-AV-D11				
114	A3-1F-R11-AV-D12				
115	A3-1F-R11-AV-D13				
116	A3-1F-R11-AV-D14				
117	A3-1F-R11-AV-D15				
118	A3-1F-R11-AV-D16				
119	A3-1F-R11-AV-D17		South side wall		
120	A3-1F-R11-AV-D18				
121	A3-1F-R11-AV-D19				
122	A3-1F-R11-AV-D20				
123	A3-1F-R11-AV-D21				
124	A3-1F-R11-AV-D22				
125	A3-1F-R11-AV-D23				
126	A3-1F-R11-AV-D24				
127	A3-1F-R11-AV-D25				
128	A3-1F-R11-AV-D26				
129	A3-1F-R11-AV-D27				
130	A3-1F-R11-AV-D28				
131	A3-1F-R11-AV-D29				
132	A3-1F-R11-AV-D30				
133	A3-1F-R11-AV-D31				
134	A3-1F-R11-AV-D32				
135	A3-1F-R11-AV-D33				
136	A3-1F-R11-AV-D34				
137	A3-1F-R11-AV-D35				Left Pillar
138	A3-1F-R11-AV-D36				
139	A3-1F-R11-AV-D37				
140	A3-1F-R11-AV-D38				
141	A3-1F-R11-AV-D39				
142	A3-1F-R11-AV-D40				
143	A3-1F-R11-AV-D41				
144	A3-1F-R11-AV-D42				
145	A3-1F-R11-AV-D43				
146	A3-1F-R11-AV-D44				
147	A3-1F-R11-AV-D45				
148	A3-1F-R11-WAP-D01	AP Nodes	Hall ceiling	4	
149	A3-1F-R11-WAP-D02				
150	A3-1F-R11-WAP-D03				
151	A3-1F-R11-WAP-D04				

152	A3-1F-R11-CCD-D01	CCTV Nodes	South staircase	6
153	A3-1F-R11-CCD-D02			
154	A3-1F-R11-CCD-D03		Cargo area door	
155	A3-1F-R11-CCD-D04		Left staircase	
156	A3-1F-R11-CCD-D05		Bridge	
157	A3-1F-R11-CCD-D06		Hall ceiling	
	A3-1F-R11-LC 01		South Side Indian Lift	1
160	A3-1F-R11-ACC-D01	Access Nodes	Electical room	1
Total Nodes				161

HALL A4a First Floor - North Side Area						
Sr. No.	Rack No & Location	Point No	Node Type	Point Location	Total Points	
1		A4A-1F-R12A-D01		Prefunction Area		
2		A4A-1F-R12A-D02				
3		A4A-1F-R12A-D03				
4		A4A-1F-R12A-D04				
5		A4A-1F-R12A-D05				
6		A4A-1F-R12A-D06				
7		A4A-1F-R12A-D07				
8		A4A-1F-R12A-D08				
9		A4A-1F-R12A-D09				
10		A4A-1F-R12A-D10				
11		A4A-1F-R12A-D11				
12		A4A-1F-R12A-D12				
13		Prefunction Area				
14		A4A-1F-R12A-D14				
15		A4A-1F-R12A-D15				
16		A4A-1F-R12A-D16				
17		A4A-1F-R12A-D17				
18		A4A-1F-R12A-D18				
19		A4A-1F-R12A-D19				
20		A4A-1F-R12A-D20				
21		A4A-1F-R12A-D21		Data Nodes		
22		A4A-1F-R12A-D22				
23		A4A-1F-R12A-D23				
24		A4A-1F-R12A-D24				
25		A4A-1F-R12A-D25				
26		A4A-1F-R12A-D26				
27		A4A-1F-R12A-D27				
28		A4A-1F-R12A-D28				
29		A4A-1F-R12A-D29				
30		A4A-1F-R12A-D30				
31		A4A-1F-R12A-D31				
32		A4A-1F-R12A-D32				
33		A4A-1F-R12A-D33				
34		A4A-1F-R12A-D34				
35		A4A-1F-R12A-D35				
36		A4A-1F-R12A-D36				
37		A4A-1F-R12A-D37				
38		A4A-1F-R12A-D38				
39		A4A-1F-R12A-D39				
40		A4A-1F-R12A-D40				
41		A4A-1F-R12A-D41				
42		A4A-1F-R12A-D42				
43		A4A-1F-R12A-D43				
44		A4A-1F-R12A-D44				
45		A4A-1F-R12A-D45				
46		A4A-1F-R12A-D46				
47		A4A-1F-R12A-D47				
48		A4A-1F-R12A-D48				
49		A4A-1F-R12A-D49				
50		A4A-1F-R12A-D50				
51		A4A-1F-R12A-D51				
52		A4A-1F-R12A-D52				

53	EXR-12A - A4A 18 Mtr - North Side	A4A-1F-R12A-D53		First Floor Utility Box Data points				
54		A4A-1F-R12A-D54						
55		A4A-1F-R12A-D55						
56		A4A-1F-R12A-D56						
57		A4A-1F-R12A-D57						
58		A4A-1F-R12A-D58						
59		A4A-1F-R12A-D59						
60		A4A-1F-R12A-D60						
61		A4A-1F-R12A-D61						
62		A4A-1F-R12A-D62						
63		A4A-1F-R12A-D63						
64		A4A-1F-R12A-D64						
65		A4A-1F-R12A-D65						
66		A4A-1F-R12A-D66						
67		A4A-1F-R12A-D67						
68		A4A-1F-R12A-D68						
69		A4A-1F-R12A-D69						
70		A4A-1F-R12A-D70						
71		A4A-1F-R12A-D71						
72		A4A-1F-R12A-D72						
73		A4A-1F-R12A-D73						
74		A4A-1F-R12A-D74						
75		A4A-1F-R12A-D75						
76		A4A-1F-R12A-D76						
77		A4A-1F-R12A-D77						
78		A4A-1F-R12A-D78						
79		A4A-1F-R12A-D79						
80		A4A-1F-R12A-D80						
81		A4A-1F-R12A-D81						
82		A4A-1F-R12A-D82						
83		A4A-1F-R12A-D83						
84		A4A-1F-R12A-D84						
85		A4A-1F-R12A-D85						
86		A4A-1F-R12A-D86						
87		A4A-1F-R12A-D87						
88		A4A-1F-R12A-D88						
89		A4A-1F-R12A-D89						
90		A4A-1F-R12A-D90						
91		PA Room				Voice Nodes	Prefunction Area	2
92		Extra						
93		A4A-1F-R12A-V01						
94		A4A-1F-R12A-V02						
95		A4A-1F-R12A-V03						
96		A4A-1F-R12A-V04						
97		A4A-1F-R12A-V05						
98		A4A-1F-R12A-V06						
99		A4A-1F-R12A-V07						
100		A4A-1F-R12A-V08						
101		A4A-1F-R12A-V09						
102		A4A-1F-R12A-V10						
103		A4A-1F-R12A-AV-D01	AV Nodes		10			
104		A4A-1F-R12A-AV-D02						
105		A4A-1F-R12A-AV-D03						
106		A4A-1F-R12A-AV-D04						
107		A4A-1F-R12A-AV-D05						
108		A4A-1F-R12A-AV-D06						

109	A4A-1F-R12A-AV-D07		Middle Pillar	
110	A4A-1F-R12A-AV-D08			
111	A4A-1F-R12A-AV-D09			
112	A4A-1F-R12A-AV-D10			
113	A4A-1F-R12A-WAP-D01	AP Nodes	Prefunction Area	5
114	A4A-1F-R12A-WAP-D02			
115	A4A-1F-R12A-WAP-D03		Hall ceiling	
116	A4A-1F-R12A-WAP-D04			
117	A4A-1F-R12A-WAP-D05			
118	A4A-1F-R12A-CCD-D01	CCTV Nodes	Prefunction Area	13
119	A4A-1F-R12A-CCD-D02			
120	A4A-1F-R12A-CCD-D03		Circulation area	
121	A4A-1F-R12A-CCD-D04			
122	A4A-1F-R12A-CCD-D05		Hall ceiling	
123	A4A-1F-R12A-CCD-D06		Hub room at 18 Mtrs	
124	A4A-1F-R12A-CCD-D07	Lift CCTV Nodes	Right Side Staircase Lift	13
125	A4A-1F-R14-LC-D01			
126	A4A-1F-R14-LC-D02			
127	A4A-1F-R14-LC-D03			
128	A4A-1F-R14-LC-D04			
129	A4A-1F-R14-LC-D05			
130	A4A-1F-R14-LC-D06			
131	A4A-1F-R12A-ACC-D01	Access	Hub room at 18 Mtrs	1
				131

