

Standard Bidding Documents

For

**Procurement of IT Equipment & Hardware
for FATA TDP-ERP
NCB/TDP-ITH/93
National Competitive Bidding**

Procurement of Goods

PART TWO (PROCUREMENT SPECIFIC PROVISIONS)

**National Database & Registration Authority (NADRA)
G-5/2, Islamabad
Pakistan**

PROCUREMENT DOCUMENTS
Bidding Document for
Procurement of Goods

Procurement of IT Equipment & Hardware for FATA TDP-ERP
NCB No: NADRA-TA/93/ITH/19

Project: FATA Temporarily Displaced Persons Emergency Recovery
Project

Purchaser: National Database & Registration Authority (NADRA),
Islamabad

Country: Pakistan

Issued on: September 05, 2019

Bid Submission & Opening on: October 08, 2019

Table of Contents - Part Two

SECTION I. INVITATION FOR BIDS 2

SECTION II. BID DATA SHEET..... 2

SECTION III. SPECIAL CONDITIONS OF CONTRACT..... 11

TABLE OF CLAUSES..... 11

SECTION IV. SCHEDULE OF REQUIREMENTS..... 19

SECTION V. TECHNICAL SPECIFICATIONS..... 21

SECTION VI. SAMPLE FORMS..... 46

SAMPLE FORMS 46

1. Bid Form and Price Schedules..... 47

2. Bid Security Form 50

3. Contract Form..... 51

4. Performance Security Form..... 52

5. Bank Guarantee for Advance Payment 53

6. Manufacturer’s Authorization Form..... 54

**SECTION VII. ELIGIBILITY FOR THE PROVISION OF GOODS, WORKS, AND SERVICES
IN BANK-FINANCED PROCUREMENT 55**

SECTION VIII - FRAUD AND CORRUPTION.....31

Part Two

Section I. Invitation for Bids

Invitation for Bids (NCB)

Procurement of IT Equipment & Hardware for FATA TDP-ERP

Date: 5th September 2019

Credit No: 61390-PK

IFB NO: NCB/TDP-ITH/93

1. The Government of Pakistan has received a credit from the International Development Association (IDA) towards the cost of FATA Temporarily Displaced Persons Emergency Recovery Project. It is intended that part of the proceeds of this credit will be applied to eligible payments under the contract for of Procurement of IT Equipment & Hardware for FATA TDP-ERP.

2. The National Database & Registration Authority (NADRA) now invites sealed bids from eligible bidders for the supply of IT Equipment & Hardware for FATA TDP-ERP as follows:-

Name of Item & LOT No.	Quantity	Name of Item & LOT No.	Quantity	Qualification requirements include for LOTS 1 to 11
LOT 1 – Server	01 No	LOT 2 - Storage	01 No	i. Valid Documentary evidence must be attached with the bids that interested bidders must either is Principal or an authorized partner of Principal. ii. Having last three (03) years of experience in deploying quoted / proposed Solution / technology/equipment in at least three (03) organizations (nationally). Must have previously completed supply against 03 x purchase orders/contracts of similar worth. (Attach valid copies of at least 03 x purchase orders/contracts of similar worth). iii. Audited financial statements of last three (03) financial years. (Must be attached with the Bids).
LOT 3 - Laptops	168	LOT 4 – PC All in One	100	
LOT 5 - Laser Printer (Multifunctional) with 2 x additional toners	154 with 308 tonners	LOT 6 – Generators 15 KVA	12	
LOT 7 – UPS 3 KVA + Add Battery Pack	27 No	LOT 8 - Satellite Link	12 No	
LOT 9 - CCTV/IP Camera, per site Full Solution	27 No	LOT 10 – Camera with Table Top Tripod	90 No	
LOT 11 – Queue Management System Full Solution			27 No	

				<p>iv. The bidders must have verifiable presence in Pakistan. Bidder has active Spare Parts Depot/ facility in Pakistan. (Provide addresses, phone, fax numbers, e-mail address as well as names and designations of responsible persons for each location.)</p> <p>v. The Local bidder(s) must submit National Tax No. and Sales Tax No. Certificates. . Bidders must be on the active taxpayers list (Income & Sales Tax) at FBR.</p>
Name of Item & LOT No.	Quantity	Name of Item & LOT No.	Quantity	Qualification requirements include for LOTS 12 to 20
LOT 12 - Biometric Thumb Digitizers (morpho or equivalent)	83 No	LOT 13 - Biometric Thumb Digitizers (e-saulat)	77 No	i. Valid Documentary evidence must be attached with the bids that interested bidders must either is Principal or an authorized partner of Principal.
LOT 14 - Barcode Reader	30 No	LOT 15 - LCD Screen	86 No	ii. Having last three (03) years of experience in the supply of similar items of similar worth in at least three (03) organizations (nationally). Valid Copies of 03 x previous completed purchase orders/contracts must be attached with the bids.
LOT 16 - IP Phone	15 No	LOT 17 - Switch 24 port	30 No	
LOT 18 - AC (Split 1.5 Ton)	54 No	LOT 19 - LED TV - 43''	12 No	
LOT 20 - Thermal Printers			27 No.	<p>ii. The bidders must have verifiable presence in Pakistan. Bidders must have active Spare Parts Depot/ facility in Pakistan. (Provide addresses, phone, fax numbers, e-mail address as well as names and designations of responsible persons for each location.).</p> <p>iii. The Local bidder(s) must submit National Tax No. and Sales Tax No. Certificates.</p>

	Bidders must be on the active taxpayers list (Income & Sales Tax) at FBR.
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3. Bidding will be conducted through the National Competitive Bidding (NCB) procedures as specified in the World Bank’s Procurement Regulations for IPF Borrowers : PROCUREMENT IN INVESTMENT PROJECT FINANCING Goods, Works, Non-Consulting and Consulting Services July 2016, Revised November 2017 and August 2018 (“Procurement Regulations”), and is open to all eligible bidders as defined in the Procurement Regulations. In addition, please refer to paragraphs 3.14 and 3.15 setting forth the World Bank’s policy on conflict of interest.

4. Interested eligible bidders may obtain further information from National Database & Registration Authority (NADRA), Procurement Specialist, FATA TDP-ERP, tdp@nadra.gov.pk and inspect the bidding documents during office hours 0930 to 1630 hours at the address given below.

