

# PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA)

## CONTRACT AWARD PROFORMA – I

(To Be Filled And Uploaded On PPRA Website in Respect of All Public Contracts of Works, Services and Goods worth Fifty Million Rupees or More)

Name of the organization/deptt.	State Bank of Pakistan
Federal / provincial govt/ other	Other
Title of contract	Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network
Tender number	GSD (PROC-I)/102884/Supply/Routers/2019
Brief description of contract	Contract is attached
Tender value	PKR 78,145,665/-
Engineer's estimate (for civil works only)	N/A
Estimated completion period	05 Years
Whether the procurement was included in annual procurement plan? (yes/no)	Yes
Advertisement:  PPRA website (yes/no) ( if yes give date and pprra's tender number)	Yes TS396221E dated 26-07-2019
Newspapers (yes/no) (if yes give names of newspapers and dates)	Yes. Daily Business Recorder, Daily Dunya, Daily Jiddat Dated: 27-07-2019
Tender opened on (date & time)	20-08-2019 at 11:30 am
Nature of purchase (local / international)	Local
Extension in due date (if any) (yes/no)	No
Number of tender documents sold (attach list of buyers)	Eight (08)  i. M/s. Comstar ii. M/s. IBL- Unisys Pvt Ltd iii. M/s. Arwen Tech Pvt Ltd iv. M/s. Wateen Solutions. v. M/s. CNS Engineering vi. M/s. Jaffer Business Systems Pvt. Ltd. vii. M/s. DWP Technologies Pvt. Ltd. viii. M/s Computer Marketing Co. Pvt ltd
Whether qualification criteria was included in bidding/tender documents (yes/no) (if yes enclose a copy)	Yes (Copy Attached)
Whether Bid Evaluation Criteria was included in bidding/tender documents? (if yes enclose a copy)	Yes (Copy Attached)



<p>Which method of procurement was used:</p> <p>A) single stage – one envelope procedure  B) single stage - two envelope procedure  C) two stage bidding procedure  D) two stage – two envelope bidding procedure</p> <p>Please specify if any other method of procurement was adopted with brief reasons (i.e. emergency, direct contracting, negotiated tendering etc.)</p>	<p>Single stage - two envelope procedure</p>
<p>Who is the approving authority?</p>	<p>Governor-SBP</p>
<p>Whether approval of competent authority was obtained for using a method other than open competitive bidding.</p>	<p>N/A</p>
<p>Number of bids received</p>	<p>04</p>
<p>Whether the successful bidder was lowest bidder (yes/no)</p>	<p>Yes</p>
<p>Whether integrity pact was signed (yes/no)</p>	<p>Yes</p>



## CONTRACT AWARD PROFORMA – II

(To Be Filled And Uploaded On PPRA Website in Respect of All Public Contracts of Works,  
Services and Goods worth Fifty Million Rupees or More)

Number of bidders present at the time of opening of bids	04
Name and address of the successful bidder	M/s DWP Technologies 11-1 <sup>st</sup> Floor Mandiwala Chamber, Talpur Road, Karachi
Ranking of successful bidder in evaluation report (i.e. 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> evaluated bid).	1 <sup>st</sup> (Lowest Evaluated Bidder)
Need analysis (why the procurement was necessary?)	SBP WAN provides connectivity of all SBP BSC Offices and subsidiaries to its data centers. The WAN links are terminated on intranet routers. The countrywide internet routers optimize entire SBP Wide Area Network WAN.
In case extension was made in response time, what were the reasons (briefly describe)	N/A
Whether names of the bidders and their prices were read out at the time of opening of bids	Yes
Date of contract signing (attach a copy of agreement)	19-12-2019 (Contract copy Attached)
Contract award price	PKR 78,145,665
Whether copy of evaluation report given to all bidders (yes/no) (attach copy of the bid evaluation report)	Yes (Uploaded on PPRA & SBP websites) (Evaluation Report Attached)
Any complaints received (if yes result thereof)	No
Any deviation from specifications given in the tender notice/documents (yes/no) (if yes give details)	No
Deviation from qualification criteria (yes/no) (if yes give details)	No
Special conditions, if any (give brief description)	N/A



## Bid Evaluation Criteria for Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network

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#	WAN Optimization Compliance
01	The WAN optimization activity should be supervised by onsite Expert Level Certified Engineer having at least two such implementation experience.
02	The selected bidder will coordinate with SBP Telecom service provider to migrate all layer 1 and layer 2 links to Layer 3 MPLS and all sites would have uniform MPLS L3VPN connectivity from respective Service Providers
03	The selected bidder need to provide High Level document of WAN Network design explaining salient feature of propose design and migration strategy from existing WAN Network to new proposed solution
04	The selected bidder need to configure and implement following tasks related to WAN optimization. <ul style="list-style-type: none"> <li>• Underlay and Overlay Routing</li> <li>• IPSEC Implementation (Spoke to Hub and Spoke to Spoke)</li> <li>• QoS and Traffic Engineering (Enforcement of Active -Active Links)</li> <li>• Router Redundancy and High Availability</li> <li>• Device Security Hardening</li> </ul>
05	The selected bidder is responsible to plan and migrate the existing network to MPLS layer 3 network on the new routers without any disruption to business applications running over existing WAN.
06	The selected bidder will design the underlay network in a way that it would be ready for future deployment of Software Defined Wide Area Network.

**Type-1 Routers for Core Routers for Primary Site Karachi (Qty:02)**

#	Requirement Specifications
1	The Required throughput/system bandwidth of the Router should be minimum 2Gbps
2	The router should be scalable to provide up to 18Gbps throughput through license upgrade to meet future requirements
3	Minimum 14 Mpps or higher forwarding performance
4	12 x 1G SFP Ethernet ports Loaded with copper Ethernet SFP Modules
5	Minimum 2 x 10G Ethernet Ports loaded with 10G MM SFP modules
6	One 10/100/1000 Mbps RJ-45 Ethernet network management port
7	Required Hardware based QoS, cryptography, and access control lists (ACLs) features
8	At least 7Gbps IPSEC throughput
9	Support Zone based Firewall feature
10	Required following advance Features. A. Network Address Translation (NAT) B. IPSEC
11	Support MPLS over Ethernet, VPLS and VXLAN features
12	Support Application Visibility and Control
13	MPLS Layer 2 and Layer 3 Features Required
14	Provides queue and scheduling functions such as Low-Latency Queuing (LLQ) bandwidth limiting, and traffic shaping
15	Routing Protocols: Static, PBR, OSPF, BGP and Redistribution
16	Encryption support for AES-128-GCM and AES-256-GCM, authentication support for HMAC-SHA-256, key establishment support for ECDSA-256 and ECDH-256, hashing support for SHA-256.
17	Spoke to Spoke VPN tunnels capability
18	8000 or higher IPsec tunnels
19	Required Link Tracking Functionality
20	RADIUS, authentication, authorization, and accounting (AAA)
21	Support dual software redundancy with a single route-processor configuration
22	Stateful Switchover while maintaining connection status
23	Online insertion and removal of modules
24	Required Redundant Power Supplies
25	Must be part of vendor SDN WAN portfolio
26	OEM based Training included
27	Selected bidder need to provide onsite engineering support through at least two professional level certified and experienced resource
28	Five (05) Years 8x5xNBD OEM Hardware Replacement and partner support at SBP Premises. In case if OEM unable to provide 8x5xNBD delivery Support in SBP premises than equivalent backup device should be provided on each site at the start of contract

**Type-2 Routers for DR Site Hyderabad (Qty:02)**

<b>S#</b>	<b>Requirement Specifications</b>
1	The Required throughput/system bandwidth of the router should be minimum 900 Mbps
2	The router should be scalable to provide up to 4Gbps throughput through license upgrade to meet future requirements
3	Required 900 Mbps (IMIX) IPSEC throughput upgradeable to 1.5 Gbps or higher with software license upgrade
4	Online insertion and removal of modules
5	Must have 10 x 1G (Dual Mode) Routed GE port. If dual mode routed Ethernet ports are not available then bidder must include 10 x 1G Copper and 5 x 1G SFP routed ports
6	Must have at least 4 I/O or network interface modules slots
7	Required Static, RIPv2, OSPF, and BGP
8	Required Encapsulated Remote Switched Port Analyzer (ERSPAN)
9	Required First Hop Redundancy Protocols
10	Required RADIUS, authentication, authorization, and accounting (AAA)
11	Layer 2 and Layer 3 VPN, IPsec Capabilities required.
12	Required IPsec encryptions - DES, 3DES, AES-128, and AES-256
13	Support Public Key infrastructure for IPsec tunnel using X.509 certificate.
14	Required Encryption support for AES-128-GCM and AES-256-GCM, authentication support for HMAC-SHA-256, key establishment support for ECDSA-256 and ECDH-256, hashing support for SHA-256.
15	Required 3,800 IPsec tunnels or Higher
16	Required Link Tracking capabilities.
17	Required MPLS Layer 2 and Layer 3 features
18	Support Layer 2 Tunneling Protocol Version 3 (L2TPv3)
19	Must be part of vendor SDN WAN portfolio
20	Support SD WAN with additional license/subscription
21	Support following features Application-based Firewalling, Content filtering, Web search filtering & intrusion detection and prevention and Web caching
22	Required Redundant Power Supplies
23	Five (05) Years 8x5xNBD OEM Hardware Replacement and partner support at SBP Premises. In case if OEM unable to provide 8x5xNBD delivery Support in SBP premises than equivalent backup device should be provided on each site at the start of contract

