Expression of Interest (EOI)

Provision of Wi-Fi Hotspots in Major Cities of Punjab

Punjab Information Technology Board (PITB), Government of the Punjab, invites proposals for Expression of Interest from valid registered, reputable and well-experienced firms / companies etc. for Provision of Wi-Fi Hotspots in Major Cities of Punjab.

2. The objective of this Expression of Interest is to invite proposals for Provision of Wi-Fi Hotspots in Major Cities of Punjab. Complete scope of services and requirements are given in the EOI Document. The EOI Document carrying all details is available at www.pitb.gov.pk and www.ppra.punjab.gov.pk.

3. A single package containing EOI Proposals, duly completed, signed, stamped, sealed and in complete conformity with EOI Document should be dropped, in the Tender Box No.1 placed at Reception of the PITB office, 13th Floor, Arfa Software Technology Park, 346-B, Ferozepur Road Lahore, no later than **1200** Hours on last date of submission of EOI i.e. **04th February, 2020** and the proposals shall be opened at **1230** hours on the same date, as per PPRA Rules, 2014.

4. Income/Sales tax registration certificate and other documents as mentioned in EOI Document must accompany the proposals.

PITB management may reject all proposals at any time prior to the acceptance of a proposal, as provided under Rule-35 of Punjab Procurement Rules, 2014.

Director (Development & Procurement)
Punjab Information Technology Board
13th Floor, Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore.
Ph: (042) 35880062, Fax (042) 99232123
Web: www.pitb.gov.pk

(IPL-603-C)

121012020-1

EXPRESSION OF INTEREST DOCUMENT

FOR

Provision of Wi-Fi Hotspots in Major Cities of Punjab

Punjab Information Technology Board (PITB)
11th Floor, Arfa Software Technology Park (ASTP),
346-B, Ferozepur Road, Lahore, Pakistan
Phone: (+ 92) (42) (35880062), Fax: (+92) (42) (99232123) URL: www.pitb.gov.pk

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Abbreviations

Term	Definition
PITB	Punjab Information Technology Board
EOI	Expression of Interest
JV	Join Ventures

1. GENERAL

PITB, Government of the Punjab intends to invite EOI proposals from the interested applicant(s) for the provision of Wi-Fi hotspot services in major cities of Punjab province. All reputable, registered and established Companies/ Firms, Telco Operators, Internet Service Providers, etc. are invited to apply for the participation in EOI Process and submit proposals.

2. *PURPOSE OF THIS DOCUMENT*

The purpose of this document is to have an understanding of the available solution regarding Wi-Fi hotspot services in the national/ international market. The applicants are required to provide profiles of their firms comprising experience, personnel, and financial strength along with proposed technical solutions including but not limited to the firm's concept for providing Wi-Fi hotspot services, managing day to day operations and revenue generation for the fulfilling of its Cap-ex and Op-ex. Detailed list of required documents is attached at Annex-B.

2. TERMS AND CONDITIONS OF THE PRE-QUALIFICATION

Definitions

In this document, unless there is anything repugnant in the subject or context:

I. Applicant means the party which, acting singly or on behalf of a Joint Venture, submits a proposal in response to this EOI Document.

II. "Authorized Representative" means any representative appointed, from time to time, by the Applicant or Client.

III. "Client" means the Punjab Information Technology Board (PITB), or any other entity for the time being or from time to time duly appointed in writing by the Government to act as Client for the purpose.

IV. "Day" means calendar day.

V. “EOI Document” means the Expression of Interest-Pre-qualification Document in consideration.

VI. Joint Venture: A legal entity formed under the laws of Pakistan to submit a proposal and participate in subsequent tendering processes in response to this EOI Document. The Joint Venture shall comprise more than one but not more than four companies: at least one of the constituent firms must be registered and operating in Pakistan and shall be referred to hereinafter as the Lead Partner of the Joint Venture.

VII. "Person" includes an individual, an association of persons, firm, company, corporation, institution and organization, etc.

VIII. "Prescribed" means prescribed in the EOI Document

Disclaimer

This EOI Document for the Provision of Wi-Fi Hotspot services, Punjab Information Technology Board, Government of the Punjab" ('the Project') contains brief information about the Project. The purpose of the Document is to provide the applicants with information to assist the formulation of their EOI proposal of Interested Parties/ Contractors.

While all efforts have been made to ensure the accuracy of the information contained in this EOI Document, this document may not contain all the information required by the Applicants. The Applicants should conduct their own independent assessment, investigations, and analysis and may prepare their proposals in the light of relevant experience and international best practices. Punjab Information Technology Board (PITB) or any of its employees or advisors/ consultants, shall incur no liability under any law, statute, rules or regulations as to the accuracy or completeness of the EOI Document.

PITB reserves the right to change any or all conditions/ information set in this EOI Document by way of revision, deletion, updation or annulment through the issuance of appropriate advertisement as the Client may deem fit in accordance with the PPRA Rules, 2014. Participation in the EOI process does not qualify an applicant for the next stage of the procurement process.