5. A complete set of bidding documents in English may be purchased by interested bidders on the submission of a written application to the address given below and upon payment of a nonrefundable fee of PKR 1,000/- or equivalent amount in USD in favor of “**National Database & Registration Authority (NADRA) TDP-ERP, Islamabad**”. The method of payment will be demand draft/pay order. The document will be sent by air mail/courier on payment of an extra amount of PKR.1, 000/- or equivalent amount in USD and may also be collected in person. Bidding documents can be seen at <http://fatatdp.nadra.gov.pk/downloads/>.

6. The provisions in the Instructions to Bidders and in the General Conditions of Contract are the provisions of the World Bank *Standard Bidding Documents: Procurement of Goods for National Competitive Bidding, Pakistan, Part One*.

7. Bids must be delivered to the address given below on or before 2.30 p.m. on 8th October 2019 and must be accompanied by a security of Bid Security of 2% of the total bid value or an equivalent amount must be in the form of Pay orders/ Bank Guarantee / demand drafts in a freely convertible currency.

8. Bids will be publicly opened in the presence of bidders’ representatives and anyone who choose to attend at 3.00 p.m. on 8th October 2019 at the address given below. Electronic bidding will not be permitted. Late bids will be rejected. Pre-bid meeting will be held on 24th September 2019 at 2.30 p.m. at the address given below.

9. The bidders are requested to give their best and final prices as no negotiations are expected.

10. The address (es) referred to above (are):

Procurement Specialist

FATA Temporarily Displaced Persons Emergency Recovery Project

3rd Floor, G-10 Project Office, Regional Head Office (RHO), Mauve Area, G-10/4,
National Database & Registration Authority (NADRA),
Islamabad, 44000, Pakistan.

Tel: +92-51-9039-2255

Fax: +92-51-9108352

E-mail: tdp@nadra.gov.pk

Website:<http://fatatdp.nadra.gov.pk>

Section II. Bid Data Sheet

Bid Data Sheet

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB) Part One. Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

Introduction	
ITB 1.1	Name of Borrower: Government of Pakistan
ITB 1.1	Credit number: 61390-PK
ITB 1.1	Name of Project: FATA Temporarily Displaced Persons Emergency Recovery Project
ITB 1.1	The name and identification number of the NCB are: Procurement of IT Equipment & Hardware for FATA TDP-ERP NCB No: NADRA-TA/93/ITH/19
ITB 4.1	Name of Purchaser: National Database & Registration Authority (NADRA), Islamabad.
ITB 6.1	For Clarification of bid purposes only, the Purchaser's address is: Attention: Mr. Rizwan Khalid Procurement Specialist FATA TDP-ERP Address : 3rdFloor, G-10 Project Office, Regional Head Office (RHO) Mauve Area, G-10/4, National Database & Registration Authority (NADRA) City: Islamabad ZIP Code: 44000 Country: : Pakistan Telephone: +92-51-9039-2255 Facsimile number: +92-51-9108352 Electronic mail address: tdp@nadra.gov.pk Requests for clarification should be received by the Employer no later than: 15 days after advertisement
ITB 8.1	The language of the bid is: English All correspondence exchange shall be in English language.

Bid Price and Currency	
ITB 11.2	<p>The price quoted shall be delivered duty paid (DDP) prices.</p> <p>The prices of incidental services as referred below must be quoted in addition to delivered duty paid (DDP) prices for the LOT No. 6, 9 & 11 only.</p> <p>LOT 6 (12 Sites):- Delivery on site, Site Preparation including civil and electrical work for Generators, Installation and Commissioning Services for Generators, Local Trainings (Generator) Level 1: Site Engineers, Level 2: Technical and Operational Staff on turnkey bases for the following agencies of ex-FATA (Tribal Districts): North Waziristan, South Waziristan, Khyber, Kurram ,Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty.</p> <p>LOT 9 (26 Sites):- Delivery on site, Site Preparation including civil and electrical work for CCTV/IP Camera, per site Full Solution, Installation and Commissioning Services for CCTV/IP Camera, per site Full Solution on turnkey bases for the following agencies of ex-FATA (Tribal Districts): North Waziristan, South Waziristan, Khyber, Kurram ,Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty.</p> <p>LOT 11 (26 Sites) Delivery on site, Site Preparation including civil and electrical work for Queue Management System Full Solution Generators, Installation and Commissioning Services for Queue Management System Full Solution on turnkey bases for the following agencies of ex-FATA (Tribal Districts): North Waziristan, South Waziristan, Khyber, Kurram ,Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty.</p> <p style="text-align: center;">Section IV. Schedule of Requirements</p>
ITB 11.5	The prices shall be fixed.
ITB 12.1	<p>The prices shall be quoted by the bidder in: Pak Rupees (PKR.)</p> <p>All payments shall be made only in local currency i.e. PKR.</p>

Preparation and Submission of Bids	
ITB 13.3 (d)	<p>Qualification requirements.</p> <p>LOT No. 1 to LOT No. 11:-</p> <p>i. Documentary evidence that interested bidders must either is Principal or an authorized partner of Principal.(The bidder(s) if not manufacturer itself, must submit manufacturer's authorization on the format provided in Section VI of the bidding documents with the bid for the quoted item they shall offer in their bid, on manufacturer's letterhead duly signed and stamped within the period of this bidding. <u>A general authorization letter/certificate shall not be entertained</u>).</p> <p>ii. Having last three (03) years of experience in deploying quoted / proposed Solution / technology/equipment in at least three (03) organizations (nationally).). Must have previously completed supply against 03 x purchase orders/contracts of similar worth. (Attach valid copies of at least 03 x purchase orders/contracts of similar worth).Provide documentary evidence with the Bid.</p> <p>iii. Catalog/brouchers of the quoted IT Equipment & Hardware must be attached with the bid.</p> <p>iv. The bidder(s) must submit National Tax No. and Sales Tax No. Certificates. Bidders must be on the active taxpayers list (Income & Sales Tax) at FBR. (In case of Local Bidder).</p> <p>v. The bidders must have verifiable presence in Pakistan. Bidders must have active Spare Parts Depot/ facility in Pakistan. (Provide addresses, phone, fax numbers, e-mail address as well as names and designations of responsible persons for each location.).</p> <p>vi. Bidder has annual turnover of 1.5 times of bid price in last three (03) years. Provide Audited financial statements of last three (03) financial years. Financial statement / documentary evidence required.</p> <p>LOT No. 12 to LOT No. 20:-</p> <p>i. Documentary evidence that interested bidders must either is Principal or an authorized partner of Principal.(The bidder(s) if not manufacturer itself, must submit manufacturer's authorization on the format provided in</p>