HALL A4a First Floor - South Side Area

S. No.	Rack No./Location	Cable ID	Node Type	Point Location	Total Points
1		A4A-1F-R13-D01			
2		A4A-1F-R13-D02			
3		A4A-1F-R13-D03			
4		A4A-1F-R13-D04			
5		A4A-1F-R13-D05			
6		A4A-1F-R13-D06			
7		A4A-1F-R13-D07			
8		A4A-1F-R13-D08			
9		A4A-1F-R13-D09			
10		A4A-1F-R13-D10			
11		A4A-1F-R13-D11			
12		A4A-1F-R13-D12			
13		A4A-1F-R13-D13			
14		A4A-1F-R13-D14			
15		A4A-1F-R13-D15			
16		A4A-1F-R13-D16			
17		A4A-1F-R13-D17			
18		A4A-1F-R13-D18			
19		A4A-1F-R13-D19			
20		A4A-1F-R13-D20			
21		A4A-1F-R13-D21			
22		A4A-1F-R13-D22			
23		A4A-1F-R13-D23			
24		A4A-1F-R13-D24			

25		A4A-1F-R13-D25			
26		A4A-1F-R13-D26			
27		A4A-1F-R13-D27			
28		A4A-1F-R13-D28			
29		A4A-1F-R13-D29			
30		A4A-1F-R13-D30			
31		A4A-1F-R13-D31			
32		A4A-1F-R13-D32			
33		A4A-1F-R13-D33			
34		A4A-1F-R13-D34			
35		A4A-1F-R13-D35			
36		A4A-1F-R13-D36			
37		A4A-1F-R13-D37			
38		A4A-1F-R13-D38			
39		A4A-1F-R13-D39			
40		A4A-1F-R13-D40			
41		A4A-1F-R13-D41			
42		A4A-1F-R13-D42			
43		A4A-1F-R13-D43			
44		A4A-1F-R13-D44			
45		A4A-1F-R13-D45			
46		A4A-1F-R13-D46			
47		A4A-1F-R13-D47			
48		A4A-1F-R13-D48			
49		A4A-1F-R13-D49			
50		A4A-1F-R13-D50			
51		A4A-1F-R13-D51			
52		A4A-1F-R13-D52			
53		A4A-1F-R13-D53			
54		A4A-1F-R13-D54			
55		A4A-1F-R13-D55			
56		A4A-1F-R13-D56			
57		A4A-1F-R13-D57			
58		A4A-1F-R13-D58			
59		A4A-1F-R13-D59			
60		A4A-1F-R13-D60			
61		A4A-1F-R13-D61			
62		A4A-1F-R13-D62			
63		A4A-1F-R13-D63			
64		A4A-1F-R13-D64			
65		A4A-1F-R13-D65			
66		A4A-1F-R13-D66			
67		A4A-1F-R13-D67			
68		A4A-1F-R13-D68			
69		A4A-1F-R13-D69			
70		A4A-1F-R13-D70			
71		A4A-1F-R13-D71			
72		A4A-1F-R13-D72			
73		A4A-1F-R13-D73			
74		A4A-1F-R13-D74			
75		A4A-1F-R13-D75			
76		A4A-1F-R13-D76			
77		A4A-1F-R13-D77			
78		A4A-1F-R13-D78			
79		A4A-1F-R13-D79			
80		A4A-1F-R13-D80			
EXR-13 - A4A 15 Mtr - South Side			Data Nodes	First Floor Utility Box Data points	94

81	A4A-1F-R13-D81						
82	A4A-1F-R13-D82						
83	A4A-1F-R13-D83						
84	A4A-1F-R13-D84						
85	A4A-1F-R13-D85						
86	A4A-1F-R13-D86						
87	A4A-1F-R13-D87						
88	A4A-1F-R13-D88						
89	A4A-1F-R13-D89						
90	A4A-1F-R13-D90						
91	A4A-1F-R13-D91						
92	A4A-1F-R13-D92						
93	A4A-1F-R13-D93						
94	A4A-1F-R13-D94						
95	A4A-1F-R13-AV-D01				AV Nodes	Hall ceiling	31
96	A4A-1F-R13-AV-D02						
97	A4A-1F-R13-AV-D03						
98	A4A-1F-R13-AV-D04						
99	A4A-1F-R13-AV-D05						
100	A4A-1F-R13-AV-D06						
101	A4A-1F-R13-AV-D07						
102	A4A-1F-R13-AV-D08						
103	A4A-1F-R13-AV-D09						
104	A4A-1F-R13-AV-D10						
105	A4A-1F-R13-AV-D11						
106	A4A-1F-R13-AV-D12						
107	A4A-1F-R13-AV-D13	South side wall					
108	A4A-1F-R13-AV-D14						
109	A4A-1F-R13-AV-D15						
110	A4A-1F-R13-AV-D16						
111	A4A-1F-R13-AV-D17						
112	A4A-1F-R13-AV-D18						
113	A4A-1F-R13-AV-D19						
114	A4A-1F-R13-AV-D20						
115	A4A-1F-R13-AV-D21						
116	A4A-1F-R13-AV-D22						
117	A4A-1F-R13-AV-D23						
118	A4A-1F-R13-AV-D24						
119	A4A-1F-R13-AV-D25						
120	A4A-1F-R13-AV-D26						
121	A4A-1F-R13-AV-D27						
122	A4A-1F-R13-AV-D28						
123	A4A-1F-R13-AV-D29						
124	A4A-1F-R13-AV-D30						
125	A4A-1F-R13-AV-D31						
126	A4A-1F-R13-WAP-D01	AP Nodes	Hall ceiling	5			
127	A4A-1F-R13-WAP-D02						
128	A4A-1F-R13-WAP-D03						
129	A4A-1F-R13-WAP-D04						
130	A4A-1F-R13-WAP-D05						
131	A4A-1F-R13-CCD-D01	CCTV Nodes	South staircase	3			
132	A4A-1F-R13-CCD-D02		Hall ceiling				
133	A4A-1F-R13-CCD-D03		South Side Indian Lift	1			
134	A4A-1F-R13-LC 01						

135	A4A-1F-R13-ACC-D01	Access	Electrical room	1
Total Nodes				135

HALL A4b First Floor - North Side Area

Sr. No.	Rack No & Location	Point No	Node Type	Point Location	Total Nodes
1		A4B-1F-R14-D01		Prefunction Area	
2		A4B-1F-R14-D02			
3		A4B-1F-R14-D03			
4		A4B-1F-R14-D04			
5		A4B-1F-R14-D05			
6		A4B-1F-R14-D06			
7		A4B-1F-R14-D07			
8		A4B-1F-R14-D08			
9		A4B-1F-R14-D09			
10		A4B-1F-R14-D10			
11		A4B-1F-R14-D11			
12		A4B-1F-R14-D12			
13		Prefunction Area			
14		A4B-1F-R14-D14			
15		A4B-1F-R14-D15			
16		A4B-1F-R14-D16			
17		A4B-1F-R14-D17			
18		A4B-1F-R14-D18			
19		A4B-1F-R14-D19			
20		A4B-1F-R14-D20			
21		A4B-1F-R14-D21			
22		A4B-1F-R14-D22			
23		A4B-1F-R14-D23			
24		A4B-1F-R14-D24			
25		A4B-1F-R14-D25			
26		A4B-1F-R14-D26			
27		A4B-1F-R14-D27			
28		A4B-1F-R14-D28			
29		A4B-1F-R14-D29			
30		A4B-1F-R14-D30			
31		A4B-1F-R14-D31			
32		A4B-1F-R14-D32			
33		A4B-1F-R14-D33			
34		A4B-1F-R14-D34			
35		A4B-1F-R14-D35			
36		A4B-1F-R14-D36			
37		A4B-1F-R14-D37			
38		A4B-1F-R14-D38			
39		A4B-1F-R14-D39			
40		A4B-1F-R14-D40			
41		A4B-1F-R14-D41			
42		A4B-1F-R14-D42			
43		A4B-1F-R14-D43			
44		A4B-1F-R14-D44			
45		A4B-1F-R14-D45			
46		A4B-1F-R14-D46			
47		A4B-1F-R14-D47			
48		A4B-1F-R14-D48			
49		A4B-1F-R14-D49			
50		A4B-1F-R14-D50			
51		A4B-1F-R14-D51			
Data Nodes					98