PITB and any other Government Department will not entertain or be liable for any claim for costs and expenses in relation to the preparation of the EOI proposal to be submitted in terms of this Document.

3. Project Background

Punjab Wi-Fi Hotspot was the project of Punjab Government and the execution body was Punjab Information Technology Board. In 2016, keeping in view the importance of the Internet the Government had decided to offer free Wi-Fi services under the above-mentioned scheme to facilitate the Residents, visitors, students, and businesses. Free Wi-Fi services were provisioned in 2017 on around 200 public locations including educational institutions, government offices, public parks, markets, hospitals, railway stations, bus stations, etc., in six cities Rawalpindi, Lahore, Multan, Faisalabad, Bahawalpur, and Murree. Gestation for the scheme is till Jun, 2020.

Punjab Information Technology Board is in view to continue facilitating the end-users/ citizens to use free Wi-Fi hotspots facility for better governance, and to improve the operational efficiency and to easily interact with the citizens.

Through this EOI, PITB is exploring the viability to provide Wi-Fi Service at selected locations (List attached at Annex-C). The list of locations may increase or decrease or change during deployment stage. PITB is interested to explore innovative ways to provide Free Wi-Fi Services to citizens at no cost to PITB / Government of the Punjab.

Objective:

Punjab Information Technology Board is seeking 'Expression of Interest' (EOI) for setting up of secured Free Wi-Fi hotspots in major cirties of Punjab at various important locations such as Hospitals, Educational Institutes, Airport, Railway Stations, etc. from leading Vendors/ Service Providers/ Telco Operators/ ISPs etc. Interested eligible firms are requested to submit their detailed proposal in a sealed envelope.

The potential benefit from this includes easier access to Internet Services thereby increasing the ease of communications in the following ways:-

- Use of mobile Governance.
- Disseminate of information related to Government matters.
- Increase in productivity
- satisfaction level of citizens & tourists.
- Scalability and VOIP facility.

Such connectivity would facilitate a faster and safe transaction, knowledge and information dissemination, hassle-free interaction amongst stakeholders/ duty holders. The establishment of secured Wi-Fi hotspots would enhance broadband availability and connectivity. The revenue generation model for managing day to day operations and for the fulfilling of its Cap-ex and Op-ex againist providing Wi-Fi hotspot services, may be either through Advertisement rights or any other legal way; PITB is open to explore other revenue-generating options. The interested firms/companies are requested to visit the above mentioned proposed sites. A pre-EOI meeting has been scheduled at PITB office, on date as mentioned in Schedule of bidding process, for discussions on the project including the proposed implementation model, options for revenue generation, etc.

4. Brief Scope of Work

The Scope of Work for the vendor includes design, implementation, and operation, for the provision of 24X7 internet access (on designated Wi-Fi hotspot locations) by means of best available global standard technology for high-speed wireless internet access to stakeholders/ citizens using Wi-Fi enabled devices namely Laptops, Smart Phones, Tablets, etc. The vendor/firm shall provide the detail information on service level standards for EOI, with respect to the following:-

- Implementation, Integration, and Commissioning.
- Maintenance and Technical Support for 5 years.
- Creation of Wi-Fi Hotspots in major cities of Punjab province to provide internet service within approx. 100 meters radius of installation location.
- Replacement and repair.
- Technical training.
- Documentation.
- Supply, configuration, and installation of the State of the art Wi-Fi hotspot service including internet bandwidth.
- Provide the web-based portal for users to login/authentication for Wi-Fi Access.
- Provisioning the access control and audit trail mechanism as per industry standard and security norms defined by various regulatory bodies,
- Provide the web-based management console to monitor and manage the Wi-Fi access.
- Facility to define rule-based access depending on usage, time duration, etc.
- Facility to restrict access based on URL, application, category, signature, etc.
- Provision of customizable reports for Wi-Fi Access Logs.
- Facility to enable/disable specific user/system from Wi-Fi Access.
- To set privilege based wireless access to a different group of users according to the requirement of PITB.
- Centralized authentication mechanism through individual username-password based Radius Server/ Active Directory/ LDAP Integration, centralized MAC address filtering or certificate/ shared key-based authentication for all respective users from a central location.

Note:

- The vendor/firm will NOT use any restrictive technology that prevents other vendors to setup similar services in the area.
- PITB will not provide a subsidy of any kind to the vendor/firm for meeting the cost of setting up Wi-Fi hotspots.
- The exact scope will be finalized during the RFP Stage.
- PITB is interested to explore innovative ways to provide Free Wi-Fi Services to citizens at no cost to PITB / Government of the Punjab.

Note:

The applicants are required to submit their expression of interest (EOI) and propose their own solution based on the information provided through this document and their experience and international best practices. The applicant may propose additional features to the solution based on the understanding and best practices. The applicant needs to specify the implementation and operational methodology and workplan for the solution in all respects.