	<p>Section VI of the bidding documents with the bid for the quoted item they shall offer in their bid, on manufacturer’s letterhead duly signed and stamped within the period of this bidding. <u>A general authorization letter/certificate shall not be entertained).</u></p> <p>ii. Having last three (03) years of experience in the supply of similar items of similar worth in at least three (03) organizations (nationally).Valid Copies of 03 x previous completed purchase orders/contracts must be attached with the bids.</p> <p>ii. Catalog/brouchers of the quoted IT Equipment & Hardware must be attached with the bid.</p> <p>iii. The bidder(s) must submit National Tax No. and Sales Tax No. Certificates. Bidders must be on the active taxpayers list (Income & Sales Tax) at FBR. (In case of Local Bidder).</p> <p>iv. The bidders must have verifiable presence in Pakistan. Bidders must have active Spare Parts Depot/ facility in Pakistan. (Provide addresses, phone, fax numbers, e-mail address as well as names and designations of responsible persons for each location.).</p>
<p>ITB 15.1</p>	<p>A <i>Bid Security shall be</i> required.</p> <p>The amount and currency of the bid security shall be 2% of the total bid value in the currency of bid.</p> <p>The bid security shall, at the Bidder’s option, be –</p> <ul style="list-style-type: none"> i) in the form of a bank guarantee and the named beneficiary shall be “ National Database & Registration Authority (NADRA) TDP-ERP, Islamabad ”. The bank guarantee shall be issued by a bank located in the country of the Purchaser (Nationalized or Scheduled Bank in Pakistan) or by a foreign bank through a correspondent Bank located in the country of the Purchaser (Nationalized or Scheduled Bank in Pakistan), to make it enforceable. The bank guarantee shall be in the format provided in the Bidding documents. ii) in the form of a demand draft/pay order from Nationalized or Scheduled Bank in Pakistan in favor of “ National Database & Registration Authority (NADRA) TDP-ERP, Islamabad”
<p>ITB 16.1</p>	<p>Bid validity period:</p>

	The period of Bid validity shall be 90 (Ninety) days after the deadline for Bid submission specified in the BDS.
ITB 17.1	The number of copies of the Bid to be completed and submitted shall be: 1 Original + 1 Copy
ITB 18.2 (a)	The Purchaser's address for the purpose of Bid submission is: Attention: Mr. Rizwan Khalid Procurement Specialist FATA TDP-ERP Address : 3rd Floor, G-10 Project Office, Regional Head Office (RHO) Mauve Area, G-10/4,, National Database & Registration Authority (NADRA) City: Islamabad ZIP Code: 44000 Country: : Pakistan Telephone: +92-51-9039-2255 Facsimile number: +92-51-9108352
ITB 18.2 (b)	IFB title and number: Procurement of IT Equipment & Hardware for FATA TDP-ERP NCB/TDP-ITH/93
ITB 19.1	The deadline for submission of bids shall be: Time: Up to 2.30 p.m. (local time) Date: 8th October 2019
ITB 22.1	Bids will be opened at 3.00 p.m. (local time) of the day 8th October 2019 at the following address: National Database & Registration Authority (NADRA) , Conference Room, 3rd Floor, G-10 Project Office, Regional Head Office (RHO) Mauve Area, G-10/4, Islamabad, Pakistan

Bid Evaluation

ITB 25.3	Evaluation will be done for complete 100% required quantity & Delivered Duty Paid (DDP) Price basis i.e. inclusive of all costs.
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Contract Award

ITB 29.1	The maximum percentage by which quantities may be increased is: 15% The maximum percentage by which quantities may be decreased is: 15%
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Section III. Special Conditions of Contract

Table of Clauses

1. <i>DEFINITIONS (GCC CLAUSE 1)</i>	12
2. <i>COUNTRY OF ORIGIN (GCC CLAUSE 3)</i>	12
3. <i>PERFORMANCE SECURITY (GCC CLAUSE 7)</i>	12
4. <i>INSPECTIONS AND TESTS (GCC CLAUSE 8)</i>	12
5. <i>PACKING (GCC CLAUSE 9)</i>	12
6. <i>DELIVERY AND DOCUMENTS (GCC CLAUSE 10)</i>	13
7. <i>INSURANCE (GCC CLAUSE 11)</i>	13
8. <i>INCIDENTAL SERVICES (GCC CLAUSE 13)</i>	13
9. <i>SPARE PARTS (GCC CLAUSE 14)</i>	14
10. <i>WARRANTY (GCC CLAUSE 15)</i>	14
11. <i>PAYMENT (GCC CLAUSE 16)</i>	15
12. <i>PRICES (GCC CLAUSE 17)</i>	16
13. <i>LIQUIDATED DAMAGES (GCC CLAUSE 23)</i>	16
14. <i>RESOLUTION OF DISPUTES (GCC CLAUSE 28)</i>	16
15. <i>GOVERNING LANGUAGE (GCC CLAUSE 29)</i>	16
16. <i>NOTICES (GCC CLAUSE 31)</i>	16

Special Conditions of Contract

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.

1. Definitions (GCC Clause 1)

GCC 1.1 (g)—The Purchaser is: **National Database & Registration Authority (NADRA), Islamabad.**

GCC 1.1 (h)—The Purchaser's country is: **Pakistan**

GCC 1.1 (j)—The Project Site is: **As specified in Section IV. Schedule of Requirements.**

2. Country of Origin (GCC Clause 3)

All countries and territories as indicated in Part Two Section VII of the bidding documents, "Eligibility for the Provisions of Goods, Works, and Services in Bank-Financed Procurement".

3. Performance Security (GCC Clause 7)

GCC 7.1—The amount of performance security, as a percentage of the Contract Price, shall be: **(10) percent of the Contract Price, in shape of unconditional & irrevocable Bank Guarantee as per the format provided with the Bid Document from any scheduled Bank of Pakistan.**

GCC 7.4—After delivery and acceptance of the Goods, the performance security shall be released.

4. Inspections and Tests (GCC Clause 8)

GCC 8.1—Inspection and tests prior to shipment of Goods and at final acceptance are as follows:

The Purchaser or its representative shall inspect and/or test the supplies before shipment at bidders' location and/or at the destination to confirm their conformity to the Contract specifications at no extra cost to the Purchaser.