52	EXR-14 - A4B 18 Mtr - North Side	A4B-1F-R14-D52	Voice Nodes	First Floor Utility box	
53		A4B-1F-R14-D53			
54		A4B-1F-R14-D54			
55		A4B-1F-R14-D55			
56		A4B-1F-R14-D56			
57		A4B-1F-R14-D57			
58		A4B-1F-R14-D58			
59		A4B-1F-R14-D59			
60		A4B-1F-R14-D60			
61		A4B-1F-R14-D61			
62		A4B-1F-R14-D62			
63		A4B-1F-R14-D63			
64		A4B-1F-R14-D64			
65		A4B-1F-R14-D65			
66		A4B-1F-R14-D66			
67		A4B-1F-R14-D67			
68		A4B-1F-R14-D68			
69		A4B-1F-R14-D69			
70		A4B-1F-R14-D70			
71		A4B-1F-R14-D71			
72		A4B-1F-R14-D72			
73		A4B-1F-R14-D73			
74		A4B-1F-R14-D74			
75		A4B-1F-R14-D75			
76		A4B-1F-R14-D76			
77		A4B-1F-R14-D77			
78		A4B-1F-R14-D78			
79		A4B-1F-R14-D79			
80		A4B-1F-R14-D80			
81		A4B-1F-R14-D81			
82		A4B-1F-R14-D82			
83		A4B-1F-R14-D83			
84		A4B-1F-R14-D84			
85		A4B-1F-R14-D85			
86		A4B-1F-R14-D86			
87		A4B-1F-R14-D87			
88		A4B-1F-R14-D88			
89		A4B-1F-R14-D89			
90		A4B-1F-R14-D90			
91		A4B-1F-R14-D91			
92		A4B-1F-R14-D92			
93		A4B-1F-R14-D93			
94		A4B-1F-R14-D94			
95		A4B-1F-R14-D95			
96		A4B-1F-R14-D96			
97		A4B-1F-R14-D97			
98		A4B-1F-R14-D98			
99		PA Room			
100		Extra			
101	A4B-1F-R14-V01				
102	A4B-1F-R14-V02				
103	A4B-1F-R14-V03				
104	A4B-1F-R14-V04				
105	A4B-1F-R14-V05				
106	A4B-1F-R14-V06				
107	A4B-1F-R14-V07				
108	A4B-1F-R14-V08				
109	A4B-1F-R14-V09				
				Prefunction Area	2
					10

110	A4B-1F-R14-V10			
111	A4B-1F-R14-AV-D01	AV Nodes	Prefunction Wall	10
112	A4B-1F-R14-AV-D02			
113	A4B-1F-R14-AV-D03			
114	A4B-1F-R14-AV-D04			
115	A4B-1F-R14-AV-D05			
116	A4B-1F-R14-AV-D06		Middle Pillar	
117	A4B-1F-R14-AV-D07			
118	A4B-1F-R14-AV-D08			
119	A4B-1F-R14-AV-D09			
120	A4B-1F-R14-AV-D10			
121	A4B-1F-R14-WAP-D01	AP Nodes	Prefunction ceiling	4
122	A4B-1F-R14-WAP-D02		Hall ceiling	
123	A4B-1F-R14-WAP-D03			
124	A4B-1F-R14-WAP-D04			
125	A4B-1F-R14-CCD-D01	CCTV Nodes	Prefunction ceiling	5
126	A4B-1F-R14-CCD-D02		Left Side Staircase	
127	A4B-1F-R14-CCD-D03		Hall ceiling	
128	A4B-1F-R14-CCD-D04		Hub room at 18 Mtrs	
129	A4B-1F-R14-CCD-D05		Hub room at 18 Mtrs	
130	A4B-1F-R14-ACC-D01	Access Nodes	Hub room at 18 Mtrs	1
Total Nodes				130

HALL A4b First Floor - South Side Area

Sr. No.	Rack No &Location	Cable ID	Node Type	Point Location	Total Points
1		A4B-1F-R15-D01			
2		A4B-1F-R15-D02			
3		A4B-1F-R15-D03			
4		A4B-1F-R15-D04			
5		A4B-1F-R15-D05			
6		A4B-1F-R15-D06			
7		A4B-1F-R15-D07			
8		A4B-1F-R15-D08			
9		A4B-1F-R15-D09			
10		A4B-1F-R15-D10			
11		A4B-1F-R15-D11			
12		A4B-1F-R15-D12			
13		A4B-1F-R15-D13			
14		A4B-1F-R15-D14			
15		A4B-1F-R15-D15			
16		A4B-1F-R15-D16			
17		A4B-1F-R15-D17			
18		A4B-1F-R15-D18			
19		A4B-1F-R15-D19			
20		A4B-1F-R15-D20			
21		A4B-1F-R15-D21			
22		A4B-1F-R15-D22			
23		A4B-1F-R15-D23			
24		A4B-1F-R15-D24			
25		A4B-1F-R15-D25			
26		A4B-1F-R15-D26			
27		A4B-1F-R15-D27			
28		A4B-1F-R15-D28			
29		A4B-1F-R15-D29			
30		A4B-1F-R15-D30			
31		A4B-1F-R15-D31			
32		A4B-1F-R15-D32			

33	EXR-15 - A4B 15 Mtr - South Side	A4B-1F-R15-D33	Data Nodes	First Floor Utility box	102
34		A4B-1F-R15-D34			
35		A4B-1F-R15-D35			
36		A4B-1F-R15-D36			
37		A4B-1F-R15-D37			
38		A4B-1F-R15-D38			
39		A4B-1F-R15-D39			
40		A4B-1F-R15-D40			
41		A4B-1F-R15-D41			
42		A4B-1F-R15-D42			
43		A4B-1F-R15-D43			
44		A4B-1F-R15-D44			
45		A4B-1F-R15-D45			
46		A4B-1F-R15-D46			
47		A4B-1F-R15-D47			
48		A4B-1F-R15-D48			
49		A4B-1F-R15-D49			
50		A4B-1F-R15-D50			
51		A4B-1F-R15-D51			
52		A4B-1F-R15-D52			
53		A4B-1F-R15-D53			
54		A4B-1F-R15-D54			
55		A4B-1F-R15-D55			
56		A4B-1F-R15-D56			
57		A4B-1F-R15-D57			
58		A4B-1F-R15-D58			
59		A4B-1F-R15-D59			
60		A4B-1F-R15-D60			
61		A4B-1F-R15-D61			
62		A4B-1F-R15-D62			
63		A4B-1F-R15-D63			
64		A4B-1F-R15-D64			
65		A4B-1F-R15-D65			
66		A4B-1F-R15-D66			
67		A4B-1F-R15-D67			
68		A4B-1F-R15-D68			
69		A4B-1F-R15-D69			
70		A4B-1F-R15-D70			
71		A4B-1F-R15-D71			
72		A4B-1F-R15-D72			
73		A4B-1F-R15-D73			
74		A4B-1F-R15-D74			
75		A4B-1F-R15-D75			
76		A4B-1F-R15-D76			
77		A4B-1F-R15-D77			
78		A4B-1F-R15-D78			
79		A4B-1F-R15-D79			
80		A4B-1F-R15-D80			
81		A4B-1F-R15-D81			
82		A4B-1F-R15-D82			
83		A4B-1F-R15-D83			
84		A4B-1F-R15-D84			
85		A4B-1F-R15-D85			
86		A4B-1F-R15-D86			
87		A4B-1F-R15-D87			
88		A4B-1F-R15-D88			
89		A4B-1F-R15-D89			
90		A4B-1F-R15-D90			