5. Instructions to Applicants

5.1 Submission of Proposal

Applications for EOI containing separate EOI Proposals, one original and one (01) copy should be submitted in separately sealed envelopes to be delivered into the Tender Box No.1, placed at reception of Punjab Information Technology Board, no later than 1200 hours on last date of submission of proposals i.e. **04th February, 2020,** late proposals shall not be considered. Proposals shall be publicly opened in the Committee Room of Punjab Information Technology Board, 13th Floor, Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore on 1230 hours on **04th February, 2020.**

PITB will host a Pre-prospoal meeting at PITB premises (13th Floor, Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore) at 03:00 pm on 27th January, 2020.

All the interested firms/companies are required to collect a Challan Form from the Procurement Assistant, PITB at the above-given address; to submit an amount of Rs. 1,000/- in PITB's account. The deposit slip should accompany the respective proposal.

The proposals are to be prepared in the English language. The applicants must provide complete information along with supporting documents. Any lapses to provide essential information may result in the disqualification of the applicant.

All documents submitted by the firms should preferably be delivered in one Packet/parcel for ease of handling and to avoid loss of documents. Any misleading statement(s) or information by any applicant will result in disqualification at any stage.

5.2 Contact Details

The Applicants can seek any clarification regarding the project or EOI documents or evaluation criteria from the following:

Primary Contact

Farhan Ahmad
Senior Programme Manager
Punjab Information Technology Board, Government of Punjab
11th Floor Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore.
Email: farhan@pitb.gov.pk
Office Phone: 042-35880062

Secondary Contact

Sajjad Ghani
Additional Director General (IT-Infrastructure)
Punjab Information Technology Board, Government of Punjab
11th Floor Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore.
Email: sajjad@pitb.gov.pk
Office Phone: 042-35880062

M. Jahanzaib Khan
Assistant Director (Procurement), PITB
Punjab Information Technology Board, Government of Punjab
13th Floor Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore.
Email: jahanzaib.khan@pitb.gov.pk
Office Phone: 042-35880062

Interested Parties should note that during the period from the receipt of the proposal and till further notice from the Primary Contact, all queries should be communicated via the Primary Contact in writing or e-mail only. In the case of an urgent situation where the Primary Contact cannot be contacted, the Interested Parties may alternatively direct their inquiries through the Secondary Contact.

Interested Parties/ are also required to state in their proposals the name, title, fax number and e-mail address of their authorized representative through whom all communications shall be directed until the process has been completed or terminated.

The Client will not be responsible for any costs or expenses incurred by Interested Parties in connection with the preparation or delivery of proposals.

5.3 Joint Venture (JV)

i. Local Firms are encouraged to form Joint Ventures with the appropriate local/foreign/international firms for submission of proposals. In case of a proposal from a Joint Venture, a legally valid and registered Agreement Deed to that effect, signed by all the partners to the Joint Venture shall be submitted with the proposal.

ii. One partner of the participating Joint Venture shall be designated the Lead Partner. If awarded the contract, the Lead Partner would enter into legal agreement with the Client on behalf of the Joint Venture and would receive instructions and incur liabilities.

iii. All partners shall be jointly and severally liable for the execution of the Contract in accordance with the agreed terms and conditions. In case of award of Contract, the Contract Agreement shall be signed by the Lead Partner. All the partners shall be jointly and severally liable for the execution of the project in accordance government rules and regulations.

5.4 Basic Requirements:

1. Requirements to be Fulfilled by the Applicant / Lead Partner (in JV)

i. Certificate of Company/ Firm Registration/ Incorporation under the laws of Pakistan for the last 3 years.

ii. Valid Income Tax Registration (Registered for at least last three (03) years)

iii. Valid Sales Tax Registration (Status should be active with relevant authority)

iv. Submission of undertaking that the firm is not blacklisted by any provincial or federal government department, agency, organization or autonomous body anywhere in Pakistan.

v. The applicant / lead partner (in JV) must have experience / understanding in providing and managing internet services or similar services.

2. Requirements to be fulfilled by Other JV Partners (If any)

i. Certificate of Company/ Firm Registration/ Incorporation under the laws of Pakistan.

ii. Valid Tax(es) Registration as applicable and relevant

iii. Submission of undertaking that the firm is not blacklisted by any provincial or federal government department, agency, organization or autonomous body anywhere in Pakistan / World (if applicable)

6. Other Factors

6.1 If a firm submits more than one EOI proposals, all proposals involving such firm shall be rejected and stands disqualified.

6.2 The Client may reject all proposals at any time prior to the acceptance of a proposal. The Client shall upon request, communicate to any Applicant, the grounds for its rejection of all proposals, but shall not be required to justify those grounds. The Client shall incur no liability,

solely, by virtue of its invoking sub-rule (1) of Rule-35 of Punjab Procurement Rules, 2014 towards the Applicants. However, Applicants shall be promptly informed about the rejection of the proposals, if any (As per Rule 35 of Punjab Procurement Rules, 2014).