5. Packing (GCC Clause 9)

GCC 9.2— Packing Instructions: The Supplier will be required to make separate packages for each LOT. Each package will be typed or written in indelible ink with the following:

- (i) Project:
- (ii) Contract No & Lot No:
- (iii) Country of Origin of Goods:
- (iv) Supplier's Name:
- (v) Packing List:.

6. Delivery and Documents (GCC Clause 10)

GCC 10.3—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 Supplier shall mail the following documents to the Purchaser:

- (i) copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) original and two copies of the usual transport document (for example, a negotiable bill of lading, a non-negotiable sea waybill, an inland waterway document, an air waybill, a railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;
- (iii) copies of the packing list identifying contents of each package;
- (iv) Manufacturer's or Supplier's warranty certificate;

7. Insurance (GCC Clause 11)

GCC 11.1— The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers responsibility.

8. Incidental Services (GCC Clause 13)

GCC 13.1—Incidental services to be provided are:

LOT 6 (12 Sites):- Delivery on site, Site Preparation including civil and electrical work for Generators, Installation and Commissioning Services for Generators, Local Trainings (Generator) Level 1: Site Engineers, Level 2: Technical and Operational Staff on turnkey bases for the following agencies of ex-FATA (Tribal Districts): North Waziristan, South Waziristan, Khyber, Kurram ,Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty.

LOT 9 (26 Sites):- Delivery on site, Site Preparation including civil and electrical work for CCTV/IP Camera, per site Full Solution, Installation and Commissioning Services for CCTV/IP Camera, per site

Full Solution on turnkey bases for the following agencies of ex-FATA (Tribal Districts): North Waziristan, South Waziristan, Khyber, Kurram ,Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty.

LOT 11 (26 Sites):- Delivery on site, Site Preparation including civil and electrical work for Queue Management System Full Solution Generators, Installation and Commissioning Services for Queue Management System Full Solution on turnkey bases for the following agencies of ex-FATA (Tribal Districts): North Waziristan, South Waziristan, Khyber, Kurram ,Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty.

9. Spare Parts (GCC Clause 14)

NA

10. Warranty (GCC Clause 15)

GCC 15.2—In partial modification of the provisions, standard warranty period shall be applied from date of acceptance of the Goods LOTWISE As follows:-

S.No.	Description	Warranty
1.	LOT 1 – Server	03 Years parts, labor.
2.	LOT 2 - Storage	3 years (24x7) onsite.
3.	LOT 3 - Laptops	02 Years onsite, parts, labor.
4.	LOT 4 – PC All in One	02 Years onsite, parts, labor.
5.	LOT 5 - Laser Printer (Multifunctional) with 2 x additional toners	02 Years onsite, parts, labor.
6.	LOT 6 – Generators 15 KVA	01 Year onsite, parts, labor.
7.	LOT 7 – UPS 3 KVA + Add Battery Pack	01 Year

8.	LOT 8 - Satellite Link	01 Year
9.	LOT 9 - CCTV/IP Camera, per site Full Solution	01 Year onsite, parts, labor.
10.	LOT 10 – Camera with Table Top Tripod	01 Year
11.	LOT 11 – Queue Management System Full Solution	01 Year onsite, parts, labor.
12.	LOT 12 - Biometric Thumb Digitizers (morpho or equivalent)	Standard
13.	LOT 13 - Biometric Thumb Digitizers (e-sahulat)	Standard
14.	LOT 14 - Barcode Reader	01 Year
15.	LOT 15 – LCD Screen	01 Year
16.	LOT 16 – IP Phone	01 Year
17.	LOT 17 – Switch 24 port	Standard
18.	LOT 18 – AC (Split 1.5 Ton)	03 Years on site
19.	LOT 19 – LED TV - 43’’	01 Year
20.	LOT 20 – Thermal Printers	01 Year

GCC 15.4 & 15.5—The period for correction of defects in the warranty period is Seven (07) days.

11. Payment (GCC Clause 16)

GCC 16.1— The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

Payment for Goods supplied:

Payment shall be made in Pak. Rupees in the following manner:

- (i) **Advance Payment:** Ten (10) percent of the Contract Price shall be paid within thirty (30) days of signing of the Contract, and upon submission of claim and a bank guarantee for equivalent amount valid until the Goods are delivered and in the form provided in the bidding documents or another form acceptable to the Purchaser.
- (ii) **On Delivery:** Eighty (80) percent of the Contract Price of the Goods delivered shall be paid against inspection certificate and upon submission of documents specified in GCC Clause 10.

- (iii) **On Acceptance:** Ten (10) percent of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods upon submission of claim supported by the acceptance certificate issued by the Purchaser.

Payment of local currency portion shall be made in PKR within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed.

Income/withholding tax shall be deducted at source as per applicable taxation laws, while making the payments.

12. Prices (GCC Clause 17)

The prices charged for the Goods supplied shall not be adjustable.

13. Liquidated Damages (GCC Clause 23)

GCC 23.1—Applicable rate: Applicable rates shall not exceed one half (0.5) % per week and the maximum shall not exceed 10 % of the contract price.

14. Resolution of Disputes (GCC Clause 28)

GCC 28.3—The dispute resolution mechanism to be applied pursuant to GCC Clause 28.2 shall be as follows:

In the case of a dispute between the Purchaser and the Supplier, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Purchaser's country.

15. Governing Language (GCC Clause 29)

GCC 29.1—The Governing Language shall be: **English**

16. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan.

17. Notices (GCC Clause 31)

GCC 31.1—Purchaser's address for notice purposes:

Attention: **Mr. Rizwan Khalid**
Procurement Specialist

FATA TDP-ERP

Address: **3rd Floor, G-10 Project Office, Regional Head Office (RHO)
Maive Area, G-10/4, National Database & Registration Authority (NADRA)**

City: **Islamabad**, ZIP Code: **44000**, Country: **Pakistan**

Telephone: **+92-51-9039-2255**, Facsimile number: **+92-51-9108352**

Electronic mail address: tdp@nadra.gov.pk

Supplier's address for notice purposes:

Attachment to SCC: Sample Price Adjustment Formula

Not used.