### **Type-3 Routers (Qty:08)**

<b>S#</b>	<b>Requirement Specifications</b>
1	The Required throughput/system bandwidth of the router should be minimum 190 Mbps
2	The router should be scalable to provide up to 2Gbps throughput through license upgrade to meet future requirements
3	Required 180 Mbps (IMIX) IPSEC throughput upgradeable to 360 Mbps or higher with software license upgrade
4	Online insertion and removal of modules
5	Must have 5 x 1G (Dual Mode) Routed GE port. If dual mode routed Ethernet ports are not available then bidder must include 5 x 1G Copper and 5 x 1G SFP routed ports
6	Must have at least 4 I/O or network interface modules slots
7	Required Static, RIPv2, OSPF, and BGP
8	Required Encapsulated Remote Switched Port Analyzer (ERSPAN)
9	Required First Hop Redundancy Protocols
10	Required RADIUS, authentication, authorization, and accounting (AAA)
11	Layer 2 and Layer 3 VPN, IPsec Capabilities required.
12	IPsec encryptions - DES, 3DES, AES-128, and AES-256 Required
13	Support Public Key infrastructure for IPsec tunnel using X.509 certificate.
14	Required Encryption support for AES-128-GCM and AES-256-GCM, authentication support for HMAC-SHA-256, key establishment support for ECDSA-256 and ECDH-256, hashing support for SHA-256.
15	Required 1,400 IPsec tunnels or Higher
16	Required Link Tracking capabilities.
17	Required MPLS Layer 2 and Layer 3 features
18	Support Layer 2 Tunneling Protocol Version 3 (L2TPv3)
19	Must be part of vendor SDN WAN portfolio
20	Support SD WAN with additional license/subscription
21	Support following features with add-on license: Application-based Firewalling, Content filtering, Web search filtering & intrusion detection and prevention and Web caching
22	Five (05) Years 8x5xNBD OEM Hardware Replacement and partner support at SBP Premises. In case if OEM unable to provide 8x5xNBD delivery Support in SBP premises than equivalent backup device should be provided on each site at the start of contract

### Type-4 Routers (Qty:27)

<b>S#</b>	<b>Requirement Specifications</b>
1	The Required throughput/system bandwidth of the router should be minimum 70 Mbps
2	The router should be scalable to provide up to 1.2 Gbps throughput through license upgrade to meet future requirements
3	Required 65 Mbps IPSEC throughput
4	Must have 3 x 1G (Dual Mode) Routed GE port. If dual mode routed Ethernet ports are not available then bidder must include 3 x 1G Copper and 3 x 1G SFP routed ports
5	Must have at least 2 I/O or network interface modules slots
6	Required Static, RIPv2, OSPF, and BGP
7	Required Encapsulated Remote Switched Port Analyzer (ERSPAN)
8	Required First Hop Redundancy Protocols
9	Required RADIUS, authentication, authorization, and accounting (AAA)
10	Layer 2 and Layer 3 VPN, IPSec Capabilities required.
11	IPSec encryptions - DES, 3DES, AES-128, and AES-256 Required
12	Support Public Key infrastructure for IPSec tunnel using X.509 certificate.
13	Required Encryption support for AES-128-GCM and AES-256-GCM, authentication support for HMAC-SHA-256, key establishment support for ECDSA-256 and ECDH-256, hashing support for SHA-256.
14	Required Link Tracking capabilities.
15	Required MPLS Layer 2 and Layer 3 features
16	Support Layer 2 Tunneling Protocol Version 3 (L2TPv3)
17	Must be part of vendor SDN WAN portfolio
18	Support SD WAN with additional license/subscription
19	Support following features with add-on license: Application-based Firewalling, Content filtering, Web search filtering & intrusion detection and prevention and Web caching
20	Five (05) Years 8x5xNBD OEM Hardware Replacement and partner support at SBP Premises. In case if OEM unable to provide 8x5xNBD delivery Support in SBP premises than equivalent backup device should be provided on each site at the start of contract

### Service Level Agreement & Training

<b>#</b>	<b>Description</b>
1	Complete Compliance of SLA as per details mentioned in Section V Technical Specifications.
2	Availability requirements including recovery and response time along with the Terms and Conditions mentioned under SLA requirement as in Section V. 'Technical Specification' is accepted and will be complied during execution of the contract.
3	Training of four (04) SBP Resources as per details mentioned in Section V Technical Specifications.





**CONTRACT**

**For**

**Supply, Installation, Integration,  
Maintenance and Support of Intranet  
Routers and WAN optimization of SBP  
Network**

**Between**

**State Bank of Pakistan**

**And**

**M/s DWP Technologies Pvt. Ltd**



(2)

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GSD (PROC-1)/102884/Supply/Routers/2019

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Form of Contract Agreement



**ZAIN-UL-ABEDIN STAMP VENDOR**

License # 116, Place Adjacent Suite # 44

Redy Centre, Jalpur Road, Goulstan Market, Karachi.

16 AUG 2019

S.R. NO. .... DATE .....

ISSUED TO WITH ADDRESS MR. ....

THROUGH WITH ADDRESS MR. ....

PURPOSE: .....

VALUE RS. .... ATTACHED .....

STAMP VENDOR SIGNATURE .....

**Form of Contract Agreement**

THIS AGREEMENT made the 14<sup>th</sup> day of December 2019 between State Bank of Pakistan (hereinafter called "the Purchaser") of the one part and M/s DWP Technologies Pvt. Ltd. Karachi Pakistan (hereinafter called "the Supplier") of the other part:

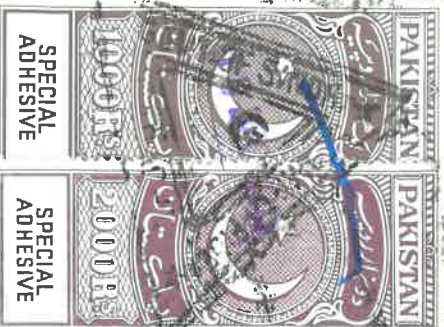
WHEREAS the Purchaser invited bids for certain goods and ancillary services, viz., "Supply, Installation Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBB Network" and has accepted a bid by the Supplier for the supply of those goods and services in the sum Rs. 78,145,665/- (Rupees seventy eight million one hundred forty five thousand six hundred sixty five only) (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of the Agreement, viz.:
  - i. General Conditions of Contract;
  - ii. Special Conditions of Contract;

pendices;

  - Appendix -1 Notification of Award
  - Appendix -2 Acceptance Letter
  - Appendix -3 Supplier's Representative
  - Appendix -4 Technical Specifications
  - Appendix -5 Delivery & Implementation Schedule
  - Appendix -6 Price Schedule
  - Appendix -7 Payment Schedule
  - Appendix -8 Supplier Account Form (S2)
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  - Appendix -11 Sample Forms of the Contract Agreement
  - Appendix -12 The Supplier's Bid



- Appendix -1 Notification of Award
- Appendix -2 Acceptance Letter
- Appendix -3 Supplier's Representative
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- Appendix -7 Payment Schedule
- Appendix -8 Supplier Account Form (S2)
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- Appendix -10 Integrity Pact
- Appendix -11 Sample Forms of the Contract Agreement
- Appendix -12 The Supplier's Bid



3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinabove mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and remedy defects therein in conformity in all respects with the provisions of the Contract

4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may be payable under the provisions of the contract at the times and in the manner prescribed by the contract.

5. This agreement can only be amended or extended in writing and upon mutual agreement of both the parties.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written

Sign and seal, (for the Purchaser):

*[Handwritten Signature]*

Name: **ZULFIQAR ALI**  
Senior Joint Director  
Information Technology Department  
State Bank of Pakistan  
Karachi

Designation:

Sign and seal, (for the Service Provider/Supplier):

*[Handwritten Signature]*

**DMP TECHNOLOGIES (PVT) LTD.**  
KARACHI

Name: **MATEEM SHEEL**  
Designation: **Regional Manager (Souvia)**

Witness 1: *[Handwritten Signature]*  
Name: **AHMED S A B**  
Designation: **Senior Joint Director**  
Information System & Technology Dept.  
STATE BANK OF PAKISTAN  
Karachi.

Witness 2: **Fahad Saood**  
Name:  
Designation:

**FAHAD SAOOD**  
Deputy Director  
Information Technology Dept.  
State Bank of Pakistan  
Karachi

Witness 1:

*[Handwritten Signature]*

Name: **JAWAD LATIF**  
Designation: **Senior**  
Corporate Account Manager

Witness 2:

*[Handwritten Signature]*

Name: **Muhammad Babar Sarwar**  
Designation: **Regional Manager**



**ICE CITY COURTS**  
KARACHI

**STATE BANK OF PAKISTAN**  
KARACHI

09 DEC 2019

**DMP TECHNOLOGIES (PVT) LTD.**  
KARACHI

## General Conditions of Contract (GCC)

### 1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- a. "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- b. "The Original Contract Price" means the total price agreed at the time of signing the contract payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- c. "The Goods" means all of the equipment, machinery, software and/or other materials, which the Supplier is required to supply to the Purchaser under the Contract.
- d. "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other obligations of the Supplier covered under the Contract.
- e. "GCC" means the General Conditions of Contract contained in this section.
- f. "SCC" means the Special Conditions of Contract.
- g. "The Purchaser" means the State Bank of Pakistan interchangeably referred to as Bank, purchasing Goods, as named in SCC.
- h. "The Islamic Republic of Pakistan" is the country named in SCC.
- i. "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
- j. "The State Bank" means the State Bank of Pakistan established under SBP Act 1956
- k. "The Project Site," where applicable, means the place or places named in SCC.
- l. "Day" means calendar day.
- m. "Installation and Operational Acceptance" where applicable means the Installation and Acceptance of a product defined as in SCC.
- n. "The Actual (Adjusted) Contract Price" means the price payable to the Supplier under the Contract after all the adjustments of quantities, lengths and extent of deliveries after installation and/or Acceptance for the full and proper performance of its contractual obligations.
- o. "System" – is the set of all the components of the project.
- p. "Subsystem" – is a subset of the components of the project grouped for a site or for a particular category/type of supplies.

### 2. Application

These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

### 3. Country of Origin

3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible source countries as defined under the rules, laws statutes or relevant instructions of Federal Government

3.2 For purposes of this Clause, "origin" means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and material assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.