6.3 The Applicant shall bear all costs/ expenses associated with the preparation and submission of the Proposal(s) and the Client shall in no case be responsible/ liable for those costs/ expenses.

Annex-A

Letter of Application

[Letterhead paper of the Applicant including full postal address, telephone no., fax no., telex no. and e-mail address]

Date: .....

To: ...……...

.....
[Name and address of the Client]

Sir,

1. Being duly authorized to represent and act on behalf of.....
(hereinafter "the Applicant"), and having reviewed and fully understood all the EOI information provided, the undersigned hereby applies with the proposal for the Provisioning of Wi-Fi Hotspot services in major cities of Punjab Province:

2. Attached to this letter are copies of original documents defining:

   (a) The Applicant's legal status;
   (b) The principal place of business;
   (c) The place of incorporation (for applicants who are corporations); or
   The place of registration and the nationality of the owners (for applicants who are partnerships or individually-owned firms);

3. The Client and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the documents, and information submitted in connection with this proposal, and to seek clarification regarding any technical aspects (if required). This Letter of Application will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and requested by the Client or its authorized representative to verify information provided in this proposal, or with regard to the resources, experience, and competence of the Applicant (if required)

4. The Client and its authorized representatives may contact the following persons for further information if needed.

General and Managerial Inquiries

Contact 1	Telephone 1
Contact 2	Telephone 2
Personnel Inquiries	
Contact 1	Telephone 1
Contact 2	Telephone 2
Technical Inquiries	
Contact 1	Telephone 1
Contact 2	Telephone 2
Financial Inquiries	
Contact 1	Telephone 1
Contact 2	Telephone 2

Applicants who are not joint ventures should delete para 6 and initial the deletions.

5. We confirm that in the event that we bid, that bid as well as any resulting contract will be:

(a) entered into and signed by the same JV which is submitting this proposal.
(b) signed so as to legally bind all partners, jointly and severally to execute contract; and
(c) submitted with a Joint Venture agreement to bind all the partners to take liabilities in the event the contract is awarded to us.

6. The undersigned declare that the information provided in the proposal is complete, true, and correct in every detail.

_____

Signature of the Applicant

Application Form A-1

General Information

All individual firms and each partner of a Joint Venture submitting proposal are requested to complete the information in this form. Nationality information is also to be provided for foreign owners or applicants who are forming part of the Joint Ventures.

1	Name of Firm	
2	Head Office Address	
3	Telephone	Contact Person:
		Name:
		Title:
4	Fax	Telex
5	Place of incorporation/Registration	Year of incorporation/registration

Joint Venture Summary (in case of JVs)

Names of all Partners of a Joint Venture
1. Lead Partner
2. Partner
3. Partner
4. Partner

Annex-B

List of Documents to be submitted

The following list is provided as the guideline for submitting various important documents along with the proposal.

- Cover Letter
- Power of Attorney executed by the bidder authorizing the signing authority to sign/execute the proposal as a binding document and also execute all relevant agreements forming part of EOI
- Interested firm's / JVs Particulars as per format is given in EOI
- Certificate of Registration/Certificate of Incorporation
- Copy of Work Order, Work Completion Certificate &/or Self Declaration
- Sale Tax Registration
- Declaration regarding blacklisting

The Bidder need to give a detailed technical presentation to PITB covering the following;

- **Conceptualization for the Project**
- **Technical Proposal**
- **Presentation.**
- **Development & Implementation strategy Approach, Methodology and Work Plan for Revenue Generation and Business Model.**
- **Financial Planning, Potential Risks & Mitigation Strategy**
- **Social Impact**
- **Support required from PITB/ Government/ Location Owner Roles & Responsibilities of each Partner, if any.**