Section IV. Schedule of Requirements

Schedule of Requirements

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

- Location: i. National Database & Registration Authority (NADRA), Central Store G-5/2, Islamabad, Pakistan for all LOTs except LOT 6, 9, & 11.
- ii. **LOT 6 (12 Sites):-** Delivery on site, Site Preparation including civil and electrical work for Generators, Installation and Commissioning Services for Generators, Local Trainings (Generator) Level 1: Site Engineers, Level 2: Technical and Operational Staff on turnkey bases for the following agencies of ex-FATA (Tribal Districts): North Waziristan, South Waziristan, Khyber, Kurram ,Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty.
- iii. **LOT 9 (26 Sites):-** Delivery on site, Site Preparation including civil and electrical work for CCTV/IP Camera, per site Full Solution, Installation and Commissioning Services for CCTV/IP Camera, per site Full Solution on turnkey bases for the following agencies of ex-FATA (Tribal Districts): North Waziristan, South Waziristan, Khyber, Kurram ,Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty.
- iv. **LOT 11 (26 Sites)** Delivery on site, Site Preparation including civil and electrical work for Queue Management System Full Solution Generators, Installation and Commissioning Services for Queue Management System Full Solution on turnkey bases for the following agencies of ex-FATA (Tribal Districts): North Waziristan, South Waziristan, Khyber, Kurram ,Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty.

S.No.	Description	Quantity	Delivery Schedule
1.	LOT 1 – Server	01 No	8 weeks from the date of contract signing.
2.	LOT 2 - Storage	01 No	8 weeks from the date of contract signing.
3.	LOT 3 - Laptops	168	8 weeks from the date of contract signing.
4.	LOT 4 – PC All in One	100	8 weeks from the date of contract signing.
5.	LOT 5 - Laser Printer (Multifunctional) with 2 x additional toners	154 with 308 tonners	8 weeks from the date of contract signing.
6.	LOT 6 – Generators 15 KVA	12	8 weeks from the date of contract signing.

7.	LOT 7 – UPS 3 KVA + Add Battery Pack	27 No	8 weeks from the date of contract signing.
8.	LOT 8 - Satellite Link	12 No	8 weeks from the date of contract signing.
9.	LOT 9 - CCTV/IP Camera, per site Full Solution	27 No	8 weeks from the date of contract signing
10.	LOT 10 – Camera with Table Top Tripod	90 No	8 weeks from the date of contract signing
11.	LOT 11 – Queue Management System Full Solution	27 No	8 weeks from the date of contract signing
12.	LOT 12 - Biometric Thumb Digitizers (morpho or equivalent)	83 No	8 weeks from the date of contract signing
13.	LOT 13 - Biometric Thumb Digitizers (e-saulat)	77 No	8 weeks from the date of contract signing
14.	LOT 14 - Barcode Reader	30 No	8 weeks from the date of contract signing
15.	LOT 15 – LCD Screen	86 No	8 weeks from the date of contract signing
16.	LOT 16 – IP Phone	15 No	8 weeks from the date of contract signing
17.	LOT 17 – Switch 24 port	30 No	8 weeks from the date of contract signing
18.	LOT 18 – AC (Split 1.5 Ton)	54 No	8 weeks from the date of contract signing
19.	LOT 19 – LED TV - 43’’	12 No	8 weeks from the date of contract signing
20.	LOT 20 – Thermal Printers	27 No.	8 weeks from the date of contract signing

Section V. Technical Specifications

Technical Specifications

Name of Goods or Related Services	Technical Specifications and Standards	
LOT 1 – Server		
1U or 2U Rack Mounted Server Specification		Quantity = 02
Chassis: chassis with up to 8, 2.5" Hard Drives, up to 2 PCIe Slots (With Optional Riser)		01
Processor: Intel® Xeon® Gold 6154 3.0G,18C/36T,10.4GT/s, 25M Cache or equivalent		02 Processors
Memory: DDR4-2666,		256 GB
RAID Controller: Internal RAID Controller for RAID 1 configuration External RAID controller Adapter with 2GB NV Cache RAID 10, 5 must supported		01
Storage: At least 1.8TB SSD Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Driv		2
Internal Optical Drive: DVD+/-RW, SATA, Internal		01
Fibre card for storage connectivity: 2x Ports 8Gb Fibre Channel HBA with cables		01
Network Interfaces: 8 x RJ-45 Gigabit Ethernet 1000BASE-T ports 1x RJ-45 10/100/1000 Mb Ethernet systems management port for remote console		01
PCI Expansion slots: PCIe Riser card Riser with up to 2, x16 PCIe Slots for x8, 2 PCIe		01
Power Supply: AC Hot-plug, Redundant Power Supply (1+1), 1100W		02
Cooling: Redundant hot-swap system fans..		01
Mounting Rails kit		01
Management Module: Management Module (through which remote management can be done like powerup, powerdown etc)		01
Power Cord: 10A/250V, C13 to C14 PDU Cable		02
Warranty: standard Warranty (Parts and Labor) 3 Year Basic Hardware Warranty Repair		03 years
Other: Proposed server must support leading operating systems and Hypervisors including VMWare, Hyper-V, Red Hat Linux, Suse Linux, Microsoft Windows and centos. Relevant cables/ railings to completely implement the solution with all aspects. Vender must be authorize tier-1 partner of OEM		
LOT 2 - Storage		
Storage System (Qty=1)		
Storage Type	Unified SAN Storage Array (with All Flash modules or SSD's)	
Controller	Dual Active/Active controllers with minimum 6 Cores (per controller) Intel Xeon processor or equivalent or higher	
Protocols	FC, iSCSI, SNMPv3,SMTP	
Cache	Minimum 128 GB Cache for proposed storage system (Higher side can be quoted) write cache must persistence during controller failure to prevent performance degradation	