91	A4B-1F-R15-D91			
92	A4B-1F-R15-D92			
93	A4B-1F-R15-D93			
94	A4B-1F-R15-D94			
95	A4B-1F-R15-D95			
96	A4B-1F-R15-D96			
97	A4B-1F-R15-D97			
98	A4B-1F-R15-D98			
99	A4B-1F-R15-D99			
100	A4B-1F-R15-D100			
101	A4B-1F-R15-D101			
102	A4B-1F-R15-D102			
103	A4B-1F-R15-AV-D01	AV Nodes	Hall ceiling	31
104	A4B-1F-R15-AV-D02			
105	A4B-1F-R15-AV-D03			
106	A4B-1F-R15-AV-D04			
107	A4B-1F-R15-AV-D05			
108	A4B-1F-R15-AV-D06			
109	A4B-1F-R15-AV-D07			
110	A4B-1F-R15-AV-D08			
111	A4B-1F-R15-AV-D09			
112	A4B-1F-R15-AV-D10			
113	A4B-1F-R15-AV-D11		South side wall	
114	A4B-1F-R15-AV-D12			
115	A4B-1F-R15-AV-D13			
116	A4B-1F-R15-AV-D14			
117	A4B-1F-R15-AV-D15			
118	A4B-1F-R15-AV-D16			
119	A4B-1F-R15-AV-D17			
120	A4B-1F-R15-AV-D18			
121	A4B-1F-R15-AV-D19			
122	A4B-1F-R15-AV-D20			
123	A4B-1F-R15-AV-D21			
124	A4B-1F-R15-AV-D22			
125	A4B-1F-R15-AV-D23			
126	A4B-1F-R15-AV-D24			
127	A4B-1F-R15-AV-D25			
128	A4B-1F-R15-AV-D26			
129	A4B-1F-R15-AV-D27			
130	A4B-1F-R15-AV-D28			
131	A4B-1F-R15-AV-D29			
132	A4B-1F-R15-AV-D30			
133	A4B-1F-R15-AV-D31			
134	A4B-1F-R15-WAP-D01	AP Nodes	Hall ceiling	4
135	A4B-1F-R15-WAP-D02			
136	A4B-1F-R15-WAP-D03			
137	A4B-1F-R15-WAP-D04			
138	A4B-1F-R15-CCD-D01	CCTV Nodes	South side staircase	5
139	A4B-1F-R15-CCD-D02		South side Staircase	
140	A4B-1F-R15-CCD-D03		South Side cargo Lift	
141	A4B-1F-R15-CCD-D04			
142	A4B-1F-R15-LC-D01		South side Indian lift	
143	A4B-1F-R15-ACC-D01	Access Nodes	South side electrical room	1
Total Nodes				143

HALL A5 Ground Floor - North Side Area

Sr. No	Rack No & Location	Point Location	Nodes Type	Point No		Total Nodes		
1	EXR07 - 4.5 Mtr North Side	Prefunction Area	Data Nodes	A5GF-R07-D01	A5GF-R07-D02	22		
2				A5GF-R07-D03	A5GF-R07-D04			
3				A5GF-R07-D05	A5GF-R07-D06			
4				A5GF-R07-D07	A5GF-R07-D08			
5				A5GF-R07-D09	A5GF-R07-D10			
6				A5GF-R07-D11	A5GF-R07-D12			
7				A5GF-R07-D13	A5GF-R07-D14			
8				A5GF-R07-D15	A5GF-R07-D16			
9				A5GF-R07-D17	A5GF-R07-D18			
10				A5GF-R07-D19	A5GF-R07-D20			
11				A5GF-R07-PA -01	A5GF-R07-Extra			
12	EXR07 - 4.5 Mtr North Side	Prefunction Area	Voice Nodes	A5GF-R07-V01	A5GF-R07-V02	10		
13				A5GF-R07-V03	A5GF-R07-V04			
14				A5GF-R07-V05	A5GF-R07-V06			
15				A5GF-R07-V07	A5GF-R07-V08			
16				A5GF-R07-V09	A5GF-R07-V10			
17	EXR07 - 4.5 Mtr North Side	Circulation Area	CCTV Nodes	A5GF-R07-CCD01	A5GF-R07-CCD02	9		
18				A5GF-R07-CCD03				
19		Left Side Staircase		A5GF-R07-CCD04	A5GF-R07-CCD05			
20		Prefunction Area		A5GF-R07-CCD06	A5GF-R07-CCD07			
21		Hall Area Ceiling Points		A5GF-R07-CCD08				
22		Hubroom at 4.5 Mtrs		A5GF-R07-CCD09				
23	EXR07 - 4.5 Mtr North Side	Prefunctiun Area	AV Nodes	A5GF-R07-AVD01	A5GF-R07-AVD02	16		
24				A5GF-R07-AVD03	A5GF-R07-AVD04			
25	Hall Ceiling Points	A5GF-R07-AVD05		A5GF-R07-AVD06				
26	EXR07 - 4.5 Mtr North Side	Hall Area Pillar Points		A5GF-R07-AVD07	A5GF-R07-AVD08			
27				A5GF-R07-AVD09	A5GF-R07-AVD10			
28				A5GF-R07-AVD11	A5GF-R07-AVD12			
29	EXR07 - 4.5 Mtr North Side	Hall Area Left Side Pillar		A5GF-R07-AVD13	A5GF-R07-AVD14			
30				A5GF-R07-AVD15	A5GF-R07-AVD16			
31	EXR07 - 4.5 Mtr North Side	Prefunction Area		AP Nodes	A5GF-R07-APD01		A5GF-R07-APD02	6
32		Hall Area Ceiling Points			A5GF-R07-APD03		A5GF-R07-APD04	
33			A5GF-R07-APD05		A5GF-R07-APD06			
34	EXR07 - 4.5 Mtr North Side	A5 Ground Floor - Outside of Prefunction - Canopy Area	Kisok Machine Data Nodes	A5GF-R07-D01	A5GF-R07-D02	4		
35				A5GF-R07-D03	A5GF-R07-D04			
36	EXR07 - 4.5 Mtr North Side	A5 Ground Floor - Canopy Area	Canopy Area (AP & CCTV)	A5GF-R07-WAP D01		2		
37				A5GF-R07-CCTV D01				
38				A5GF-R07-D22	A5GF-R07-D23			
39				A5GF-R07-D24	A5GF-R07-D25			
40				A5GF-R07-D26	A5GF-R07-D27			
41				A5GF-R07-D28	A5GF-R07-D29			
42				A5GF-R07-D30	A5GF-R07-D31			
43				A5GF-R07-D32	A5GF-R07-D33			
44				A5GF-R07-D34	A5GF-R07-D35			
45				A5GF-R07-D36	A5GF-R07-D37			
46				A5GF-R07-D38	A5GF-R07-D39			
47				A5GF-R07-D40	A5GF-R07-D41			
48				A5GF-R07-D42	A5GF-R07-D43			
49				A5GF-R07-D44	A5GF-R07-D45			
50				A5GF-R07-D46	A5GF-R07-D47			
51				A5GF-R07-D48	A5GF-R07-D49			
52				A5GF-R07-D450	A5GF-R07-D51			
53				A5GF-R07-D52	A5GF-R07-D53			
54				A5GF-R07-D54	A5GF-R07-D55			
55				A5GF-R07-D56	A5GF-R07-D57			
56				A5GF-R07-D58	A5GF-R07-D59			

57	EXR07 - 4.5 Mtr North Side	Hall Area Utility Data Nodes	Data Nodes	A5GF-R07-D60	A5GF-R07-D61	124
58				A5GF-R07-D62	A5GF-R07-D63	
59				A5GF-R07-D64	A5GF-R07-D65	
60				A5GF-R07-D66	A5GF-R07-D67	
61				A5GF-R07-D68	A5GF-R07-D69	
62				A5GF-R07-D70	A5GF-R07-D71	
63				A5GF-R07-D72	A5GF-R07-D73	
64				A5GF-R07-D74	A5GF-R07-D75	
65				A5GF-R07-D76	A5GF-R07-D77	
66				A5GF-R07-D78	A5GF-R07-D79	
67				A5GF-R07-D80	A5GF-R07-D81	
68				A5GF-R07-D82	A5GF-R07-D83	
69				A5GF-R07-D84	A5GF-R07-D85	
70				A5GF-R07-D86	A5GF-R07-D87	
71				A5GF-R07-D88	A5GF-R07-D89	
72				A5GF-R07-D90	A5GF-R07-D91	
73				A5GF-R07-D92	A5GF-R07-D93	
74				A5GF-R07-D94	A5GF-R07-D95	
75				A5GF-R07-D96	A5GF-R07-D97	
76				A5GF-R07-D98	A5GF-R07-D99	
77				A5GF-R07-D100	A5GF-R07-D101	
78				A5GF-R07-D102	A5GF-R07-D103	
79				A5GF-R07-D104	A5GF-R07-D105	
80				A5GF-R07-D106	A5GF-R07-D107	
81				A5GF-R07-D108	A5GF-R07-D109	
82				A5GF-R07-D110	A5GF-R07-D111	
83				A5GF-R07-D112	A5GF-R07-D113	
84				A5GF-R07-D114	A5GF-R07-D115	
85				A5GF-R07-D116	A5GF-R07-D117	
86				A5GF-R07-D118	A5GF-R07-D119	
87				A5GF-R07-D120	A5GF-R07-D121	
88				A5GF-R07-D122	A5GF-R07-D123	
89				A5GF-R07-D124	A5GF-R07-D125	
90				A5GF-R07-D126	A5GF-R07-D127	
91				A5GF-R07-D128	A5GF-R07-D129	
92				A5GF-R07-D130	A5GF-R07-D131	
93				A5GF-R07-D132	A5GF-R07-D133	
94				A5GF-R07-D134	A5GF-R07-D135	
95				A5GF-R07-D136	A5GF-R07-D137	
96				A5GF-R07-D138	A5GF-R07-D139	
97				A5GF-R07-D140	A5GF-R07-D141	
98				A5GF-R07-D142	A5GF-R07-D143	
99				A5GF-R07-D144	A5GF-R07-D145	
				Total Nodes		