3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.

#### 4. Standards

4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.

#### 5. Use of Contract Documents and Information; Inspection and Audit by the Bank

5.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

5.3 The Bidder shall permit the Bank to inspect the Bidders accounts and records relating to the performance of the Bidders and to have them audited by auditors appointed by the Bidder, if so required.

#### 6. Patent Rights

6.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Islamic Republic of Pakistan.

#### 7. Performance Security

7.1 Within twenty one (21) days, or any other duration as specified in SCC, of receipt of the notification of Contract award, the successful Bidder shall furnish to the Purchaser the performance security in the amount specified in SCC.

7.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

7.3 The performance security shall be denominated in the currency of the Contract acceptable to the Purchaser and shall be an unconditional bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Islamic Republic of Pakistan, in the form provided in the bidding documents or another form acceptable to the Purchaser; or

7.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

7.5 No payment shall be made in case of the expiry of performance security.

#### 8. Inspections and Tests

8.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Purchaser shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

8.2 Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.

8.4 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Islamic Republic of Pakistan shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods' shipment from the country of origin.

8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.



	<p>8.6 - Appropriate tests and verifications to ensure the consistency of product with conditions laid down in bidding documents.</p>
<p><b>9. Packing</b></p>	<p>9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.</p>
<p><b>10. Delivery and Documents</b></p>	<p>10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.</p>
<p><b>11. Insurance</b></p>	<p>11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the Purchaser after having been delivered; hence insurance coverage is Supplier's responsibility.</p>
<p><b>12. Transportation</b></p>	<p>12.1 The Supplier is required under the Contract to transport the Goods to a specified place of destination within the Islamic Republic of Pakistan, transport to such place of destination in the Islamic Republic of Pakistan, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be deemed to have been included in the Contract Price.</p>
<p><b>13. Incidental Services</b></p>	<p>13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:</p> <ul style="list-style-type: none"> <li>(a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>(b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>(c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> <li>(d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</li> <li>(e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</li> </ul> <p>13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged for other parties by the Supplier for similar services.</p>
<p><b>14. Spare Parts</b></p>	<p>14.1 The Supplier should provide any or all of the notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <ul style="list-style-type: none"> <li>(a) such spare parts as the Purchaser may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and</li> <li>(b) in the event of termination of production of the spare parts: <ul style="list-style-type: none"> <li>(i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and</li> <li>(ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.</li> </ul> </li> </ul>
<p><b>15. Warranty</b></p>	<p>15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of desired models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further</p>



warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for period stated in Special Conditions after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract

15.3 If the Supplier determines that the standard warranty as provided by the manufacturer on certain products under this project is beyond 01 year (e.g. 2, 3 or unlimited years), then the supplier will clearly identify the respective warranty periods against all such product in its proposal.

15.4 However, if the Supplier determines that the standard warranty as provided by the manufacturer on certain products under this project is less than 01 year (e.g. 3 months), then supplier will clearly identify the options, services and cost associated in purchasing the extended warranty/maintenance service for up to 01 year on all such products in its proposal.

15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

## 16. Payment

16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.

16.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.

16.3 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.

16.4 The currency of payment is Pak. Rupees.

## 17. Prices

Prices payable to the Service Provider as stated in the Contract are not subject to any adjustment during performance of the contract. However, any subsequent legislation enacted, changes in the rates of all indirect taxes / duties and levies during the currency of contract that impacts the contract price would be duly accounted for by both the parties of the contract i.e. in case of increase or decrease in the rates of the said taxes and duties or levy of any new tax or duty, the contract price would be adjusted accordingly.

## 18. Change Orders

18.1 The Purchaser may at any time, by a written order given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured, customized for the Purchaser;
- (b) the method of shipment or packing;
- (c) quantities of goods
- (d) the place of delivery; and/or
- (e) the Services to be provided by the Supplier.

18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

## 19. Contract Amendments

Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.





<b>20. Assignment</b>	The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser's prior written consent.
<b>21. Subcontracts</b>	<p>21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.</p> <p>21.2 Subcontracts must comply with the provisions of GCC Clause 3.</p>
<b>22. Delays in the Supplier's Performance</b>	<p>22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.</p> <p>22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.</p> <p>22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations may render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.</p>
<b>23. Liquidated Damages</b>	Subject to GCC Clause 24, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser may, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24.
<b>24. Termination for Default</b>	<p>24.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:</p> <p>(a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 22; or</p> <p>(b) if the Supplier fails to perform any other obligation(s) under the Contract.</p> <p>(c) if the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.</p>
<b>25. Force Majeure</b>	<p>24.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.</p> <p>25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.</p> <p>25.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser</p>



in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

## 26. Termination for Convenience

26.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

26.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

## 27. Resolution of Disputes

27.1 Amicable Settlement  
The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

27.2 Dispute Settlement

27.2.1 If any dispute arises between the Client and the Service Provider in connection with, or arising out of, the Contract or the provision of the Services, whether during carrying out the Services or after their completion, the matter shall be referred to the Adjudicator within 28 days of the notification of disagreement of one party to the other.

27.2.2 The Adjudicator shall give a decision in writing within 28 days of receipt of a notification of a dispute.

27.2.3 The arbitration shall be conducted in accordance with the Arbitration Act of 1940.

## 28. Governing Language

The Contract shall be written in English language all correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

## 29. Applicable Law

The Contract shall be interpreted in accordance with the laws of the Islamic Republic of Pakistan

## 30. Notices

30.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.

30.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

## 32. Overriding effect of Public Procurement Rules 2004

In case of conflict or primacy of interpretation the provisions of PPR 2004 shall have an overriding effect notwithstanding anything to the contrary contained in these bidding documents



**33. Effectiveness of Contract and Commencement of Services**

33.1 This Contract shall come into effect on the date the Contract is signed by both the parties or such other date as may be stated in the SCC.

33.2 The Supplier shall start carrying out the Services from the date the Contract becomes effective, or at such other date as may be specified in the SCC.

33.3 Unless terminated earlier, the Supplier shall complete the activities by the Intended Completion Date, as is specified in the SCC. If the Supplier does not complete the activities by the Intended Completion Date, it may be liable to pay liquidated damage as per GCC Clause 23. In this case, the Completion Date will be the date of completion of all activities.

**34. Independent Contractor Status**

The parties agree that this Agreement creates an independent contractor relationship, not an employment relationship.

The service provider acknowledges and agrees that the Purchaser will not provide the service provider or its personnel with any remuneration, employee benefits, health insurance and that income tax / withholding tax is service provider's responsibility. The service provider shall ensure all applicable laws are strictly followed.



## Special Conditions of Contract (SCC)

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

### SCC 1. Definitions

GCC Clause 1

- a. "The Contract" is "Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network"
- b. "The Contract Price" is **Rs.78,145,665/- (Rupees seventy eight million one hundred forty five thousand six hundred sixty five only)**
- g. "The Purchaser" is the **State Bank of Pakistan**
- i. "The Supplier" is **M/s DWP Technologies Pvt. Ltd**

### SCC 2. Performance Security

GCC Clause 7

**5% performance security** is required against the entire contract amount for the entire contract period till the end of five-years Warranty and SLA Period.

(Performance Security is required at the time of signing of contract).

### SCC 3. Inspections and Tests

GCC Clause 8.6

Appropriate tests and verifications to sign off Operational Acceptance as per the criteria mentioned in the Technical Specifications to ensure the consistency of product with the specifications laid down in the bidding document.

### SCC 4. Delivery and Documents

GCC Clause 10

If applicable upon shipment, the Supplier shall notify the Purchaser the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document. The delivery will be signed off by the designated Project Manager of the Bank after due verification of Item supplies, Country of Origin, Shipment Documents and Quantity.

The In-Land transportation for the delivery of all supplies up to the Bank's Premises is the responsibility of Supplier. The Supplier shall transport and deliver the consignment at State Bank of Pakistan –Karachi or such other site as decided by the Purchaser in terms of item GCC 1.1(K).

The Supplier shall mail the following documents to the Purchaser:

- i. Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
  - ii. Packing List identifying the contents of each package;
  - iii. Delivery note, railway receipt, or truck receipt;
  - iv. Insurance certificate when Supplier is responsible for transportation;
  - v. Warranty and guarantee certificate;
  - vi. Certificate from the Supplier that the supplied Goods are exactly in accordance with the specifications those have been provided.
- Certificate of origin (if required)

### SCC 5. Insurance

GCC Clause 11.1

Without limiting his obligations and responsibilities, insofar as practicable, the Supplier shall insure in the joint names of the Purchaser and the Supplier to an amount equal to **110%** of the delivered duty paid (DDP) value of the goods from "warehouse to warehouse" on "All Risks" basis including War Risks and Strikes.

### SCC 6. Warranty

GCC Clause 15



Five (05) years 24 x 7 OEM backed Warranty and SLA with on-site parts, labor and technical support	Warranty and SLA period will commence from the date of Operational Acceptance.
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**SCC 7. Payment**

GCC Clause 16

**A - Payment for Solution:****1. Payment after Delivery:**

**50%** (Fifty percent) of Solution Cost will be paid after the issuance of Delivery Completion Certificate for complete delivery and WAN optimization duly signed by authorized representative of the Bank.

**2. Payment after Operational Acceptance:**

**50%** (Fifty percent) of Solution Cost will be paid after the issuance of Operational Acceptance Certificate of complete solution and WAN optimization duly signed by authorized representative of the Bank.

**B - Training Payment:**

**100%** (Hundred percent) of Training Cost will be paid after completion of training for 04 SBP resources confirmed by authorized representative of the Bank

**C - Maintenance and Support Services Payment:**

Annual Maintenance and Support Services payments shall be paid bi-annually at the end of each six month period subject to confirmation from SBP technical team.