Usable Capacity	20TB Useable. Using 1.9 TB (SSD) or flash module with (not more than 3TB capacity) with RAID-5 or better. Only physical capacity will be considered.
Scalability	It must be a single tightly clustered singly managed system rather than aggregate of multiple separate smaller boxes. The same should be upgradeable by adding controllers / changing the controllers.
Hot-Spare (Flash module, SSD)	Must include minimum one hot spare disk/flash module for each type. Array must have the optimal quantity of global hot spare disks/flash modules as recommended by the manufacturer (in addition to the usable capacity)
Host Connectivity Ports & Protocols	Proposed storage system must have minimum 4 x 16Gbps FC ports.
Disk Drive & Flash Module Support	Offered Storage shall support SSD 1TB, 1.9TB, 3.8TB, 7.6 and 15TB Offered Storage shall support Flash Module 1TB, 2.9TB, and 5 TB
Raid Level Support	Supported pools and traditional RAID level should be 1, 10, 5 or better
Architecture	Offered storage system should not have any single point of failure at controller, management console, power supplies, data paths etc.
Capacity Optimization	Proposed storage should support built-in capacity optimization feature like inline Compression and de-duplication.
Thin Provisioning	Offered storage array should be supplied with Thin provisioning Capability.
Mounting Kit	Rack Mounting Kit
Volume Copy	Volume clone, and snapshots capabilities must be supplied
Management Software	Easy to use GUI based and web enabled administration interface for configuration, managing, administration and associated functionalities including deployment, automation, provisioning, and protection and monitoring management. Solution Should offer real time performance monitoring tools giving information on volume throughput, I/O rate and latency etc
Data Migration	The Storage System should have the capability to support Non-Disruptive Data migration across Volumes.
Operating System Support	Proposed storage must support leading operating systems and Hypervisors including VMWare, Hyper-V, Red Hat Linux, Suse Linux, Solaris, AIX and HP-UX, Microsoft Windows.
Warranty & Support	Proposed storage system should be quoted with minimum 3 years (24x7) Hardware and Software warranty and support back to back onsite OEM support.
Others	Proactive system health monitoring, must all capacity upgrade without any additional software license. Spare parts depot must have in Karachi or in Islamabad. Three training packs from OEM
LOT 3 - Laptops	8th Gen Intel Core i7- 8550, RAM 4GB, HDD 1TB, Display 15.6" LED, Warranty-02 Years onsite, parts, labor.
LOT 4 – PC All in One	Core i5, 8th Gen, Core i5-8400, DDR4, RAM 4GB, HDD 1TB, 7200 rpm DVD-RW, 8.11/b/g/n wifi, Bluetooth, Battery Pack, Mouse, Wireless Keyboard, Display Screen Size 23 inches, Warranty-02 Years onsite, parts, labor.
LOT 5 - Laser Printer (Multifunctional) with 2 x additional toners	MULTIFUNCTION LASER PRINTER: Monochrome laser printer, scanner, copier,

	<p>fax, wireless printing, Wi-Fi Direct, NFC touch-to-print, duplex printing, 3" color touchscreen, Duty Cycle of upto 50,000 pages, Print quality of 1200 x 1200 dpi or higher</p> <p>FAST PRINT SPEED: print up to 40 pages per minute with this wireless laser printer.</p> <p>SOLID SECURITY: Able to Protect sensitive information and improve compliance with data, device and document security solutions. Warranty-02 Years onsite, parts, labor.</p>
<p>LOT 6 – Generators 15 KVA</p>	<p>Engine (Make /model /rating) Governor: Mechanical / Electrical Fuel type: o 15kva and above : Diesel Speed: 1500 RPM Cooling system: o 15kva and above : water cooled Power rating: Prime</p> <p>Alternator (Make /model /rating) Power factor Cos ϕ: 0.8 Phase: o 15kva and above : 3phase, (4-wire)</p> <p>Protection system (Preferred): Short circuit Over / under voltage. Over Load Trip Over Temperature. Over / under RPM. Low Engine Oil Protection/Alarm. Emergency shutdown button.</p> <p>Control panel: Deep sea Control module or equivalent (Preferred): Best quality ATS / AMF / MOR, With Auto and Manual Start/Stop. Battery Charger through Generator /Control panel. Volt meter, Ammeter, Energy meter, run-hour meter. Fuel Gauge on Fuel tank.</p> <p>Battery: Heavy duty maintenance free battery as per manufacturer's requirement and standards.</p> <p>Accessories: One set of spare filters (air, fuel,</p>

	<p>lubrication oil)</p> <p>Technical and operational manuals</p> <p>Training for Site Engineers, Technical and operational staff.</p> <p>Civil works (10kva or above):</p> <p>Complete job in all respects as per standards and manufacturer's recommendation including RCC Foundation.</p> <p>Electrical Works:</p> <p>Complete job in all respect. Rated Wiring as per standards and manufacturer's recommendation.</p> <p>Wiring from Generator set to L.T Panel(s), according to site</p> <p>All equipment / wiring tagging for identification.</p> <p>Earthing:</p> <p>Complete job in all respects as per manufacturer's requirement</p> <p>Separate Earthing of Body and Generator.</p> <p>Earth Resistance $\leq 3.0 \Omega$ (Ohms).</p> <p>Canopy:</p> <p>Full enclosure, easy to remove for Repair/maintenance.</p> <p>As per Manufacturer recommendations.</p> <p>Sound proof acoustic enclosure: 75db or less for 1meter distance.</p> <p>Should be Water and Weather proof.</p> <p>Exhaust system with lid.</p>
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ANNEX I: GENERAL REQUIREMENTS FOR GENERATOR

Scope of Work

Supply, Installation and full commissioning of Continuous power Generator & MOR. Complete Civil and Electrical works including Earthing, and cabling (up to main DB) according to the full load on turnkey basis at following agencies of ex- FATA: North Waziristan, South Waziristan, Khyber, Kurram, Orakzai, Mohmand & Bajur . Included maintenance and servicing of the complete installation during the period of warranty.

The Works/Tasks include but not limited to the followings:

- o Cable, Cable runways, Trenches, Ducts

- o Testing of the Generators
- o Sample of the Generator
- o Warranty period (One year Standard warranty)

General Instructions:-

- The Bidder must duly fill attached Proforma and shall submit along with Tender document.
- The Bidder must submit authorized license specifically for Generator from OEM.
- All Charges/Prices should be mentioned clearly and separately including Generators, Cables, services, consumables, warranty, preventive maintenance and all allied equipment's.
- The bidder must provide soft (CD's/Removable disc) and hard copies of compliance statement along with bid.
- The bidder must provide the original manufacturer product broucher of offered Generator and highlight the required technical data to support the compliance statement.
- NADRA reserves the right to add (on the quoted price) or drop any item in the order placed on the successful bidder.
- The bidder is required to point out any deviation or missing item in BoQ or in technical specification, which is over looked but necessary for Generator (Supply, Installation, Testing & Commissioning) in the compliance statement. Contractor will be responsible to provide that item without any argument and cost whenever highlighted at any stage or during work execution.
- The bidder shall execute the works with materials in accordance with the Specifications. All materials which in the opinion of the NADRA are not sound and/or do not meet with the above condition, shall be immediately dismantled and/or removed from the site by the bidder at the request of the NADRA and replaced by appropriate approved materials without claim by or extra payment to the bidder. The bidder shall also be responsible for the dismantling of the site work for the new installation work if required without any new additional cost.