HALL A5 Ground Floor - East Side Area

Sr. No	Rack No -Location	Point Location	Nodes Type	Point No		Total Nodes
1	EXR08 - Ground Floor Middle	Stairecase - ExitGate	CCTV Nodes	A5GF-R08-CCD01	A5GF-R08-CCD02	3
2		Stairecase		A5GF-R08-CCD03		
3	EXR02 - Ground Floor Middle Hubroom Area	Hall Ceiling Points	AV Nodes	A5GF-R08-AVD01	A5GF-R08-AVD02	23
4				A5GF-R08-AVD03	A5GF-R08-AVD04	
5				A5GF-R08-AVD05	A5GF-R08-AVD06	
6				A5GF-R08-AVD07	A5GF-R08-AVD08	
7				A5GF-R08-AVD09	A5GF-R08-AVD10	
8				A5GF-R08-AVD11	A5GF-R08-AVD12	
9				A5GF-R08-AVD13	A5GF-R08-AVD14	
10				A5GF-R08-AVD15	A5GF-R08-AVD16	
11		Right Side Pillar Point		A5GF-R08-AVD17	A5GF-R08-AVD18	

12		Right Side Final Point		A5GF-R08-AVD19	A5GF-R08-AVD20	
13				A5GF-R08-AVD21	A5GF-R08-AVD22	
14				A5GF-R08-AVD23		
15	EXR08 - Ground	Hall Area Ceiling Points	AP Nodes	A5GF-R08-APD01	A5GF-R08-APD02	4
16	Floor Middle			A5GF-R08-APD03	A5GF-R08-APD04	
17				A5GF-R08-D01	A5GF-R08-D02	
18				A5GF-R08-D03	A5GF-R08-D04	
19				A5GF-R08-D05	A5GF-R08-D06	
20				A5GF-R08-D07	A5GF-R08-D08	
21				A5GF-R08-D09	A5GF-R08-D10	
22				A5GF-R08-D11	A5GF-R08-D12	
23				A5GF-R08-D13	A5GF-R08-D14	
24				A5GF-R08-D15	A5GF-R08-D16	
25				A5GF-R08-D17	A5GF-R08-D18	
26				A5GF-R08-D19	A5GF-R08-D20	
27				A5GF-R08-D21	A5GF-R08-D22	
28				A5GF-R08-D23	A5GF-R08-D24	
29				A5GF-R08-D25	A5GF-R08-D26	
30				A5GF-R08-D27	A5GF-R08-D28	
31				A5GF-R08-D29	A5GF-R08-D30	
32				A5GF-R08-D31	A5GF-R08-D32	
33				A5GF-R08-D33	A5GF-R08-D34	
34				A5GF-R08-D35	A5GF-R08-D36	
35				A5GF-R08-D37	A5GF-R08-D38	
36				A5GF-R08-D39	A5GF-R08-D40	
37				A5GF-R08-D41	A5GF-R08-D42	
38				A5GF-R08-D43	A5GF-R08-D44	
39				A5GF-R08-D45	A5GF-R08-D46	
40				A5GF-R08-D47	A5GF-R08-D48	
41				A5GF-R08-D49	A5GF-R08-D50	
42				A5GF-R08-D51	A5GF-R08-D52	
43				A5GF-R08-D53	A5GF-R08-D54	
44				A5GF-R08-D55	A5GF-R08-D56	
45				A5GF-R08-D57	A5GF-R08-D58	
46				A5GF-R08-D59	A5GF-R08-D60	
47	EXR08 - Ground	Hall Area Utility Data Nodes	Data Nodes	A5GF-R08-D61	A5GF-R08-D62	126
48	Floor Middle			A5GF-R08-D63	A5GF-R08-D64	
49	Hubroom Area			A5GF-R08-D65	A5GF-R08-D66	
50				A5GF-R08-D67	A5GF-R08-D68	
51				A5GF-R08-D69	A5GF-R08-D70	
52				A5GF-R08-D71	A5GF-R08-D72	
53				A5GF-R08-D73	A5GF-R08-D74	
54				A5GF-R08-D75	A5GF-R08-D76	
55				A5GF-R08-D77	A5GF-R08-D78	
56				A5GF-R08-D79	A5GF-R08-D80	
57				A5GF-R08-D81	A5GF-R08-D82	
58				A5GF-R08-D83	A5GF-R08-D84	
59				A5GF-R08-D85	A5GF-R08-D86	
60				A5GF-R08-D87	A5GF-R08-D88	
61				A5GF-R08-D89	A5GF-R08-D90	
62				A5GF-R08-D91	A5GF-R08-D92	
63				A5GF-R08-D93	A5GF-R08-D94	
64				A5GF-R08-D95	A5GF-R08-D96	
65				A5GF-R08-D97	A5GF-R08-D98	
66				A5GF-R08-D99	A5GF-R08-D100	
67				A5GF-R08-D101	A5GF-R08-D102	
68				A5GF-R08-D103	A5GF-R08-D104	
69				A5GF-R08-D105	A5GF-R08-D106	
70				A5GF-R08-D107	A5GF-R08-D108	
71				A5GF-R08-D109	A5GF-R08-D110	
72				A5GF-R08-D111	A5GF-R08-D112	
73				A5GF-R08-D113	A5GF-R08-D114	

74				A5GF-R08-D115	A5GF-R08-D116	
75				A5GF-R08-D117	A5GF-R08-D118	
76				A5GF-R08-D119	A5GF-R08-D120	
77				A5GF-R08-D121	A5GF-R08-D122	
78				A5GF-R08-D123	A5GF-R08-D124	
79				A5GF-R08-D125	A5GF-R08-D126	
	Total Nodes					156
HALL A5 Ground Floor - South Side Hubroom Area						
Sr. No	Rack No -Location	Point Location	Nodes Type	Point No		Total Nodes
1	EXR09 - Ground Floor South Side Hubroom Area	South Side Stairecase	CCTV Nodes	A5GF-R09-CCD01	A5GF-R09-CCD02	6
2		Electrical Room + Exit Gate		A5GF-R09-CCD03	A5GF-R09-CCD04	
3		South Side Stairecase		A5GF-R09-CCD05	A5GF-R09-CCD06	
4	EXR09 - Ground Floor South Side Hubroom Area	Hall Ceiling Points	AV Nodes	A5GF-R09-AVD01	A5GF-R09-AVD02	28
5				A5GF-R09-AVD03	A5GF-R09-AVD04	
6				A5GF-R09-AVD05	A5GF-R09-AVD06	
7				A5GF-R09-AVD07	A5GF-R09-AVD08	
8				A5GF-R09-AVD09	A5GF-R09-AVD10	
9		South Side Wall Plate Points		A5GF-R09-AVD11	A5GF-R09-AVD12	
10				A5GF-R09-AVD13	A5GF-R09-AVD14	
11				A5GF-R09-AVD15	A5GF-R09-AVD16	
12				A5GF-R09-AVD17	A5GF-R09-AVD18	
13				A5GF-R09-AVD19		
14				A5GF-R09-AVD20	A5GF-R09-AVD21	
15				A5GF-R09-AVD22	A5GF-R09-AVD23	
16				A5GF-R09-AVD24	A5GF-R09-AVD25	
17				A5GF-R09-AVD26	A5GF-R09-AVD27	
18				A5GF-R09-AVD28		
19	EXR09 - Ground Floor South Side Hubroom Area	Hall Area Ceiling Points	AP Nodes	A5GF-R09-APD01	A5GF-R09-APD02	4
20				A5GF-R09-APD03	A5GF-R09-APD04	
21				A5GF-R09-D01	A5GF-R09-D02	
22				A5GF-R09-D03	A5GF-R09-D04	
23				A5GF-R09-D05	A5GF-R09-D06	
24				A5GF-R09-D07	A5GF-R09-D08	
25				A5GF-R09-D09	A5GF-R09-D10	
26				A5GF-R09-D11	A5GF-R09-D12	
27				A5GF-R09-D13	A5GF-R09-D14	
28				A5GF-R09-D15	A5GF-R09-D16	
29				A5GF-R09-D17	A5GF-R09-D18	
30				A5GF-R09-D19	A5GF-R09-D20	
31				A5GF-R09-D21	A5GF-R09-D22	
32				A5GF-R09-D23	A5GF-R09-D24	
33				A5GF-R09-D25	A5GF-R09-D26	
34				A5GF-R09-D27	A5GF-R09-D28	
35				A5GF-R09-D29	A5GF-R09-D30	
36				A5GF-R09-D31	A5GF-R09-D32	
37				A5GF-R09-D33	A5GF-R09-D34	
38				A5GF-R09-D35	A5GF-R09-D36	
39				A5GF-R09-D37	A5GF-R09-D38	
40				A5GF-R09-D39	A5GF-R09-D40	
41				A5GF-R09-D41	A5GF-R09-D42	
42				A5GF-R09-D43	A5GF-R09-D44	
43				A5GF-R09-D45	A5GF-R09-D46	
44				A5GF-R09-D47	A5GF-R09-D48	
45				A5GF-R09-D49	A5GF-R09-D50	
46				A5GF-R09-D51	A5GF-R09-D52	
47				A5GF-R09-D53	A5GF-R09-D54	