**SCC 8.****Prices**

GCC Clause 17.1

Prices payable to the Service Provider as stated in the Contract are not subject to any adjustment during performance of the contract. However, any subsequent legislation enacted, changes in the rates of all indirect taxes / duties and levies during the currency of contract that impacts the contract price would be duly accounted for by both the parties of the contract i.e. in case of increase or decrease in the rates of the said taxes and duties or levy of any new tax or duty, the contract price would be adjusted accordingly.

**SCC 9.****Subcontracts**

GCC Clause 21

Subcontracting is not allowed for this procurement, supplier will be solely responsible for supplies, warranty and technical support.

The supplier will be essentially required to provide necessary CNIC of the Project Manager, Engineers, Technicians, labors, and other logistic resources etc.

The supplier will be responsible for the supervision, safety and discipline of their own staff and other logistic staff working within the Purchaser's premises during the course of the project.

The staff and labors of the supplier should be well equipped with the safety gears while working in SBP during the period of the contract.

During the project implementation if anything is damaged or dig by supplier then the selected supplier will have to repair / rectify or replace if not repairable the damaged item in all respect pertaining to civil, electrical, office furniture etc.



The digging, channeling and cabling work inside and outside the building within the campus has to be carried out during off-hours of working days and on the holidays subject to the prior permissions from Internal Bank Security Department of SBP.

The supplier must adhere to the rules, discipline and practices of SBP, during the entire course of project

**SCC 10. Liquidated Damages**

GCC Clause 23

GCC23 Subject to Clause 25 herein:

If the Supplier fails to complete the solution/project/delivery on the agreed timelines the Purchaser may deduct from the invoice payables for the One-time cost of the equipment as liquidated damages, a sum equivalent to 0.5 percent of the Contract Price for each week of delay, up to a maximum deduction of 10% of the Contract Price. After which the purchaser may consider termination of the contract pursuant to GCC 24.

If the supplier fails to meet the maintenance and support Warranty /SLA requirements the Purchaser may deduct from the invoice payables for SLA charges as liquidated damages, a sum equivalent to 0.05 percent per day of the maintenance and support charges of the corresponding year.

**SCC 11. Resolution of Disputes**

GCC Clause 27.1

The dispute resolution mechanism to be applied pursuant to GCC Clause 27.2 shall be as follows:

In the case of a dispute between the Purchaser and the Supplier, the dispute shall be referred to arbitration in accordance with Applicable Arbitration Act.

**SCC 12. Applicable Law**

GCC Clause 29.1

Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan

**SCC 13. Notices**

GCC Clause 30.1

Purchaser's address for notice purposes:

Director ITD  
Information Technology Department  
6th Floor, Main Building  
State Bank of Pakistan  
I.I. Chundrigar Road, Karachi



## Appendices (Contract)

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- Appendix -1 Notification of Award
- Appendix -2 Acceptance Letter
- Appendix-3 Supplier's Representative
- Appendix-4 Technical Specifications
- Appendix-5 Delivery & Implementation Schedule
- Appendix-6 Price Schedule
- Appendix-7 Payment Schedule
- Appendix-8 Supplier Account Form (S2)
- Appendix -9 Performance Security (Bank Guarantee)
- Appendix -10 Integrity Pact
- Appendix -11 Sample Forms of the Contract Agreement
  - I. Sample Approval Certificate
  - II. Delivery Confirmation Certificate
  - III. Installation Certificate Form
  - IV. Operational Acceptance Certificate Form
- Appendix-12. The Supplier's Bid

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*Dr.*



## Appendix -1 Notification of Award



STATE BANK OF PAKISTAN  
SBP Banking Services Corporation  
General Services Department  
Head Office

[Ref. No.]

[Date]

IFB No: GSD (PROC-J)/102884/Supply/Routers/2019

Title: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network

To:

[insert: name and address of Supplier]

**Notification of Award for "Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network"**

Dear Sir or Madam,

It is hereby informed that *M/s DWP Technologies Pvt. Ltd's* bid for "Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network" has been accepted for a sum of *Rs. 78,145,665/- (Rupees seventy eight million one hundred forty five thousand six hundred sixty five only).*

Please acknowledge with your Letter of Acceptance.

Yours Sincerely

[Procurement Officer]

A handwritten signature in blue ink, appearing to be 'M. W.' or similar.





## Appendix -2 Acceptance Letter

Ref. No./

Date/

IFB No: GSD (PROC-I)/102884/Supply/Routers/2019

Title: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network

To:

Director  
General Services Department  
State Bank of Pakistan – BSC (HOK)  
4th Floor BSC House, I.I Chundrigar Road,  
Karachi -Pakistan

**Letter of Acceptance. for "Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network?"**

Dear Sir,

We hereby Confirm and Accept the Notification of Award (*Insert Ref. No. of NoA*) for "Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network" for a sum ofRs. 78,145,665/- (*Rupees seventy eight million one hundred forty five thousand six hundred sixty five only*).

We will submit requisite Performance Guarantees within twenty one (21) days and sign & return the Contract Agreement within twenty four (24) days from receipt of the Contract Form as per the terms of the Bidding Documents.

Yours Sincerely

Name

Designation

M/s DWP Technologies Pvt. Ltd

Date:



### Appendix-3 Supplier's Representative

No: GSD (PROC-1)/102884/Supply/Routers/2019  
 Title: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network  
 Supplier: *M/s DWP Technologies Pvt Ltd*

Supplier's appointed Representatives are:

Name:	MACEEM SHEK
Designation:	REGIONAL MANAGER (SOO/14)
Contact Details	
Land line:	021-111-006-006
Cell:	0302-8289219
Email:	maceem.sheer@dwp.com.pk
Address:	11, FORT FLOOD, MANDULWARA CHAMBERI SALUK ROAD, SUTAKHAT

Name:	MUHAMMAD ZAHURULLAH
Designation:	MUHAMMAD CONSULTING SERVICES
Contact Details	
Land line:	021-111-006-006
Cell:	0301-822-7976
Email:	Muhammad.zahar@dwp.com.pk
Address:	11, FORT FLOOD, MANDULWARA CHAMBERI, SALUK ROAD, SUTAKHAT.

*M*

*Zahur*



## Appendix-4 Technical Specifications

No:	GSD (PROC-I)/102884/Supply/Routers/2019
Title:	Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network
Supplier:	M/s DWP Technologies Pvt. Ltd

### 1. The Project Objective:

Information Technology Department (ITD) intended to optimize and upgrade SBP Corporate Wide Area Network (Intranet) Infrastructure. The objective of the project is to enhance and optimize the business application experience over corporate Wide Area Network and intelligent load sharing and distribution of the traffic over existing communication links.

### 2. SBP WAN Infrastructure Overview:

SBP existing WAN infrastructure is providing connectivity of 16 regional SBP offices with SBP Main Data Center (MDC), Backup Data Center (BDC) and Disaster Recovery Data Center (DRDC). SBP current network is based on regional aggregation model in which regional aggregation sites are maintain at NTC Lahore and Islamabad sites for aggregation of respective regional spoke sites. At the moment each spoke site is connected to SBP Data Centers by using following telecommunication service providers.

- National Telecommunication Corporation through Dedicated Lease Lines through collocated Routers at NTC regional exchanges in Karachi, Lahore and Islamabad (Layer 1 Connectivity)
- PTCL Layer 3 MPLS Connectivity
- Wateen Telecom Layer 2 Connectivity
- I-direct based Satellite connectivity (Layer 3)

All SBP sites (including spoke, Primary DC, BDC and HYD DR) are equipped with redundant routers to provide Hardware redundancy however most of these routers are either approaching their EOS dates or already reached EOS.

### 3. Scope of Project:



The scope of the project is to replace the upgrade the end of support SBP intranet WAN routers. In addition to this SBP also intends to upgrade and optimize its WAN Network to increase efficiency, resilience and improve uptime of the System.

#### 3.1. Delivery:

Delivery will considered accomplished when all the hardware, software and allied components have been deliver at designated customer location in accordance to the contract.

#### 3.2. Installation:

Installation will considered accomplished when the systems have fixed, energized, connected, and made ready of system configuration and integration.



#### 3.3. Integration:

Integration means that products/solutions are install and connected to existing network in operation as per the technical requirements.

#### 3.4. Operational Acceptance:

Operational Acceptance means that the products/solutions and services as mentioned in technical requirements are install, configure and in operations after testing in accordance with the standard testing procedure provided by the OEM. If no such procedure exists or provide by the manufacturer, then testing procedure may be agree mutually by both the parties in accordance with the mentioned technical requirements or at least 4 weeks of trouble-free operations in production will confirm the Operational



Acceptance. For testing purpose, any cost associated with test equipment if required shall be borne by the supplier.

During the course of the project until the operational acceptance of the last installation is signed off, the supplies should remain covered under warranty and maintenance and support services (as per SLA), without any additional cost to the Purchaser.

### 3.5. Training & Documentation

The supplier will provide formal hands on technical training for four (04) SBP Resources on the supplied hardware, software and allied equipment in the contract at Principal /Manufacturer's Accredited Training facility by OEM Certified Trainers.

The course should be described/designed or customized for Professional and Advance level OEM accredited courses.

The supplier will provide all necessary installation, technical, troubleshooting, maintenance and preventive maintenance manuals and documentation, CDs etc. and keep on updating SBP for all related technical updates.

The cost of training, travelling, boarding, lodging, and commute any other relevant expenses to the purchaser's nominated trainees should be included in the Form F2-Price Schedule of the bidding documents.