Annex-C

List of Locations

Lahore

SR. NO.	LOCATION CATEGORY	LOCATION/ PLACE	LATITUDE (LAT)	LONGITUDE (LONG)
1	BUS STANDS	BADAMI BAGH BUS STAND	31.59449251900	74.31634766200
2	BUS STANDS	BUS STAND CHOWK YATEEM KHANA	31.53187670000	74.28710450000
3	BUS STANDS	DAEWOO BUS TERMINAL	31.50634760000	74.33143640000
4	BUS STANDS	THOKAR NIAZ BAIG BUS STAND	31.47093458200	74.24195678300
5	COLLEGES	ALLAMA IQBAL MEDICAL COLLEGE	31.48676409300	74.29797035600
6	COLLEGES	FATIMA JINNAH MEDICAL COLLEGE	31.55496959900	74.31970420000
7	COLLEGES	GOVERNMENT COLLEGE OF HOME ECONOMICS	31.52609633000	74.35176599300
8	COLLEGES	GOVERNMENT COLLEGE OF SCIENCE	31.50860536500	74.29571052300
9	COLLEGES	GOVERNMENT DIYAL SINGH COLLEGE	31.56932510100	74.32465380000
10	COLLEGES	GOVERNMENT ISLALMIA COLLEGE CIVIL LINES	31.57269608000	74.30257589200
11	COLLEGES	GOVERNMENT ISLAMIA COLLEGE SADDER CANTT	31.57286116000	74.30291583700
12	COLLEGES	GOVERNMENT ISLAMIA COLLEGE RAILWAY ROAD	31.57423950000	74.32492910000
13	COLLEGES	M.A.O COLLEGE	31.56239572900	74.30420469600
14	FOOD STREETS	FOOD STREET LAHORE FORT	31.58691440500	74.31130575500
15	GOVERNMENT OFFICES	ALHAMRA ART CENTER, MALL ROAD	31.55814400100	74.32978700000
16	GOVERNMENT OFFICES	CAPITAL POLICE OFFICE (CPO)	31.46491775800	74.22562733400
17	GOVERNMENT OFFICES	DEPUTY COMMISSIONER OFFICE (DCO)	31.57442420400	74.30587706900
18	GOVERNMENT OFFICES	DIG OPERATIONS OFFICE	31.57410000000	74.30356300000
19	GOVERNMENT OFFICES	DIRECTOR GENERAL PUBLIC RELATIONS (DGPR)	31.56469096300	74.33250113100
20	GOVERNMENT OFFICES	DISTRICT COURTS	31.55088361200	74.30117601200
21	GOVERNMENT OFFICES	EXCISE & TAXATION (FARID KOT HOUSE)	31.56107400200	74.31123260800
22	GOVERNMENT OFFICES	GENERAL POST OFFICE (GPO)	31.56555223800	74.31279043200
23	GOVERNMENT OFFICES	LAHORE DEVELOPMENT AUTHORITY (LDA)	31.44694837900	74.31831806400
24	GOVERNMENT OFFICES	LAHORE HIGH COURT (LHC)	31.56403381200	74.31460652000
25	GOVERNMENT OFFICES	MANAGEMENT & PROFESSIONAL DEVELOPMENT DEPARTMENT (MPDD)	31.54573114300	74.35776055700

26	GOVERNMENT OFFICES	MODEL TOWN COURTS	31.47287586700	74.34560312600
27	GOVERNMENT OFFICES	NATIONAL INSTITUTE OF PUBLIC ADMINISTRATION (NIPA)	31.54349711000	74.35201118600
28	GOVERNMENT OFFICES	OLD PLANNING & DEVELOPMENT DEPARTMENT	31.56716000000	74.30609800000
29	GOVERNMENT OFFICES	PLANNING & DEVELOPMENT DEPARTMENT	31.56681918800	74.30431048400
30	GOVERNMENT OFFICES	PUNJAB CIVIL SECRETARIAT	31.56759101400	74.30157382200
31	GOVERNMENT OFFICES	PUNJAB PUBLIC SERVICE COMMISSION (PPSC)	31.56080514300	74.33691178300
32	GOVERNMENT OFFICES	SESSION COURTS	31.56556608000	74.30001835200
33	GOVERNMENT OFFICES	TOWN HALL, MALL ROAD	31.56853930000	74.30569030000
34	GOVERNMENT OFFICES	TRANSPORT HOUSE	31.56018037800	74.32807482700
35	GOVERNMENT OFFICES	ARFA SOFTWARE TECHNOLOGY PARK (ASTP)	31.47570000000	74.34280000000
36	HOSPITALS	CHILDREN HOSPITAL	31.48035530000	74.34481740000
37	HOSPITALS	GENERAL HOSPITAL	31.45493438600	74.35018606600
38	HOSPITALS	GULAB DEVI HOSPITAL	31.48295640000	74.34335110000
39	HOSPITALS	ITTAFAQ HOSPITAL	31.47544690900	74.33760636700
40	HOSPITALS	JINNAH HOSPITAL	31.48426700000	74.29686100000
41	HOSPITALS	LADY WILLINGDON HOSPITAL	31.57316705500	74.31549065400
42	HOSPITALS	MAYO HOSPITAL	31.57154310400	74.31582398000
43	HOSPITALS	PUNJAB INSTITUTE OF CARDIOLOGY (PIC)	31.53849402600	74.33591556400
44	HOSPITALS	SERVICES HOSPITAL	31.53965808600	74.33279329300
45	HOSPITALS	SHAIKH ZAYED HOSPITAL	31.50917610100	74.30815460000
46	HOSPITALS	SHAIKH ZAYED HOSPITAL TEACHING	31.50917610100	74.30815460000
47	HOSPITALS	SIR GANGA RAM HOSPITAL	31.55435260000	74.32172070000
48	MARKETS	ANARKALI	31.57122259100	74.31031289400
49	MARKETS	C BLOCK MODEL TOWN MARKET	31.48847640000	74.32592250000
50	MARKETS	BARKAT MARKET	31.50088714900	74.32075328900
51	MARKETS	KAREEM BLOCK MARKET	31.50314001900	74.27810969200
52	MARKETS	LIBERTY MARKET	31.51041516700	74.34383351200
53	MARKETS	MAIN MARKET GULBERG	31.52410884700	74.34666684900
54	MARKETS	MOON MARKET ALLAMA IQBAL TOWN	31.52076770000	74.29238730000
55	MARKETS	MOON MARKET GUSHAN RAVI	31.55118210100	74.28196300000
56	MARKETS	PANORAMA CENTER, MALL ROAD	31.56191096000	74.32125087000
57	MARKETS	SHADMAN MARKET	31.53814091700	74.33046858000
58	MARKETS	WAPDA TOWN ROUND ABOUT MARKET	31.44272910500	74.27545934700
59	METRO BUS STATIONS	METRO - GAJJU MATAH	31.39752097300	74.36165043200
60	METRO BUS STATIONS	METRO - DHULAM KHURD	31.40484830100	74.36062052900