48	EXR09 - Ground Floor South SideHubroom Area	Hall Area Utility Data Nodes	Data Nodes	A5GF-R09-D55	A5GF-R09-D56	132
49				A5GF-R09-D57	A5GF-R09-D58	
50				A5GF-R09-D59	A5GF-R09-D60	
51				A5GF-R09-D61	A5GF-R09-D62	
52				A5GF-R09-D63	A5GF-R09-D64	
53				A5GF-R09-D65	A5GF-R09-D66	
54				A5GF-R09-D67	A5GF-R09-D68	
55				A5GF-R09-D69	A5GF-R09-D70	
56				A5GF-R09-D71	A5GF-R09-D72	
57				A5GF-R09-D73	A5GF-R09-D74	
58				A5GF-R09-D75	A5GF-R09-D76	
59				A5GF-R09-D77	A5GF-R09-D78	
60				A5GF-R09-D79	A5GF-R09-D80	
61				A5GF-R09-D81	A5GF-R09-D82	
62				A5GF-R09-D83	A5GF-R09-D84	
63				A5GF-R09-D85	A5GF-R09-D86	
64				A5GF-R09-D87	A5GF-R09-D88	
65				A5GF-R09-D89	A5GF-R09-D90	
66				A5GF-R09-D91	A5GF-R09-D92	
67				A5GF-R09-D93	A5GF-R09-D94	
68				A5GF-R09-D95	A5GF-R09-D96	
69				A5GF-R09-D97	A5GF-R09-D98	
70				A5GF-R09-D99	A5GF-R09-D100	
71				A5GF-R09-D101	A5GF-R09-D102	
72				A5GF-R09-D103	A5GF-R09-D104	
73				A5GF-R09-D105	A5GF-R09-D106	
74				A5GF-R09-D107	A5GF-R09-D108	
75				A5GF-R09-D109	A5GF-R09-D110	
76				A5GF-R09-D111	A5GF-R09-D112	
77				A5GF-R09-D113	A5GF-R09-D114	
78				A5GF-R09-D115	A5GF-R09-D116	
79				A5GF-R09-D117	A5GF-R09-D118	
80				A5GF-R09-D119	A5GF-R09-D120	
81				A5GF-R09-D121	A5GF-R09-D122	
82				A5GF-R09-D123	A5GF-R09-D124	
83				A5GF-R09-D125	A5GF-R09-D126	
84				A5GF-R09-D127	A5GF-R09-D128	
85				A5GF-R09-D129	A5GF-R09-D130	
86				A5GF-R09-D131	A5GF-R09-D132	
	Total Nodes					170

HALL A5 Ground Floor North II - Mezzanine Floor Hubroom Area

Sr. No	Rack No -Location	Point Location	Nodes Type	Point No		Total Nodes	
1	EXR19 - Ground Floor North II Area	Right Side Staircase	CCTV Nodes	A5GF-R19-CCD01	A5GF-R19-CCD02	5	
2				A5GF-R19-CCD03			
3		Hall Area Staircase		A5GF-R19-CCD04			
4		Fire Control Room		A5GF-R19-CCD05			
5		Fire Control Room	Access Nodes	A5GF-R19-ACC D01		1	
6	EXR19 - Ground Floor North II Area	Hall Ceiling Points	AV Nodes	A5GF-R19-AVD01	A5GF-R19-AVD02	10	
7				A5GF-R19-AVD03	A5GF-R19-AVD04		
8		Right Side Pillar Wall Plate Points			A5GF-R19-AVD05		A5GF-R19-AVD06
9					A5GF-R19-AVD07		A5GF-R19-AVD08
10					A5GF-R19-AVD09		A5GF-R19-AVD10
11	EXR19 - Ground Floor North II Area	Hall Area Ceiling Points	AP Nodes	A5GF-R19-APD01		1	
12				A5GF-R19-D01	A5GF-R19-D02		
13				A5GF-R19-D03	A5GF-R19-D04		
14				A5GF-R19-D05	A5GF-R19-D06		
15				A5GF-R19-D07	A5GF-R19-D08		

16	EXR19 - Ground Floor North II Area	Hall Area Utility Data Nodes	Data Nodes	A5GF-R19-D09	A5GF-R19-D10	37
17				A5GF-R19-D11	A5GF-R19-D12	
18				A5GF-R19-D13	A5GF-R19-D14	
19				A5GF-R19-D15	A5GF-R19-D16	
20				A5GF-R19-D17	A5GF-R19-D18	
21				A5GF-R19-D19	A5GF-R19-D20	
22				A5GF-R19-D21	A5GF-R19-D22	
23				A5GF-R19-D23	A5GF-R19-D24	
24				A5GF-R19-D25	A5GF-R19-D26	
25				A5GF-R19-D27	A5GF-R19-D28	
26				A5GF-R19-D29	A5GF-R19-D30	
27				A5GF-R19-D31	A5GF-R19-D32	
28				A5GF-R19-D33	A5GF-R19-D34	
29				A5GF-R19-D35	A5GF-R19-D36	
30	Fire Control Room	A5GF-R19-D37				
	Total Nodes					54

	193
	156
HALL A5 GROUND FLOOR	170
	54
	184
HALL A5 FIRST FLOOR	156
	168
	53
AS PER THE SIDE POINTS	1134

HALL A5 First Floor - North Side Area

Sr. No	Rack No -Location	Point Location	Nodes Type	Point No		Total Nodes
1	EXR16 - 18 Mtr North Side	Prefunction Area	Data Nodes	A51F-R16-D01	A51F-R16-D02	22
2				A51F-R16-D03	A51F-R16-D04	
3				A51F-R16-D05	A51F-R16-D06	
4				A51F-R16-D07	A51F-R16-D08	
5				A51F-R16-D09	A51F-R16-D10	
6				A51F-R16-D11	A51F-R16-D12	
7				A51F-R16-D13	A51F-R16-D14	
8				A51F-R16-D15	A51F-R16-D16	
9				A51F-R16-D17	A51F-R16-D18	
10				A51F-R16-D19	A51F-R16-D20	
11				A51F-R16-PA -01	A51F-R16-Extra	
13	EXR16 - 18 Mtr North Side	Prefunction Area	Voice Nodes	A51F-R16-V01	A51F-R16-V02	10
14				A51F-R16-V03	A51F-R16-V04	
15				A51F-R16-V05	A51F-R16-V06	
16				A51F-R16-V07	A51F-R16-V08	
17				A51F-R16-V09	A51F-R16-V10	
18	EXR16 - 18 Mtr North Side	Prefunction Area	CCTV Nodes	A51F-R16-CCD01	A51F-R16-CCD02	8
19		Circulation Area		A51F-R16-CCD03	A51F-R16-CCD05	
20		Left Side Staircase		A51F-R16-CCD05		
21		Hall Area Ceiling Points		A51F-R16-CCD06		
22		Hubroom at 18 Mtrs		A51F-R16-CCD07		
23				A51F-R16-CCD08		
29	EXR16 - 18 Mtr North Side	Prefunctiuon Area	AV Nodes	A51F-R16-AVD01	A51F-R16-AVD02	16
30		Hall Ceiling Points		A51F-R16-AVD03	A51F-R16-AVD04	
31		A51F-R16-AVD05		A51F-R16-AVD06		
32	EXR16 - 18 Mtr North Side	Hall Area Pillar Points		A51F-R16-AVD07	A51F-R16-AVD08	
33				A51F-R16-AVD09	A51F-R16-AVD10	
34				A51F-R16-AVD11	A51F-R16-AVD12	
35	EXR16 - 18 Mtr North Side	Hall Area Left Side Pillar		A51F-R16-AVD13	A51F-R16-AVD14	
36				A51F-R16-AVD15	A51F-R16-AVD16	
37	EXR16 - 18 Mtr North Side	Prefunction Area	AP Nodes	A51F-R16-APD01	A51F-R16-APD02	6
38		Hall Area Ceiling Points		A51F-R16-APD03	A51F-R16-APD04	
39				A51F-R16-APD05	A51F-R16-APD06	
51				A51F-R16-D21	A51F-R16-D22	
52				A51F-R16-D23	A51F-R16-D24	
53				A51F-R16-D25	A51F-R16-D26	
54				A51F-R16-D27	A51F-R16-D28	
55				A51F-R16-D29	A51F-R16-D30	
56				A51F-R16-D31	A51F-R16-D32	
57				A51F-R16-D33	A51F-R16-D34	
58				A51F-R16-D35	A51F-R16-D36	
59				A51F-R16-D37	A51F-R16-D38	
60				A51F-R16-D39	A51F-R16-D40	
61				A51F-R16-D41	A51F-R16-D42	
62				A51F-R16-D43	A51F-R16-D44	
63				A51F-R16-D45	A51F-R16-D46	
64				A51F-R16-D47	A51F-R16-D48	