## 4. Technical Requirements for WAN Optimization:

#	WAN Optimization Compliance
01	The WAN optimization activity should be supervised by onsite Expert Level Certified Engineer having at least two such implementation experience.
02	The selected bidder will coordinate with SBP Telecom service provider to migrate all layer 1 and layer 2 links to Layer 3 MPLS and all sites would have uniform MPLS L3VPN connectivity from respective Service Providers
03	The selected bidder need to provide High Level document of WAN Network design explaining salient feature of propose design and migration strategy from existing WAN Network to new proposed solution
04	The selected bidder need to configure and implement following tasks related to WAN optimization. <ul style="list-style-type: none"> <li>• Underlay and Overlay Routing</li> <li>• IPSEC Implementation (Spoke to Hub and Spoke to Spoke)</li> <li>• QoS and Traffic Engineering (Enforcement of Active -Active Links)</li> <li>• Router Redundancy and High Availability</li> <li>• Device Security Hardening</li> </ul>
05	The selected bidder is responsible to plan and migrate the existing network to MPLS layer 3 network on the new routers without any disruption to business applications running over existing WAN.
06	The selected bidder will design the underlay network in a way that it would be ready for future deployment of Software Defined Wide Area Network.

## 5. Technical Requirements for Intranet Routers:

### 5.1. Type-1 Routers for Core Routers for Primary Site Karachi (Qty:02)

#	Requirement Specifications
1.	The Required throughput/system bandwidth of the Router should be minimum 2Gbps
2.	The router should be scalable to provide up to 18Gbps throughput through license upgrade to meet future requirements
3.	Minimum 14 Mbps or higher forwarding performance
4.	12 x 1G SFP Ethernet ports Loaded with copper Ethernet SFP Modules
5.	Minimum 2 x 10G Ethernet Ports Loaded with 10G MM SFP modules
6.	One 10/100/1000 Mbps RJ-45 Ethernet network management port



7.	Required Hardware based QoS, cryptography, and access control lists (ACLs) features
8.	At least 7Gbps IPSEC throughput
9.	Support Zone based Firewall feature Required following advance Features.
10.	A. Network Address Translation (NAT) B. IPSEC
11.	Support MPLS over Ethernet, VPLS and VXLAN features
12.	Support Application Visibility and Control
13.	MPLS Layer 2 and Layer 3 Features Required
14.	Provides queue and scheduling functions such as Low-Latency Queuing (LLQ) bandwidth limiting, and traffic shaping
15.	Routing Protocols: Static, PBR, OSPF, BGP and Redistribution
16.	Encryption support for AES-128-GCM and AES-256-GCM, authentication support for HMAC-SHA-256, key establishment support for ECDSA-256 and ECDH-256, hashing support for SHA-256.
17.	Spoke to Spoke VPN tunnels capability
18.	8000 or higher IPsec tunnels
19.	Required Link Tracking Functionality
20.	RADIUS, authentication, authorization, and accounting (AAA)
21.	Support dual software redundancy with a single route-processor configuration
22.	Stateful Switchover while maintaining connection status
23.	Online insertion and removal of modules
24.	Required Redundant Power Supplies
25.	Must be part of vendor SDN WAN portfolio
26.	OEM based Training included
27.	Selected bidder need to provide onsite engineering support through at least two professional level certified and experienced resource
28.	Five (05) Years 8x5xNBD OEM Hardware Replacement and partner support at SBP Premises. In case if OEM unable to provide 8x5xNBD delivery Support in SBP premises than equivalent backup device should be provided on each site at the start of contract

### 5.2. Type-2 Routers for DR Site Hyderabad (Qty:02)

#	Requirement Specifications
1.	The Required throughput/system bandwidth of the router should be minimum 900 Mbps
2.	The router should be scalable to provide up to 4Gbps throughput through license upgrade to meet future requirements
3.	Required 900 Mbps (IMIX) IPSEC throughput upgradeable to 1.5 Gbps or higher with software license upgrade
4.	Online insertion and removal of modules
5.	Must have 10 x 1G (Dual Mode) Routed GE port. If dual mode routed Ethernet ports are not available then bidder must include 10 x 1G Copper and 5 x 1G SFP routed ports
6.	Must have at least 4 I/O or network interface modules slots
7.	Required Static, RIPv2, OSPF, and BGP
8.	Required Encapsulated Remote Switched Port Analyzer (ERSPAN)
9.	Required First Hop Redundancy Protocols
10.	Required RADIUS, authentication, authorization, and accounting (AAA)
11.	Layer 2 and Layer 3 VPN, IPSec Capabilities required.
12.	Required IPsec encryptions - DES, 3DES, AES-128, and AES-256
13.	Support Public Key infrastructure for IPsec tunnel using X.509 certificate.
14.	Required Encryption support for AES-128-GCM and AES-256-GCM, authentication support for HMAC-SHA-256, key establishment support for ECDSA-256 and ECDH-256, hashing support for SHA-256.
15.	Required 3,800 IPsec tunnels or Higher
16.	Required Link Tracking capabilities.
17.	Required MPLS Layer 2 and Layer 3 features
18.	Support Layer 2 Tunneling Protocol Version 3 (L2TPv3)
19.	Must be part of vendor SDN WAN portfolio
20.	Support SD WAN with additional license subscription
21.	Support following features Application-based Firewalling, Content filtering, Web search filtering & intrusion detection and prevention and Web caching
22.	Required Redundant Power Supplies



23.	Five (05) Years 8x5xNBD OEM Hardware Replacement and partner support at SBP Premises. In case if OEM unable to provide 8x5xNBD delivery Support in SBP premises than equivalent backup device should be provided on each site at the start of contract
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**5.3. Type-3 Routers (Qty:08)**

#	Location	Qty
1	Lahore	02
2	Islamabad	02
3	Karachi-Bolton Market	02
4	Karachi-North Nazimabad	02

#	Requirement Specifications
1.	The Required throughput/system bandwidth of the router should be minimum 190 Mbps
2.	The router should be scalable to provide up to 2Gbps throughput through license upgrade to meet future requirements
3.	Required 180 Mbps (IMIX) IPSEC throughput upgradeable to 360 Mbps or higher with software license upgrade
4.	Online insertion and removal of modules
5.	Must have 5 x 1G (Dual Mode) Routed GE port. If dual mode routed Ethernet ports are not available then bidder must include 5 x 1G Copper and 5 x 1G SFP routed ports
6.	Must have at least 4 I/O or network interface modules slots
7.	Required Static, RIPv2, OSPF, and BGP
8.	Required Encapsulated Remote Switched Port Analyzer (ERSPAN)
9.	Required First Hop Redundancy Protocols
10.	Required RADIUS, authentication, authorization, and accounting (AAA)
11.	Layer 2 and Layer 3 VPN, IPsec Capabilities required.
12.	IPSec encryptions - DES, 3DES, AES-128, and AES-256 Required
13.	Support Public Key infrastructure for IPsec tunnel using X.509 certificate.
14.	Required Encryption support for AES-128-GCM and AES-256-GCM, authentication support for HMAC-SHA-256, key establishment support for ECDSA-256 and ECDH-256, hashing support for SHA-256.
15.	Required 1,400 IPsec tunnels or Higher
16.	Required Link Tracking capabilities.
17.	Required MPLS Layer 2 and Layer 3 features
18.	Support Layer 2 Tunneling Protocol Version 3 (L2TPv3)
19.	Must be part of vendor SDN WAN portfolio
20.	Support SD WAN with additional license/subscription
21.	Support following features with add-on license: Application-based Firewalling, Content filtering, Web search filtering & intrusion detection and prevention and Web caching
22.	Five (05) Years 8x5xNBD OEM Hardware Replacement and partner support at SBP Premises. In case if OEM unable to provide 8x5xNBD delivery Support in SBP premises than equivalent backup device should be provided on each site at the start of contract



**5.4. Type-4 Routers (Qty:27)**

#	Location	Qty
1.	Quetta	2
2.	Muzaffarabad	2
3.	Sialkot	2
4.	Gujranwala	2
5.	Bahawalpur	2
6.	Rawalpindi	2
7.	DI-Khan	2
8.	Peshawar	2
9.	Faisalabad	2
10.	Multan	2
11.	Sukkur	2
12.	Karachi	3
13.	Islamabad-NIBAF	2

#	Requirement Specifications
1.	The Required throughput/system bandwidth of the router should be minimum 70 Mbps
2.	The router should be scalable to provide up to 1.2 Gbps throughput through license upgrade to meet future requirements
3.	Required 65 Mbps IPSEC throughput
4.	Must have 3 x 1G (Dual Mode) Routed GE port. If dual mode routed Ethernet ports are not available then bidder must include 3 x 1G Copper and 3 x 1G SFP routed ports
5.	Must have at least 2 I/O or network interface modules slots
6.	Required Static, RIPv2, OSPF, and BGP
7.	Required Encapsulated Remote Switched Port Analyzer (ERSPAN)
8.	Required First Hop Redundancy Protocols
9.	Required RADIUS, authentication, authorization, and accounting (AAA)
10.	Layer 2 and Layer 3 VPN, IPsec Capabilities required.
11.	IPSec encryptions - DES, 3DES, AES-128, and AES-256 Required
12.	Support Public Key infrastructure for IPsec tunnel using X.509 certificate.
13.	Required Encryption support for AES-128-GCM and AES-256-GCM, authentication support for HMAC-SHA-256, key establishment support for ECDSA-256 and ECDH-256, hashing support for SHA-256.
14.	Required Link Tracking capabilities.
15.	Required MPLS Layer 2 and Layer 3 features
16.	Support Layer 2 Tunneling Protocol Version 3 (L2TPv3)
17.	Must be part of vendor SDN WAN portfolio
18.	Support SD WAN with additional license/subscription
19.	Support following features with add-on license: Application-based Firewalling, Content filtering, Web search filtering & intrusion detection and prevention and Web caching
20.	Five (05) Years 8x5xNBD OEM Hardware Replacement and partner support at SBP Premises. In case if OEM unable to provide 8x5xNBD delivery Support in SBP premises than equivalent backup device should be provided on each site at the start of contract



*Be*

*Be*





## 6. Service Level Agreement (SLA)

### 6.1. Scope of Services:

Supplier must provide support services to run and maintain all the Hardware, Software and allied components proposed in the solution in compliance with the Service Level requirements.