61	METRO BUS STATIONS	METRO - YOUHANABAD	31.41283240800	74.35944094900
62	METRO BUS STATIONS	METRO - NISHTAR	31.41939460000	74.35849700000
63	METRO BUS STATIONS	METRO - ATTARI DARBAR	31.43104335200	74.35676003300
64	METRO BUS STATIONS	METRO - KAMAHAN	31.44119163400	74.35525393500
65	METRO BUS STATIONS	METRO - CHUNGI AMMAR SADHU	31.45046122100	74.35334432600
66	METRO BUS STATIONS	METRO - GHAZI CHOWK	31.45681256000	74.35132046600
67	METRO BUS STATIONS	METRO - QAINCHI	31.46423974400	74.34828175500
68	METRO BUS STATIONS	METRO - ITTEFAQ	31.47942873100	74.34193082300
69	METRO BUS STATIONS	METRO - NASEERABAD	31.48679456500	74.33887983900
70	METRO BUS STATIONS	METRO - MODEL TOWN	31.49758408300	74.33439064200
71	METRO BUS STATIONS	METRO - KALMA	31.50455041100	74.33139981100
72	METRO BUS STATIONS	METRO - GADDAFI	31.51192380200	74.32885395400
73	METRO BUS STATIONS	METRO - CANAL	31.51920307800	74.32699555100
74	METRO BUS STATIONS	METRO - ICCHRA	31.53137400000	74.32139800000
75	METRO BUS STATIONS	METRO - SHAMA	31.53892002000	74.31921576700
76	METRO BUS STATIONS	METRO - QARTABA	31.54866167700	74.31511063600
77	METRO BUS STATIONS	METRO - JANAZGAH	31.55381656100	74.31156084200
78	METRO BUS STATIONS	METRO - MAO	31.56160656300	74.30679262100
79	METRO BUS STATIONS	METRO - SECRETARIAT	31.56878259300	74.30443164300
80	METRO BUS STATIONS	METRO - DISTRICT COURTS	31.57447582100	74.30648191800
81	METRO BUS STATIONS	METRO - BHATTI	31.58037600000	74.30628000000
82	METRO BUS STATIONS	METRO - AZADI	31.58037641000	74.30628013300
83	METRO BUS STATIONS	METRO - TIMBER MARTKET	31.59442345100	74.30216241800
84	METRO BUS STATIONS	METRO - NIAZI CHOWK	31.60087869800	74.29928148400
85	METRO BUS STATIONS	METRO - SHAHDRA	31.61528931000	74.29087548700
86	PARKS	BAGH-E-JINNAH	31.55343506900	74.33029714100
87	PARKS	GULSHAN-E-IQBAL PARK	31.51468000000	74.28884000000
88	PARKS	JILANI PARK	31.54369455800	74.33576181500