65	EXR16 - 18 Mtr North Side	Hall Area Utility Data Nodes	Data Nodes	A51F-R16-D49	A51F-R16-D50	122
66				A51F-R16-D51	A51F-R16-D52	
67				A51F-R16-D53	A51F-R16-D54	
68				A51F-R16-D55	A51F-R16-D56	
69				A51F-R16-D57	A51F-R16-D58	
70				A51F-R16-D59	A51F-R16-D60	
71				A51F-R16-D61	A51F-R16-D62	
72				A51F-R16-D63	A51F-R16-D64	
73				A51F-R16-D65	A51F-R16-D66	
74				A51F-R16-D67	A51F-R16-D68	
75				A51F-R16-D69	A51F-R16-D70	
76				A51F-R16-D71	A51F-R16-D72	
77				A51F-R16-D73	A51F-R16-D74	
78				A51F-R16-D75	A51F-R16-D76	
79				A51F-R16-D77	A51F-R16-D78	
80				A51F-R16-D79	A51F-R16-D80	
81				A51F-R16-D81	A51F-R16-D82	
82				A51F-R16-D83	A51F-R16-D84	
83				A51F-R16-D85	A51F-R16-D86	
84				A51F-R16-D87	A51F-R16-D88	
85				A51F-R16-D89	A51F-R16-D90	
86				A51F-R16-D91	A51F-R16-D92	
87				A51F-R16-D93	A51F-R16-D94	
88				A51F-R16-D95	A51F-R16-D96	
89				A51F-R16-D97	A51F-R16-D98	
90				A51F-R16-D99	A51F-R16-D100	
91				A51F-R16-D101	A51F-R16-D102	
92				A51F-R16-D103	A51F-R16-D104	
93				A51F-R16-D105	A51F-R16-D106	
				A51F-R16-D107	A51F-R16-D108	
				A51F-R16-D109	A51F-R16-D110	
				A51F-R16-D111	A51F-R16-D112	
				A51F-R16-D113	A51F-R16-D114	
	A51F-R16-D115	A51F-R16-D116				
	A51F-R16-D117	A51F-R16-D118				
	A51F-R16-D119	A51F-R16-D120				
	A51F-R16-D121	A51F-R16-D122				
	A51F-R16-D123	A51F-R16-D124				
	A51F-R16-D125	A51F-R16-D126				
	A51F-R16-D127	A51F-R16-D128				
	A51F-R16-D129	A51F-R16-D130				
	A51F-R16-D131	A51F-R16-D132				
	A51F-R16-D133	A51F-R16-D134				
	A51F-R16-D135	A51F-R16-D136				
	A51F-R16-D137	A51F-R16-D138				
	A51F-R16-D139	A51F-R16-D140				
	A51F-R16-D141	A51F-R16-D142				
	Total Nodes					184
HALL A5 First Floor - East Side Area						
Sr. No	Rack No -Location	Point Location	Nodes Type	Point No		Total Nodes
1	EXR17 - First Floor Middle Hubroom Area	Stairecase - ExitGate	CCTV Nodes	A51F-R17-CCD01	A51F-R17-CCD02	4
2		Hall Area Ceiling Points		A51F-R17-CCD03		

3		Indian Lift		A51F-R17-LC 01		
4	EXR02 - Ground Floor Middle Hubroom Area	Hall Ceiling Points	AV Nodes	A51F-R17-AVD01	A51F-R17-AVD02	23
5				A51F-R17-AVD03	A51F-R17-AVD04	
6				A51F-R17-AVD05	A51F-R17-AVD06	
7				A51F-R17-AVD07	A51F-R17-AVD08	
8				A51F-R17-AVD09	A51F-R17-AVD10	
9				A51F-R17-AVD11	A51F-R17-AVD12	
10		Right Side Pillar Point		A51F-R17-AVD13	A51F-R17-AVD14	
11				A51F-R17-AVD15	A51F-R17-AVD16	
12				A51F-R17-AVD17	A51F-R17-AVD18	
13				A51F-R17-AVD19	A51F-R17-AVD20	
14				A51F-R17-AVD21	A51F-R17-AVD22	
15				A51F-R17-AVD23		
16	EXR17 - First Floor Middle Hubroom Area	Hall Area Ceiling Points	AP Nodes	A51F-R17-APD01	A51F-R17-APD02	4
17				A51F-R17-APD03	A51F-R17-APD04	
18	EXR17 - First Floor Middle Hubroom Area	Hall Area Utility Data Nodes	Data Nodes	A51F-R17-D01	A51F-R17-D02	126
19				A51F-R17-D03	A51F-R17-D04	
20				A51F-R17-D05	A51F-R17-D06	
21				A51F-R17-D07	A51F-R17-D08	
22				A51F-R17-D09	A51F-R17-D10	
23				A51F-R17-D11	A51F-R17-D12	
24				A51F-R17-D13	A51F-R17-D14	
25				A51F-R17-D15	A51F-R17-D16	
26				A51F-R17-D17	A51F-R17-D18	
27				A51F-R17-D19	A51F-R17-D20	
28				A51F-R17-D21	A51F-R17-D22	
29				A51F-R17-D23	A51F-R17-D24	
30				A51F-R17-D25	A51F-R17-D26	
31				A51F-R17-D27	A51F-R17-D28	
32				A51F-R17-D29	A51F-R17-D30	
33				A51F-R17-D31	A51F-R17-D32	
34				A51F-R17-D33	A51F-R17-D34	
35				A51F-R17-D35	A51F-R17-D36	
36				A51F-R17-D37	A51F-R17-D38	
37				A51F-R17-D39	A51F-R17-D40	
38				A51F-R17-D41	A51F-R17-D42	
39				A51F-R17-D43	A51F-R17-D44	
40				A51F-R17-D45	A51F-R17-D46	
41				A51F-R17-D47	A51F-R17-D48	
42				A51F-R17-D49	A51F-R17-D50	
43				A51F-R17-D51	A51F-R17-D52	
44				A51F-R17-D53	A51F-R17-D54	
45				A51F-R17-D55	A51F-R17-D56	
46				A51F-R17-D57	A51F-R17-D58	
47				A51F-R17-D59	A51F-R17-D60	
48				A51F-R17-D61	A51F-R17-D62	
49				A51F-R17-D63	A51F-R17-D64	
50				A51F-R17-D65	A51F-R17-D66	
51				A51F-R17-D67	A51F-R17-D68	
52				A51F-R17-D69	A51F-R17-D70	
53				A51F-R17-D71	A51F-R17-D72	
54				A51F-R17-D73	A51F-R17-D74	
55				A51F-R17-D75	A51F-R17-D76	
56				A51F-R17-D77	A51F-R17-D78	
57				A51F-R17-D79	A51F-R17-D80	
58				A51F-R17-D81	A51F-R17-D82	
59				A51F-R17-D83	A51F-R17-D84	

60			A51F-R17-D85	A51F-R17-D86
61			A51F-R17-D87	A51F-R17-D88
62			A51F-R17-D89	A51F-R17-D90
63			A51F-R17-D91	A51F-R17-D92
64			A51F-R17-D93	A51F-R17-D94
65			A51F-R17-D95	A51F-R17-D96
66			A51F-R17-D97	A51F-R17-D98
67			A51F-R17-D99	A51F-R17-D100
68			A51F-R17-D101	A51F-R17-D102
69			A51F-R17-D103	A51F-R17-D104
70			A51F-R17-D105	A51F-R17-D106
71			A51F-R17-D107	A51F-R17-D108
72			A51F-R17-D109	A51F-R17-D110
73			A51F-R17-D111	A51F-R17-D112
74			A51F-R17-D113	A51F-R17-D114
75			A51F-R17-D115	A51F-R17-D116
76			A51F-R17-D117	A51F-R17-D118
77			A51F-R17-D119	A51F-R17-D120
78			A51F-R17-D121	A51F-R17-D122
79			A51F-R17-D123	A51F-R17-D124
80			A51F-R17-D125	A51F-R17-D126
Total Nodes				156