The Supplier must also replace, restore, reinstall, and reconfigure any failed Hardware, Software and allied components for recovery to normal operational status at no cost to the customer.

### 6.2. Warranty, Maintenance, Technical Support and SLA

1.1.1. The bidders are required to include five (05) years OEM backed warranty with SLA for the complete solution

1.1.2. The warranty and SLA of the solution will start from the Date of Operational Acceptance of the complete system.

1.1.3. The Warranty, Maintenance and Support should be supported and registered by the OEM on the name of purchaser.

1.1.4. Provide written status and progress reports to SBP in such manner and frequency as shall be determined by SBP.

1.1.5. Perform modification and changes, including patches, updates etc. for hardware and software provided with the proposed solution.

1.1.6. During and after the warranty period (which means during the entire five (05) years period the supplier will have to provide support services as per the required SLA as mentioned below.

Severity	RED category	Orange category	Green category
<b>Criteria</b>	<p>The <b>PRODUCTION AND BACKUP</b> system(s) or their sub-system(s) is/are down, or a major solution component(s) is/are inoperative affecting many users. System(s) or sub-system(s) performance has become unacceptable.</p> <p><b>Example:</b> 1. Production and Backup system is "down" due to critical hardware or software failure. 2. System(s) or sub-system(s) performance has become unacceptable.</p>	<p>The <b>PRODUCTION OR BACKUP</b> system(s) or their sub-system(s) is/are down. The system is operating normally, but a redundant component or supporting feature has failed.</p> <p><b>Examples:</b> 1. Failure of a component of Router or complete appliance in a cluster. Failure of one of a multiple of redundant power supplies. 2. Technical issues are being faced causing interruptions to the operations or any failure in its functionality due any suspected hardware or software failure.</p>	<p>The system is available and performing adequately, however performance tuning, software or firmware patch installation or software or firmware version upgrade is required during a planned activity.</p> <p><b>Examples:</b> 1. Operational performance of the appliance / system is facing error(s), while the operations remain functional. Information or assistance is required with the supplier/manufacturer of product capabilities, installation, or configuration. 2. Preventative maintenance, upgrades, non-urgent patches, configuration changes, hardware components relocation.</p>
<b>Response Time<sup>1</sup></b>	One (01) hour	Four (04) hours	Twenty-four (24) hours
<b>Recovery Time<sup>2</sup></b>	Two (02) hours	Twenty-four (24) hours	One (01) week or agreed time

Action	Escalation to OEM for technical support via internet or phone. Troubleshoot, Rectify, Repair, Replace faulty component (s) within specified hours to restore the operations.	On-Site Technical Support on Call Basis. Escalation to OEM for technical support from OEM via internet or phone (if required).	Technical Support on Call Basis or On-Site as per requirements. Technical assistance from OEM via internet or phone.
Support Coverage	24 hrs. x 365 days	24 hrs. x 365 days	During or after Extended Business Hours including Holidays

**Response Time:** The time from logging a support call until the bidder technical team start working on solving the problem.

**Recovery Time:** The time from call logging until the problem resolution from one severity level to next severity level.

**Business Hours**

**Standard:** 9:00AM - 9:00PM, Monday to Sunday

*The selected bidder will be essentially required to provide necessary CNIC of the Project Manager, Engineers, Technicians, labors and other logistic resources etc. working within the Purchaser site during the contract period.*

*The bidders must adhere to the rules, discipline and practices of SBP, during the entire course of project.*

**6.3. Call Logging:**

1.1.7. The Supplier shall provide details about Help Desk or Customer Support contact information including details about Call Logging Procedure to ensure recording, monitoring and reporting of support calls.

1.1.8. Supplier should provide call logging through telephone in terms of Support Levels and Escalation Procedures that should be mapped to the Severity of the incidents and should also provide telephone number which will be used after Standard Business Hours.

1.1.9. Supplier shall provide details about structure of Technical Support in terms of Support Levels and Escalation Procedures that should be mapped to the Severity of the incidents.

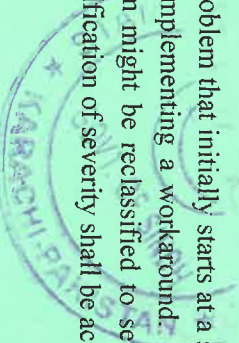
1.1.10. The Supplier shall provide onsite support, maintenance, replacement and update of BIOS, firmware, and all associated software supplied as part of solution covered under this agreement. The Supplier will provide latest version of firmware/software on Customer's request for up gradation purpose free of cost. In case of bug in Software/firmware Supplier will provide required patch and will perform patching, testing and verifying the changes with the coordination of the Supplier (if requested). Upgrade to Latest Version or patch fixing shall be free for the Customer.

1.1.11. Supplier shall submit all incident reports and quarterly summary reports for any support period as and when required.

1.1.12. Supplier shall perform all dispatch functions, including keeping the Customer informed about the status and eventual completion of replacements or repairs.

1.1.13. RED incidents should be given an escalated level of commitment from Supplier. For RED incidents, Supplier shall ask their Support Professionals to work non-standard hours, reassign critical resources from other activities, and/or ensure a Support Professional to work round-the-clock until a problem is fully resolved.

1.1.14. A problem that initially starts at a severity RED situation may be classified at severity ORANGE upon implementing a workaround. When a permanent solution is found and implemented, the problem might be reclassified to severity GREEN for monitoring before it is closed. However reclassification of severity shall be accepted and signed off by the Customer.



1.1.15. If same fault re-occurs within 48 hours, the original call will be reopened with the same log number and the Recovery Time will continue from the time that original call was re-opened. In case the faulty item or unit is required to be sent overseas for repair or replacement services then Supplier will send the faulty equipment and deliver the replacement or repaired equipment to the Customer site at its own cost to overseas for repair and replacement.

#### 6.4. Customer Sites:

#	Office	Address	
1.	SBP & SBP BSC Head Office	1. I. Chandigarh Road	Karachi
2.	SBP BSC North Nazimabad Office	North Nazimabad	Karachi
3.	SBP BSC Boulton Market Office	M.A. Jinnah Road	Karachi
4.	SBP BSC Lahore Office	Shahrah-e-Quaid-e-Azam	Lahore
5.	SBP BCP KDA	Bungalow No. P3, K.D.A Scheme No. 1.	Karachi
6.	SBP BSC Rawalpindi Office	The Mall, Rawalpindi Cantt; Near Hotel PC	Rawalpindi
7.	SBP BSC Islamabad Office	G 5/2, Ata-Turk Avenue	Islamabad
8.	SBP NIBAF Islamabad Office	Pitras Bukhari Road, Sector H-8/1	Islamabad
9.	SBP BSC Faisalabad Office	82- Civil Lines, Jinnah Road	Faisalabad
10.	SBP BSC Multan Office	LMQ road, KalmaChowk,	Multan
11.	SBP BSC Gujranwala Office	Chamber of Commerce & Industry Plaza, GT Road	Gujranwala
12.	SBP BSC Bahawalpur Office	25-C, Shabbir Shaheed Road, Model Town 'A'	Bahawalpur
13.	SBP BSC Sukkur Office	Eidgah Road	Sukkur
14.	SBP BSC Hyderabad Office	Shahrah-e-Fatima Jinnah (ThandiSarak)	Hyderabad
15.	SBP BSC Sialkot Office	Kutchery Road	Sialkot
16.	SBP BSC Peshawar Office	Saddar road, Peshawar Cantt	Peshawar
17.	SBP BSC Quetta Office	Shara-e- Abbas Ali, Quetta Cantt	Quetta
18.	SBP BSC Muzaffarabad Office	Upper Chatter Housing Sch; Near Special Communication Organization	Muzaffarabad
19.	SBP BSC D. I. Khan Office	Bungalow no. 43/1, Shami Road	D. I. Khan



## Appendix-5 Delivery & Implementation Schedule

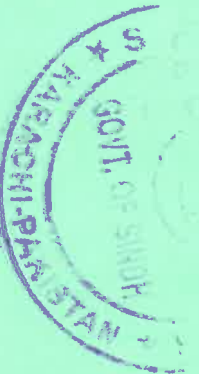
No:	GSD (PROC-1)/102884/Supply/Routers/2019
Title:	Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network
Supplier:	M/s DWP Technologies Pvt. Ltd

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery required.

The period/week will be counted from the date of Signing of Contract.

Job description	Project Schedule in Weeks
1. Delivery of the Complete Solution	14 WEEKS
2. Installations, configuration, integration and testing of the system at site(s)	13 WEEKS
3. Technical Training of 04 SBP resources	1 WEEK
4. Operational Acceptance of the Complete Solution	12 WEEKS
5. Commencement of five (05) years 24 x 7 warranty & with on-site parts, labor and technical support (SLA).	From the date of Operational Acceptance Certificate

The targeted/tentative Project Timeline is **Forty (40) Weeks** or earlier including the including the Delivery, Installation, Configuration and Integration of complete solution and **Operational Acceptance** from the date of signing of contract to the successful bidder.