89	PARKS	LAHORE ZOO	31.55629441200	74.32612117600
90	PARKS	LAHORE ZOO SAFARI	31.38414952800	74.20974939200
91	PARKS	MINTO PARK 1 ADMIN	31.59124848200	74.30815463000
92	PARKS	MINTO PARK 2 FOOD COURT	31.59124848200	74.30815463000
93	PARKS	MINTO PARK 3 LAKE AREA	31.59124848200	74.30815463000
94	PARKS	MODEL TOWN PARK	31.48386329800	74.32645786700
95	PARKS	NATIONAL BANK PARK	31.50639000400	74.33267999800
96	PARKS	NAWAZ SHAREEF PARK	31.48852015900	74.33696827800
97	PRESS CLUBS	PRESS CLUB SHIMLA PAHARI	31.56186573500	74.33639606600
98	RAILWAY STATIONS	RAILWAY STATION LAHORE 1	31.57713790100	74.33617469900
99	RAILWAY STATIONS	RAILWAY STATION LAHORE 2	31.52984050000	74.36076340000
100	SPORTS COMPLEX	GADAFFI STADIUM	31.51308092500	74.33446010300
101	UNIVERSITIES	GOVERNMENT COLLEGE UNIVERISITY (GCU)	31.57264915400	74.30780136200
102	UNIVERSITIES	KINAIRD COLLEGE UNIVERSITY (KCU)	31.53771368300	74.34008688600
103	UNIVERSITIES	KING EDWARD MEDICAL UNIVERSITY (KEMU)	31.57082140000	74.31438780000
104	UNIVERSITIES	LAHORE COLLEGE FOR WOMEN UNIVERSITY (LCWU)	31.54495500000	74.32722020000
105	UNIVERSITIES	PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY (PUCIT) - OLD CAMPUS	31.57035950000	74.30962940000
106	UNIVERSITIES	PUNJAB UNIVERSITY IT CENTER - NEW CAMPUS	31.49429147100	74.29440833000
107	UNIVERSITIES	UNIVERSITY OF EDUCATION (UOE)	31.45371650000	74.29901360000
108	UNIVERSITIES	UNIVERSITY OF ENGINEERING AND TECHNOLOGY (UET)	31.57964550000	74.35434849900
109	UNIVERSITIES	UNIVERSITY OF HEALTH SCIENCE (UHS)	31.50677340000	74.30980460000
110	UNIVERSITIES	UNIVERSITY OF VETERINARY & ANIMAL SCIENCES (UVAS)	31.06211020100	73.86564970000

Multan

SR. NO.	LOCATION CATEGORY	LOCATION/ PLACE	LATITUDE (LAT)	LONGITUDE (LONG)
1	GOVERNMENT OFFICES	MULTAN ARTS COUNCIL	30.2039319977558	71.4522334052271
2	PARKS	GOL BAGH	30.2213786256274	71.4729695368870
3	MARKETS	GARDEZI MARKET	30.2276230833916	71.4755787605466
4	GOVERNMENT OFFICES	EXECUTIVE DISTRICT OFFICER (EDU)	30.2173152106965	71.4778003886039
5	PARKS	SHAH SHAMS PARK	30.2052360113614	71.4812499396692
6	GOVERNMENT OFFICES	THE CITY HALL, MULTAN MUNICIPAL CORPORATION	30.1985621650897	71.4684964607931
7	PARKS	DAMDAMA	30.1980483904337	71.4703242298809
8	PARKS	HUSSAIN AGAHI BAZAR	30.1957414155776	71.4734313313231

9	HOSPITALS	FATIMA JINNAH HOSPITAL	30.1969615987786	71.4657326406031
10	HOSPITALS	BURN UNIT MULTAN	30.2041805287644	71.4423269353605
11	HOSPITALS	NISHTAR HOSPITAL	30.2031995477951	71.4453336299492
12	SPORTS COMPLEX	SPORTS COMPLEX	30.2025027596502	71.4546635425163
13	GOVERNMENT OFFICES	GOR	30.1943300534176	71.4419403093560
14	MARKETS	SADDAR BAZAR	30.1870216483591	71.4402672723890
15	PARKS	COMPANY BAGH	30.1834412151789	71.4232880109825
16	MARKETS	PURANA SHUJAABAD ROAD	30.1760894934073	71.4414043940792
17	MARKETS	MAIN MARKET MUMTAZABAD	30.1733918950533	71.4875187796489
18	BUS STAND	GENERAL BUS STAND	30.1799774424421	71.5096501951027
19	MARKETS	BLOCK D MARKET, SHAH RUKN-E-ALAM COLONY	30.1916869553273	71.5038647157029
20	MARKETS	GULSHAN MARKET	30.2022867563999	71.5118036514635
21	PARKS	JINNAH PARK	30.1901091149186	71.5115808052106
22	GOVERNMENT OFFICES	DCO Office Multan	30.2058285798198	71.4586888660918
23	PARKS	QILA KOHNA QASIM BAGH	NA	NA
24	DARBAR	DARBAAR HAZRAT BAHA UD DIN ZIKRIA	NA	NA
25	GOVERNMENT OFFICES	Commissioner Office Multan	30.2059412842374	71.4588345009475
26	HOSPITALS	DHQ CIVIL HOSPITAL	30.1963369368859	71.4633442825503
27	HOSPITALS	MULTAN INSTITUTE OF CARDIOLOGY	30.1928218741686	71.4517037912449
28	RAILWAY STATIONS	CITY RAILWAY STATION	30.1800902088397	71.4446733969343
29	MARKETS	SARAFA BAZAR	30.1901962966474	71.4694885044492
30	GOVERNMENT OFFICES	EXECUTIVE DISTRICT OFFICER (COMMUNITY DEVELOPMENT)	30.2008500394538	71.4535969260505