Power Cables:

- Power cables shall be of high quality reputed cable brand.

Earthing (15kva or above):

- Complete job in all respects as per manufacturer's requirement, Separate Earthing of Body and Generator.
- Earth Resistance $\leq 3.0 \Omega$ (Ohms).

Preventive maintenance:

- In case of Maintenance Contract is signed, the bidder shall be bound to provide services / maintenance on-time and shall be penalized in case of late services / maintenance / backup support.

Bidder guarantee:

- The bidder shall give written guarantee along with manufactures make, model & year of manufacture that all the equipment, allied equipment and materials supplied under the contract are original & brand new, of robust construction and standard manufacture and that the materials and workmanship shall be of best class. The equipment shall be installed in a practical and first class manner and that the Site and systems shall be complete and ready for operation, nothing bearing omitted by way of labor and material required to make them so, although not specifically shown or mentioned in the specifications or in the drawings, and that these would be delivered to the NADRA in well working order complete and perfect in every respect.

Acceptance Certificate:

- The NADRA shall arrange acceptance testing and commissioning of the Site and equipment under the supervision of the Engineers of the NADRA Team.

Cable, Cable runways, Trenches, Ducts (Subject to mention in the Scope of work):

- The bidder shall carefully check the sizes of the Generators as required in Tender and specify site cables, cable runways, trenches, ducts etc. and confirm that the equipment, wiring etc. can be installed within the respective spaces allocated for the same. The bidder shall also verify the cable sizes, ratings of Sub Distribution Boards / protection, in case of any disparity in BoQ. The bidder shall indicate the disparity of BoQ.

Ambient conditions, Relative humidity:

- The equipment shall be good for ambient conditions of -10°C to +55°C, 0-95% relative humidity, 1000 meters altitude and for a few stations more than 2500 meters altitude.

Training:

- The bidder shall arrange training for NADRA employees at site to demonstrate about all parts of Generator and their operation and maintenance.

Testing Generators (Subject to mention in the Scope of work):

- The selected bidder for technical evaluation shall arrange the following tests to be successfully performed on one of the kind Generator of the each type separately at appropriate place in the presence of technical Evaluation Committee. The Bidder will be responsible to provide required apparatus, facility and all related expenses.
 - a) 25% load test for 1/2 hours
 - b) 50% load test for 1/2 hours
 - c) 100% load test for 1 hour
 - d) 110% load test for 1/2 hour
- The finalized bidder would be responsible to arrange same above tests on each Generator before to delivery and the bidder would be responsible to provide required apparatus, facility and all related expenses.
- In addition the bidders shall be required to produce set of test reports from his principals about the tests performed on each Generator at the time of delivery.
- The bidder shall arrange earth resistance tests of individual earth pits on each pit level and Operation of all protection circuits (subject to requirement).

Warranty (Subject to mention in the Scope of work):

- All Generators shall be under One year Standard warranty. Warranty start date will be from the date of Final acceptance test/Commissioning.

Annex II-PROFORMA

The Bidder must duly fill every field of Proforma and shall submit along with Tender document.

	C o m p a n y N a m e :	
	A d d r e s s :	
	R e p r e s e n t a t i v e N a m e :	
	C o n t a c t # :	
S r .	D e s c r i p t i o n	B i d d e r t o S t a t e
1.	Power Rating of Generator (kVA)	
2.	NAME (Brand) OF Generator Set	
	Country of Manufacturing	

3.	List of Clients name, contact numbers and addresses of same type / related model generator users	
4.	List of local offices/sub-branches all over Pakistan and bidder own web address	
5.	Vender Authorization/certification from OEM	
6.	Time for the Delivery of Generators (In weeks)	
7.	License/Certification specifically for Generator to OEM	
8.	URI (weblink) of Generator/ Engine/Alternator, software link and guideline to verify the serial number & model number of Complete Generator.	
9.	Operating ambient temperature	
10.	Bidder guarantee Letter	
11.	Sample of Generator and allied equipment at the time of submission of tender document (Subject to requirement)	
12.	Facility of Engine & Alternator Coupling, Alignment Workshop	

13.	Technical Staff Detail	
Engine		
14.	Governor Type (Mechanical/Electrical)	
15.	NAME (Brand) OF Engine.	
	Country of Manufacturing	
16.	Fuel Type (Diesel/Gasoline)	
17.	Ambient temperature:	
18.	Relative humidity:0-95%	
19.	Attach List of local offices / sub-branches in Pakistan	
20.	Cooling System(Air / Water)	
21.	Power Rating: (Prime/Standby/Continuous)	
Alternator		
22.	Power Factor	
23.	NAME (Brand) OF Alternator:	
	Country of Manufacturing:	
24.	Winding Insulation : Class	
25.	Phase (3phase-4wire, single phase-2wire)	
Protection System		
26.	Short circuit	
27.	Over / under voltage.	

28.	Over Load Trip	
29.	Over Temperature.	
30.	Over / under RPM.	
31.	Low Engine Oil Protection/Alarm.	
32.	Emergency shutdown button.	
Control Panel		
33.	Make	
	Model	
	Rating	
34.	Best quality ATS / AMF / MOR, With Auto and Manual Start/Stop.	
35.	Battery Charger through Generator /Control panel.	
36.	Volt meter, Ammeter, Energy meter, run-hour meter.	
37.	Fuel Gauge on Fuel tank.	
Battery		
38.	Model:	
39.	Manufacturer:	
40.	Rating:	
41.	Maintenance Free:	
42.	Accessories:	

Manuals & Documentation		
43.	Technical Manual	
44.	Operational Manual	
45.	Technical Training	
46.	Operational Training	
Works		
47.	Civil works Complete Job in all Respects including RCC Foundation and according to manufacturer recommendations and standards.	
48.	Electrical Works complete job in all respect from Generator to L.T Panel.	
49.	Separate Earthing works for Generator and Body. Complete Job in all respect. Earthing Resistance must be $\leq 1\Omega$	
50.	Power Cable manufacturer (Pioneer / Fast / Newage / Pakistan)	
Canopy		
51.	Full enclosure, easy to remove for repair / maintenance	
52.	As per manufacturer recommendations	
53.	Sound proof acoustic enclosure: 75db of 1 meter	
54.	Should be water and weather proof:	
55.	Exhaust system with lid:	
Warranty		