## Appendix-6 Price Schedule

No: GSD (PROC-D)/102884/Supply/Routers/2019  
 Title: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network  
 Supplier: M/s DWP Technologies Pvt. Ltd

#	Description	Brand / Model	Qty	Unit Cost	Tax Rate	Amount		
			Q	C	T	Q x (C + T)		
<b>A Solution</b>								
1.	WAN Optimization/Configuration	-	-	0	13%	0		
2.	Type-1 Routers	Cisco	02	9,020,884	17%	21,108,869		
3.	Type-2 Routers	Cisco	02	3,806,550	17%	8,907,327		
4.	Type-3 Routers	Cisco	08	1,563,065	17%	14,630,288		
5.	Type-4 Routers	Cisco	27	478,309	17%	15,109,781		
<b>Total Onetime Cost of Solution(A)</b>						<b>59,756,265</b>		
<b>B Training of 04 SBP Resources</b>								
1	Training		04	1,025,100	0%	4,100,400		
<b>Total Cost of Training (B)</b>						<b>4,100,400</b>		
<b>C 5 Years SLA Cost</b>								
#	Year 1 Y1	Year 2 Y2	Year 3 Y3	Year 4 Y4	Year 5 Y5	5 Year Cost X=Y1 + Y2 + Y3+Y4+Y5	Tax Rate (T)	Total Amount Y=X+T
1.	Sindh 1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,000,000	13%	6,780,000
2.	Punjab 400,000	400,000	400,000	400,000	400,000	2,000,000	16%	2,320,000
3.	KPK 86,000	86,000	86,000	86,000	86,000	430,000	15%	494,500
4.	Balochistan 86,000	86,000	86,000	86,000	86,000	430,000	15%	494,500
5.	AJK 300,000	300,000	300,000	300,000	300,000	1,500,000	5%	1,575,000
6.	Capital 500,000	500,000	500,000	500,000	500,000	2,500,000	5%	2,625,000
<b>Total SLA Amount with tax(C)</b>						<b>14,289,000</b>		
<b>Total Amount with tax in PKR (A+B+C)</b>						<b>78,145,665</b>		



## Appendix-7 Payment Schedule

No: GSD (PROC-I)/102884/Supply/Routers/2019  
 Title: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network  
 Supplier: *M/s DWP Technologies Pvt. Ltd*

#	Description	Amount
<b>A</b>	<b>Payment for Solution</b>	
1	50% of Solution Cost after issuance of Delivery Completion Certificate for complete delivery and WAN optimization	29,878,132
2	50% of Solution Cost after issuance of Operational Acceptance Certificate of complete solution and WAN optimization	29,878,133
<b>Total Onetime Cost of Solution (A)</b>		<b>59,756,265</b>
<b>B</b>	<b>100% of Training Cost after completion of training for 04 SBP resources</b>	<b>4,100,400</b>
<b>C</b>	<b>5 Years SLA Cost</b>	
1.	1 <sup>st</sup> Year 1 <sup>st</sup> half SLA Cost	1,428,900
2.	1 <sup>st</sup> Year 2 <sup>nd</sup> half SLA Cost	1,428,900
3.	2 <sup>nd</sup> Year 1 <sup>st</sup> half SLA Cost	1,428,900
4.	2 <sup>nd</sup> Year 2 <sup>nd</sup> half SLA Cost	1,428,900
5.	3 <sup>rd</sup> Year 1 <sup>st</sup> half SLA Cost	1,428,900
6.	3 <sup>rd</sup> Year 2 <sup>nd</sup> half SLA Cost	1,428,900
7.	4 <sup>th</sup> Year 1 <sup>st</sup> half SLA Cost	1,428,900
8.	4 <sup>th</sup> Year 2 <sup>nd</sup> half SLA Cost	1,428,900
9.	5 <sup>th</sup> Year 1 <sup>st</sup> half SLA Cost	1,428,900
10.	5 <sup>th</sup> Year 2 <sup>nd</sup> half SLA Cost	1,428,900
<b>Total SLA Amount with tax(C)</b>		<b>14,289,000</b>
<b>Total Amount with tax in PKR (A+B+C)</b>		<b>78,145,665</b>

*(Handwritten Signature)*

*(Handwritten Signature)*



## Appendix-8 Supplier Account Form (S2)



STATE BANK OF PAKISTAN  
Finance Department  
Supplier Bank Account Details Form

S-2

1. For OFFICE use: (Please Check)			
Office: <input type="checkbox"/> SBPP <input type="checkbox"/> BSC <input type="checkbox"/>	Department: <u>General Services Department</u>		
Create New Supplier: <input type="checkbox"/>	Create New Site: <input type="checkbox"/>		
Update Supplier Info: <input type="checkbox"/>	Supplier Number: _____		
2. Supplier Information			
Supplier Name	DWP Technologies (Pvt.) Ltd.		
Supplier NTN	1547417-8 (9 digits)		
CNIC No.	- (15 digit) If NTN Not available		
Supplier Address	11, Feroz Road, Mardan, Chamer, Muzir, Muzir Road		
Supplier City	KARACHI		
Contact No.	111-0255-006		
E-mail Address	wassem_sher@dwp.com.pk		Fax No. 021-92444248
3. Bank Account Information			
Bank Name	JS Bank LTD		
Branch Name	MM Alam Road		
Branch Address	5- ZAKAR ALI ROAD GURBURG-5, KARACHI.		
Account No. (IBAN)	PK 84 JS 6195160000003494	Branch Type	Commercial <input checked="" type="checkbox"/> Islamic <input type="checkbox"/>
Branch License No.	BR L 20655		
Account No. (17 digits)	84 JS 619516000000349498	Account Type:	CURRENT
Title of Account	DWP Technologies (Pvt) LTD		
(Signature & Stamp of Supplier)			
For Office Use			
Forwarded By:	Verified By:	Entered By:	Approved By:
		Date:	

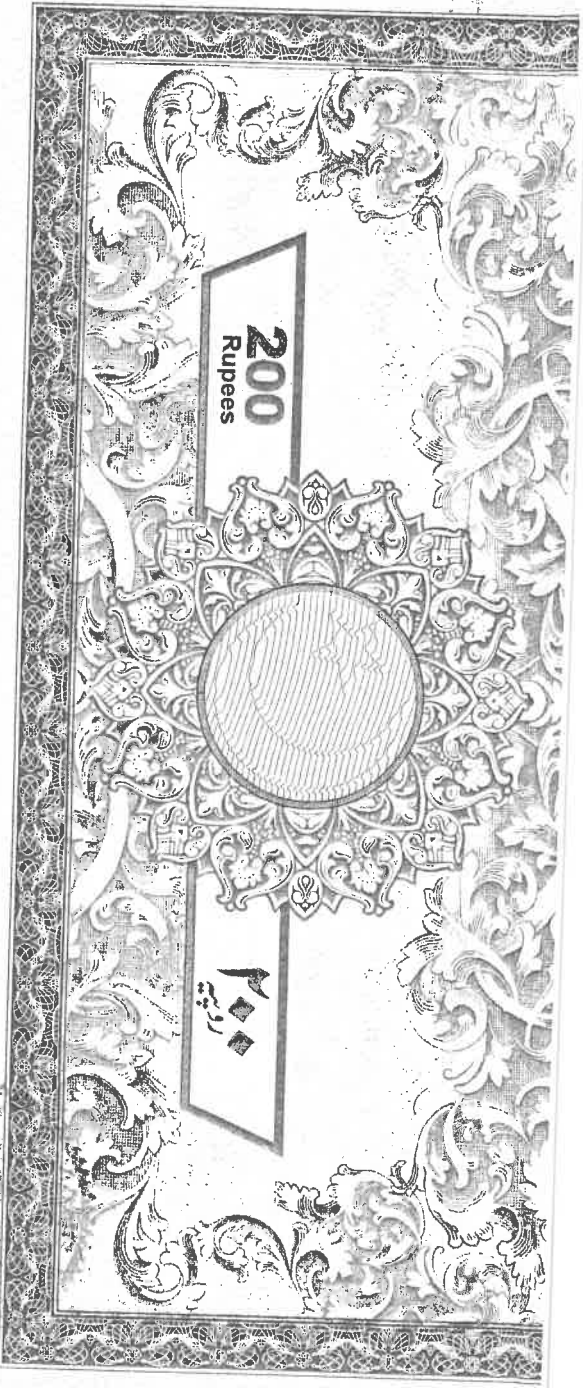
Note:

- Information without complete Bank Account Details & NTN/ CNIC will not be accepted.
- All Payments will be made to suppliers through Bank Account.
- Any change in Bank Account should be conveyed immediately to SBP. Otherwise SBP will not be responsible for credit into wrong account of supplier due to change in bank account details.



*W*





Bank Guarantee

Bank Guarantee :BAH/0007/215/2019

Date of Issue :13.12.2019 (13<sup>th</sup> day of December, Two Thousand Nineteen)

Date of Expiry :12.10.2025 (12<sup>th</sup> day of October, Two Thousand Twenty Five)

Amount :PKR 3,907,283/- (Pak Rupees Three Million Nine Hundred Seven Thousand Two

Contract No. Hundred Eighty Three Only)

Title :GSD (PROC-I)/102884/Supply/Routers/2019

Supplier: :Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network

Name of Guarantor :M/S DWP Technologies (Pvt) Ltd.

:M/S Bank AL Habib Limited, New Garden Town Branch, Lahore.

To: Director

General Services Department

State Bank of Pakistan – BSC (HOK)

4th Floor BSC House, I.I Chundrigar Road, Karachi -Pakistan

WHEREAS *M/s DWP Technologies Pvt. Ltd*(hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. GSD (PROC-I)/102884/Supply/Routers/2019[reference number of the contract] to "Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network" (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of Rs. 3,907,283/- (Three Million Nine Hundred Seven Thousand Two Hundred Eighty Three Only) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of Rs.3,907,283/- (Three Million Nine Hundred Seven Thousand Two Hundred Eighty Three Only)as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the 12<sup>th</sup> day of October 2025.

For Bank AL Habib Limited  
New Garden Town Branch, Lahore.