Rawalpindi

SR. NO.	LOCATION CATEGORY	LOCATION/ PLACE	LATITUDE (LAT)	LONGITUDE (LONG)
1	UNIVERSITIES	FATIMA JINNAH WOMEN UNIVERSITY	33.5819059004026	73.0640144533890
2	UNIVERSITIES	UNIVERSITY OF ARID AGRICULTURE	33.6464480121151	73.0805466068485
3	COLLEGES	RAWALPINDI MEDICAL COLLEGE	33.6025247737681	73.0671080566934
4	MARKETS	SADAR MARKET	33.5940122115686	73.0561093816583
5	MARKETS	RAJA BAZAR	33.6145126053825	73.0554699879499
6	MARKETS	TRENCH BHATA	33.5846887002474	73.0353622999621
7	BUS STANDS	FAIZABAD	33.6635093998206	73.0840602003800
8	BUS STANDS	PIR WADHAI	33.6320672992107	73.0390519009671
9	MARKETS	AL-GHANI MARKET	33.5872023891512	73.1324850266741
10	MARKETS	MAIN MARKET	33.6705331661446	73.1049982452066
11	HOSPITALS	BENAZIR BHUTTO HOSPITAL	33.6273682352330	73.0719495480927
12	HOSPITALS	EMERGENCY DEPARTMENT	33.6281409492816	73.0710333691778

13	HOSPITALS	HEARTS INTERNATIONAL HOSPITAL	33.5895140119892	73.0594358003237
14	HOSPITALS	DHQ RAWALPINDI	33.6128494003776	73.0539018999601
15	HOSPITALS	THQ GUJAR KHAN	33.2512989006171	73.3060196987188
16	SPORTS COMPLEX	RAWALPINDI CRICKET STADIUM	33.6514729499514	73.0758670702259
17	SPORTS COMPLEX	SHEHBAZ SHARIF SPORTS COMPLEX	33.6502626999963	73.0777488999393
18	SPORTS COMPLEX	MUNICIPAL FOOTBALL STADIUM	33.6323935998465	73.0643239998449
19	PARKS	LIAQUAT BAGH	33.6061699999965	73.0641700003193
20	PARKS	NAWAZ SHARIF PARK	33.6486085989975	73.0770512997578
21	GOVERNMENT OFFICES	DISTRICT COURTS RAWALPINDI	33.5844897652341	73.0690269772036
22	RAILWAY STATIONS	RAILWAY STATION	33.6034313004654	73.0484013298252
23	MURREE	MURREE 1	39.9070000000000	73.3944000000000
24	MURREE	MURREE 2	NA	NA

Bahawalpur

SR. NO.	LOCATION CATEGORY	LOCATION/ PLACE	LATITUDE (LAT)	LONGITUDE (LONG)
1	HOSPITALS	Bahawalpur Victoria Hospital - Emergency Ward	29.3888° N	71.6810° E
2	HOSPITALS	Bahawalpur Victoria Hospital - Nursing Hostel	29.3888° N	71.6810° E
3	HOSPITALS	Civil Hospital	29.4124° N	71.7200° E
4	GOVERNMENT OFFICES	Commissioner Office	29.3913° N	71.6892° E
5	SPORTS COMPLEX	Dring Stadium	29.4045° N	71.6844° E
6	MARKETS	Farid Gate	29.3957° N	71.6833° E
7	COLLEGES	Govt. Post Graduate College - One Unit Chowk	29.3900° N	71.7001° E
8	BUS STANDS	Gulzar-e-Sadiq - Milad Chowk - General Bus Stand	29.4074° N	71.6773° E
9	PARKS	Ladies Park Chowk Saraiki	29.3942° N	71.6617° E
10	PARKS	Madar-e-Millat Park	NA	NA
11	PARKS	ZOO	NA	NA
12	GOVERNMENT OFFICES	Transport House	NA	NA

Faisalabad

SR. NO.	LOCATION CATEGORY	LOCATION/ PLACE	LATITUDE (LAT)	LONGITUDE (LONG)
1	HOSPITALS	Allied Hospital Sargodha Road	31.5462° N	74.4168° E
2	HOSPITALS	Children Hospital FSD	31.3933° N	73.0235° E

3	BUS STANDS	City Terminal Faisalabad - GTS Chowk	31.4161° N	73.0927° E
4	MARKETS	Clock Tower - Center of eight Bazars	24.8608° N	67.0178° E
5	PARKS	D-Ground Park Peoples Colony Faisalabad	31.4065° N	73.1104° E
6	HOSPITALS	District Headquarter Hospital Mall Road	31.4210° N	73.0948° E
7	SPORTS COMPLEX	Faisalabad Cricket Stadium	31°26′2″N	73°5′9″E
8	UNIVERSITIES	GC University Faisalabad Main Campus Kotwali Road	31.4161° N	73.0700° E
9	UNIVERSITIES	Govt. College of Technology Samanabad - University of Education	31.3911° N	73.0605° E
10	PARKS	Jinnah Gardens Club Road Faisalabad	31.4258° N	73.0851° E
11	STATIONS	RAILWAY STATION FAISALABAD	NA	NA
12	UNIVERSITIES	University of Agriculture Faisalabad - Shahbaz Shareef Park	33.6274° N	73.0751° E