HALL A5 First Floor - South Side Area

Sr. No	Rack No -Location	Point Location	Nodes Type	Point No		Total Nodes
1	EXR18 - First Floor South Side Hubroom Area	South Side Stairecase	CCTV Nodes	A51F-R18-CCD01		3
2		Electrical Room		A51F-R18-CCD02		
3		South Side Stairecase		A51F-R18-CCD03		
	EXR18 - First Floor South Side Hubroom Area	Electrical Room	Access Nodes	A51F-R18-ACC-D01		1
4	EXR18 - First Floor South Side Hubroom Area	Hall Ceiling Points	AV Nodes	A51F-R18-AVD01	A51F-R18-AVD02	28
5				A51F-R18-AVD03	A51F-R18-AVD04	
6				A51F-R18-AVD05	A51F-R18-AVD06	
7				A51F-R18-AVD07	A51F-R18-AVD08	
8				A51F-R18-AVD09	A51F-R18-AVD10	
9		South Side Wall Plate Points		A51F-R18-AVD11	A51F-R18-AVD12	
10				A51F-R18-AVD13	A51F-R18-AVD14	
11				A51F-R18-AVD15	A51F-R18-AVD16	
12				A51F-R18-AVD17	A51F-R18-AVD18	
13				A51F-R18-AVD19		
14				A51F-R18-AVD20	A51F-R18-AVD21	
15				A51F-R18-AVD22	A51F-R18-AVD23	
16				A51F-R18-AVD24	A51F-R18-AVD25	
17				A51F-R18-AVD26	A51F-R18-AVD27	
18				A51F-R18-AVD28		
19	EXR18 - First Floor South Side Hubroom Area	Hall Area Ceiling Points	AP Nodes	A51F-R18-APD01	A51F-R18-APD02	4
20				A51F-R18-APD03	A51F-R18-APD04	
21				A51F-R18-D01	A51F-R18-D02	
22				A51F-R18-D03	A51F-R18-D04	
23				A51F-R18-D05	A51F-R18-D06	
24				A51F-R18-D07	A51F-R18-D08	
25				A51F-R18-D09	A51F-R18-D10	

26	EXR18 - First Floor South SideHubroom Area	Hall Area Utility Data Nodes	Data Nodes	A51F-R18-D11	A51F-R18-D12	132
27				A51F-R18-D13	A51F-R18-D14	
28				A51F-R18-D15	A51F-R18-D16	
29				A51F-R18-D17	A51F-R18-D18	
30				A51F-R18-D19	A51F-R18-D20	
31				A51F-R18-D21	A51F-R18-D22	
32				A51F-R18-D23	A51F-R18-D24	
33				A51F-R18-D25	A51F-R18-D26	
34				A51F-R18-D27	A51F-R18-D28	
35				A51F-R18-D29	A51F-R18-D30	
36				A51F-R18-D31	A51F-R18-D32	
37				A51F-R18-D33	A51F-R18-D34	
38				A51F-R18-D35	A51F-R18-D36	
39				A51F-R18-D37	A51F-R18-D38	
40				A51F-R18-D39	A51F-R18-D40	
41				A51F-R18-D41	A51F-R18-D42	
42				A51F-R18-D43	A51F-R18-D44	
43				A51F-R18-D45	A51F-R18-D46	
44				A51F-R18-D47	A51F-R18-D48	
45				A51F-R18-D49	A51F-R18-D50	
46				A51F-R18-D51	A51F-R18-D52	
47				A51F-R18-D53	A51F-R18-D54	
48				A51F-R18-D55	A51F-R18-D56	
49				A51F-R18-D57	A51F-R18-D58	
50				A51F-R18-D59	A51F-R18-D60	
51				A51F-R18-D61	A51F-R18-D62	
52				A51F-R18-D63	A51F-R18-D64	
53				A51F-R18-D65	A51F-R18-D66	
54				A51F-R18-D67	A51F-R18-D68	
55				A51F-R18-D69	A51F-R18-D70	
56				A51F-R18-D71	A51F-R18-D72	
57				A51F-R18-D73	A51F-R18-D74	
58				A51F-R18-D75	A51F-R18-D76	
59				A51F-R18-D77	A51F-R18-D78	
60				A51F-R18-D79	A51F-R18-D80	
61				A51F-R18-D81	A51F-R18-D82	
62				A51F-R18-D83	A51F-R18-D84	
63				A51F-R18-D85	A51F-R18-D86	
64				A51F-R18-D87	A51F-R18-D88	
65				A51F-R18-D89	A51F-R18-D90	
66				A51F-R18-D91	A51F-R18-D92	
67				A51F-R18-D93	A51F-R18-D94	
68				A51F-R18-D95	A51F-R18-D96	
69				A51F-R18-D97	A51F-R18-D98	
70				A51F-R18-D99	A51F-R18-D100	
71				A51F-R18-D101	A51F-R18-D102	
72				A51F-R18-D103	A51F-R18-D104	
73				A51F-R18-D105	A51F-R18-D106	
74				A51F-R18-D107	A51F-R18-D108	
75				A51F-R18-D109	A51F-R18-D110	
76				A51F-R18-D111	A51F-R18-D112	
77				A51F-R18-D113	A51F-R18-D114	
78				A51F-R18-D115	A51F-R18-D116	
79				A51F-R18-D117	A51F-R18-D118	
80				A51F-R18-D119	A51F-R18-D120	
81				A51F-R18-D121	A51F-R18-D122	
82				A51F-R18-D123	A51F-R18-D124	
83				A51F-R18-D125	A51F-R18-D126	

84				A51F-R18-D127	A51F-R18-D128	
85				A51F-R18-D129	A51F-R18-D130	
86				A51F-R18-D131	A51F-R18-D132	
	Total Nodes					168
Hall A5 Ground Floor North II - Mezzanine Floor Hubroom Area						
Sr. No	Rack No -Location	Point Location	Nodes Type	Point No		Total Nodes
1	EXR19 - Mezzanine Floor North II Area	Lift Machine Room	CCTV Nodes	A51F-R19-CCD01		4
2		North Side Staircase		A51F-R19-CCD02		
3		Hall Area Staircase		A51F-R19-CCD03		
4		Hubroom at First Floor		A51F-R19-CCD04		
5		Lift Machine Room	Access Nodes	A51F-R19-ACC-D01		2
		Electrical Room		A51F-R19-ACC-D02		
6	EXR19 - Mezzanine Floor North II Area	Hall Ceiling Points	AV Nodes	A51F-R19-AVD01	A51F-R19-AVD02	10
7				A51F-R19-AVD03	A51F-R19-AVD04	
8		Right Side Pillar Wall Plate Points		A51F-R19-AVD05	A51F-R19-AVD06	
9				A51F-R19-AVD07	A51F-R19-AVD08	
10				A51F-R19-AVD09	A51F-R19-AVD10	
11	EXR19 - Mezzanine Floor North II Area	Hall Area Ceiling Points	AP Nodes	A51F-R19-APD01		1
12	EXR19 - Mezzanine Floor North II Area	Hall Area Utility Data Nodes	Data Nodes	A51F-R19-D01	A51F-R19-D02	36
13				A51F-R19-D03	A51F-R19-D04	
14				A51F-R19-D05	A51F-R19-D06	
15				A51F-R19-D07	A51F-R19-D08	
16				A51F-R19-D09	A51F-R19-D10	
17				A51F-R19-D11	A51F-R19-D12	
18				A51F-R19-D13	A51F-R19-D14	
19				A51F-R19-D15	A51F-R19-D16	
20				A51F-R19-D17	A51F-R19-D18	
21				A51F-R19-D19	A51F-R19-D20	
22				A51F-R19-D21	A51F-R19-D22	
23				A51F-R19-D23	A51F-R19-D24	
24				A51F-R19-D25	A51F-R19-D26	
25				A51F-R19-D27	A51F-R19-D28	
26				A51F-R19-D29	A51F-R19-D30	
27				A51F-R19-D31	A51F-R19-D32	
28				A51F-R19-D33	A51F-R19-D34	
29				A51F-R19-D35	A51F-R19-D36	
	Total Nodes					53