AUTHORIZED SIGNATURE



AUTHORIZED SIGNATURE

AUTHORIZED SIGNATURE

NOTARY PUBLIC  
District Court Lahore  
(JHO) 5-12-07

3907283



**Appendix -9 Performance Security (Bank Guarantee)**

No:	GSD (PROC-D)/102884/Supply/Routers/2019
Title:	Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network
Supplier:	M/s DWP Technologies Pvt. Ltd

Date: \_\_\_\_\_

No. \_\_\_\_\_

Amount: \_\_\_\_\_

Validity: \_\_\_\_\_

To:

Director  
 General Services Department  
 State Bank of Pakistan – BSC (HOK)  
 4th Floor BSC House, I.I Chundrigar Road,  
 Karachi -Pakistan

WHEREAS *M/s DWP Technologies Pvt. Ltd*(hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No. **GSD (PROC-D)/102884/Supply/Routers/2019**[*reference number of the contract*] to “**Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network**” (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier’s performance obligations in accordance with the Contract

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *amount of the guarantee in words and figures*, and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *amount of guarantee* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

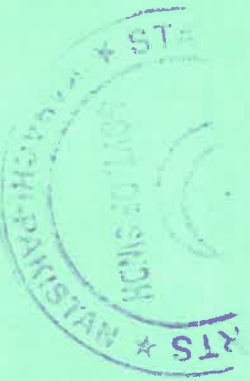
This guarantee is valid until the \_\_\_\_\_ day of \_\_\_\_\_ 201\_\_.

Signature and seal of the Guarantors

\_\_\_\_\_  
*[name of bank or financial institution]*

\_\_\_\_\_  
*[address]*





## Appendix -10 Integrity Pact

STATE BANK OF PAKISTAN



**Declaration of Fees, Commissions and Brokerage etc  
Payable by the Suppliers of Goods, Services & Works  
Integrity Pact pursuant to Rule 7 Public Procurement Rules 2004**

No: GSD (PROC-I)/102884/Supply/Routers/2019

Title: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network

Supplier: M/s DWP Technologies Pvt Ltd

M/s DWP Technologies Pvt. Ltd hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing, M/s DWP Technologies Pvt. Ltd represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

M/s DWP Technologies Pvt. Ltd certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

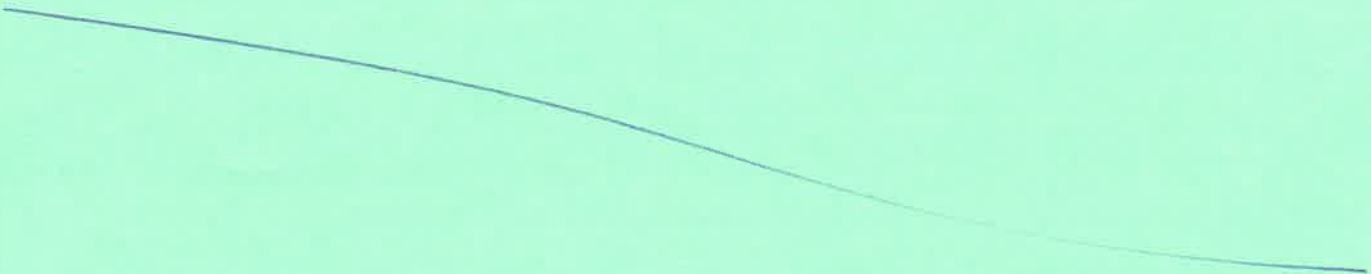
M/s DWP Technologies Pvt. Ltd accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, M/s DWP Technologies Pvt. Ltd agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by M/s DWP Technologies Pvt. Ltd as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.



## Appendix - 11 Sample Forms of the Contract Agreement

- I. Sample Approval Certificate
- II. Delivery Confirmation Certificate
- III. Installation Certificate Form
- IV. Operational Acceptance Certificate Form



## I. Sample Approval Certificate (Not Required)

Date: [insert: date]  
IPB: GSD (PROC-I)/102884/Supply/Routers/2019  
Contract: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network

To:

*[insert: name and address of Supplier]*

Dear Sir or Madam:

Pursuant to Contract entered into between *M/s DWP Technologies Pvt. Ltd and State Bank of Pakistan*(hereinafter the "Bank") dated *[insert: date of Contract]*, relating to the "Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network", we hereby notify you that the sample of Goods (or parts) have been approved for delivery and installation on the date specified below.

1. Description of the Sample of Goods (or relevant or parts or major component thereof): "Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network"
2. Date of Sample Verification: *[insert: date]*

Notwithstanding the above, you are required to complete the delivery of outstanding items listed in Contract Agreement as per sample approved. This letter shall not relieve you of your obligation to deliver, install, configure, integrate (as applicable) and achieve Operational Acceptance of the entire System (if applicable) in accordance with the Contract nor of your obligations during the Warranty Period.

For and on behalf of the Bank

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

in the capacity of: Director ITTD or nominee thereof



## II. Delivery Confirmation Certificate

Date: [insert: date]

IFB: GSD (PROC-I)/102884/Supply/Routers/2019

Contract: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network

To:

[insert: name and address of Supplier]

Dear Sir or Madam:

Pursuant to Contract entered into between *M/s DHP Technologies Pvt. Ltd* and *State Bank of Pakistan*(hereinafter the "Bank") dated [insert: date of Contract], relating to the "*Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network*", we hereby notify you that the Goods (or parts or major component thereof) was deemed to have been delivered on the date specified below as per the technical requirement of the bidding documents.

1. Description of the Goods (or relevant or parts or major component thereof): "*Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network*"
2. Date of Delivery: [insert: date]

Notwithstanding the above, you are required to complete the outstanding items listed in Contract Agreement as soon as practicable. This letter shall not relieve you of your obligation to install, configure, integrate (as applicable) and achieve Operational Acceptance of the entire System (if applicable) in accordance with the Contract nor of your obligations during the Warranty Period.

For and on behalf of the Bank

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

in the capacity of: Director ITD or nominee thereof



### III. Installation Certificate Form

Date: [insert: date]IFB: GSD (PROC-D)/102884/Supply/Routers/2019Contract: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network

To:

[insert: name and address of Supplier]

Dear Sir or Madam:

Pursuant to Contract entered into between *M/s DWP Technologies Pvt. Ltd and State Bank of Pakistan* (hereinafter the "Bank") dated [insert: date of Contract], relating to the "Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network", we hereby notify you that the System (or a Subsystem or major component thereof) was deemed to have been correctly installed on the date specified below.

1. Description of the System (or relevant Subsystem or major component: "Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network"
2. Date of Installation: [insert: date]

Notwithstanding the above, you are required to complete the outstanding items listed in the attachment to this certificate as soon as practicable. This letter shall not relieve you of your obligation to achieve Operational Acceptance of the System in accordance with the Contract nor of your obligations during the Warranty Period.

For and on behalf of the Bank

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

in the capacity of: Director ITD or nominee thereof



## IV. Operational Acceptance Certificate Form

Date: [insert: date]

IFB: GSD (PROC-I)/102884/Supply/Routers/2019

Contract: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network

To:

*[insert: name and address of Supplier]*

Dear Sir or Madam:

Pursuant to Contract entered into between *M/s DWP Technologies Pvt. Ltd and State Bank of Pakistan*(hereinafter the "Bank") dated *[insert: date of Contract]*, relating to the "*Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network*", we hereby notify you the System (or the Subsystem or major component identified below) successfully completed the Operational Acceptance Tests specified in the Contract. In accordance with the terms of the Contract, the Bank hereby takes over the System (or the Subsystem or major component identified below), together with the responsibility for care and custody and the risk of loss thereof on the date mentioned below.

1. Description of the System (or Subsystem or major component): "*Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network*"
2. Date of Operational Acceptance: *[insert: date]*

This letter shall not relieve you of your remaining performance obligations under the Contract nor of your obligations during the Warranty Period.

For and on behalf of the Bank



Signed: \_\_\_\_\_

Date: \_\_\_\_\_

in the capacity of: Director ITTD or nominee thereof




**Appendix-12. The Supplier's Bid**

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*Ali*





**EVALUATION REPORT**  
(As Per Rule 35 of PP Rules, 2004)

1. Name of Procuring Agency: State Bank of Pakistan
2. Method of Procurement: Rule 36 (b) of PPR 2004
3. Title of Procurement: Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network
4. Tender Inquiry No.: GSD (PROC-I)/102884/Supply/Routers/2019
5. PPRA Ref. No. (TSE): TS396221E
6. Date & Time of Bid Closing: 20-08-2019 – 11:00AM
7. Date & Time of Bid Opening: 20-08-2019 – 11:30AM
8. No of Bids Received: 04 (Four)
9. Criteria for Bid Evaluation: Compliance Based
10. Details of Bid(s) Evaluation:

#	Bidder	Minimum Eligibility / Qualification	Technical Requirement	Bid Price (PKR)	Evaluated Bid Amount* (PKR)	Remarks
1	M/s DWP Technologies Pvt Ltd	Compliant	Compliant	78,678,721	78,145,665	<b>Eligible &amp; Lowest Evaluated Bid</b>
2	M/s Wateen Solutions Pvt Ltd	Compliant	Compliant	80,154,717	80,154,730	Eligible
3	M/s Arwen Tech Pvt Ltd	Compliant	Compliant	96,029,454	95,461,601	Eligible
4	M/s CNS Engineering	Compliant	Compliant	104,861,759	-	Bid rejected due to insufficient bid security

\*After correction of applicable tax rates

**Lowest Evaluated Bidder:** M/s DWP Technologies Pvt Ltd

11. Any other additional / supporting information, the procuring agency may like to share.

Signature: .....



Official Stamp: .....



## **Qualification Criteria of Supply, Installation, Integration, Maintenance and Support of Intranet Routers and WAN optimization of SBP Network**

- a) Bidder must be Original Equipment Manufacturer (OEM) or OEM's Authorized Agent/Partner having valid authorized Agent / Partner certificate for last 03 (three) consecutive years;*
- b) Bidder must be authorized by their OEM specifically for this procurement;*
- c) Bidder must have experience of at least 03 (three) similar assignments of supply and installation of Routers of same OEM during last 05 (five) years;*
- d) Bidder must have technical strength of at least 03 (three) technical resources certified by OEM;*
- e) Bidder must have Annual Sales volume/Gross Turnover of at least Rs.150 million in any of the last 03 (three) years;*
- f) Bidder must have support/branch office in Karachi, Lahore and Islamabad/Rawalpindi;*
- g) Bidder must be registered with Income Tax and Sales Tax Department and must appear on the Active Tax Payers List of FBR.*