56.	One/two/three year standard warranty	
Testing		
57.	Testing reports mentioned as per General Requirements	

Name of Goods or Related Services	Technical Specifications and Standards
LOT 7 – UPS 3 KVA + Add Battery Pack	<p>Type: Online, Pure sine Wave Power Factor: 0.8 or better. Output Frequency: 50 Hz+-5% (compatibility with Generator frequency Site Conditions: Operating Temperature Ambient:0 to 50 c Humidity: 0% to 95% non-condensing Construction/service: Suitable for indoor/continuous duty, 24-hour service Protection System: Short circuit, Over/under voltage Trip, Over Load Trip, Internal Fault, Over Temperature. Battery: Heavy duty maintenance free battery as per as manufacture's and standards, Warranty: 1 Year Manufacturing: Less then 6th Month along with batteries.</p>

ANNEX III: GENERAL REQUIREMENTS FOR UPS

Scope of Work

General Instructions:-

- The Bidder must duly fill Proforma and shall submit along with Tender document.
- The Bidder must submit authorized license specifically for UPS from OEM.
- The bidder must provide soft (CD's/Removable disc) and hard copies of compliance statement along with bid.

- The bidder must provide the original manufacturer product brochures of offered UPS and highlight the required technical data to support the compliance statement.
- NADRA reserves the right to add (on the quoted price) or drop any item in the order placed on the successful bidder.
- The bidder is required to point out any deviation or missing item in BoQ or in technical specification, which is over looked but necessary for UPS in the compliance statement. Contractor will be responsible to provide that item without any argument and cost whenever highlighted at any stage or during work execution.

Bidder guarantee:

- The bidder shall give written guarantee along with manufactures make, model & year of manufacture that all the equipment, allied equipment and materials supplied under the contract are original & brand new.

Acceptance Certificate:

- The NADRA shall arrange acceptance testing and commissioning of the Site and equipment under the supervision of the Engineers of the NADRA Team.

Testing UPSs (Subject to mention in the Scope of work):

- The selected bidder for technical evaluation shall arrange the following tests to be successfully performed on one of the kind UPS of the each type separately at appropriate place in the presence of technical Evaluation Committee. The Bidder will be responsible to provide required apparatus, facility and all related expenses.

Transient Response Load Test:

a) 0% load to 50 % and 50% to 0%

b) 25% load to 75 % and 75% to 25%

c) 50% load to 100 % and 100% to 50%

- The finalized bidder would be responsible to arrange same above tests on each UPS before to delivery and the bidder would be responsible to provide required apparatus, facility and all related expenses.
- In addition the bidders shall be required to produce set of test reports from his principals about the tests performed on each UPS at the time of delivery.

Warranty (Subject to mention in the Scope of work):

- All UPSs shall be under One year Standard warranty. Warranty start date will be from the date of Final acceptance test/Commissioning.

Annex IV: PROFORMA

The Bidder must duly fill every field of Proforma and shall submit along with Tender document.

	C o m p a n y N a m e :	
	A d d r e s s :	
	R e p r e s e n t a t i v e N a m e:	
	C o n t a c t #:	
S r .	D e s c r i p t i o n	B i d d e r t o S t a t e
1.	Power Rating of UPS (kVA)	
2.	NAME (Brand) OF UPS Set	
	Country of Manufacturing	
3.	List of Clients name, contact numbers and addresses of same type / related model UPS users	
4.	List of local offices/sub-branches all over Pakistan and bidder own web address	
5.	Vender Authorization/certification from OEM	
6.	Time for the Delivery of UPSs (In weeks)	
7.	License/Certification specifically for UPS to OEM	
8.	URI (weblink) of UPS/ Engine/Alternator, software link and guideline to verify the serial number & model number of Complete UPS.	
9.	Operating ambient temperature	
10.	Bidder guarantee Letter	
11.	Sample of UPS and allied equipment at the time of submission of tender document (Subject to requirement)	
12.	Full Load Backup time with and without external Battery Pack	

13.	Maintenance Work Shop (Address, Location and Contact numbers)	
14.	Technical Staff Detail	
Battery		
15.	NAME (Brand)	
	Country of Manufacturing	
16.	Ambient temperature:	
17.	External Battery Pack Supported	
18.	Relative humidity:0-95%	
19.	Attach List of local offices / sub-branches in Pakistan	
20.	Model:	
21.	Manufacturer:	
22.	Rating:	
23.	Maintenance Free	
24.	Accessories:	
Protection System		
25.	Short circuit	
26.	Over / under voltage trip	
27.	Over Load Trip	

28.	Over Temperature	
Manuals & Documentation		
29.	Technical Manual	
30.	Operational Manual	
31.	Technical Training	
32.	Operational Training	
Testing		
33.	Testing reports mentioned as per General Requirements	

Name of Goods or Related Services
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LOT 8 - Satellite Link

Technical Specifications and Standards

S#	Item	Description	Qty
1	IDU	Option-1: NSSL Global/STM Satlink 2000 (or up model) with fully enabled, licensed and support of TCP-A, Encryption, NAT and with all accessories Option-2: iDirect Evolution X3 Modem (or up model) with fully enabled, licensed and support of Star, TCP-A, Encryption, NAT and with all accessories	12
2	ODU	BUC 3W (or above) and LNB fully compatible with Quoted IDU and 1.2 m antenna as well. With all accessories	12
3	1.2m Antenna	1.2 Antenna Ku-Band. Skyware 1.2m Antenna type 122 KU-Band Cross Pol or equivalent or better. Origin of Antenna must be USA, UK or European. Following are the main requirements of 1.2m reflector.	12

		1. Preferably single piece fiber make reflector.	
		2. Inclinometer for azimuth and elevation adjustment	
		3. Antenna must have Elevation and Azimuth adjustment rod nuts to set the antenna to the correct elevation and azimuth angle by raising or lowering with the elevation and azimuth adjustment rod nuts. These are required for tuning and fine tanning of antenna.	
		4. Antenna must be compatible with quoted ODUs in cross pol configuration	
		5. Antenna must be able to mount on 1.2meter Antenna Mount	
5	1.2m Antenna Mount	6 x 6 Non penetrating antenna support to handle 1.2 meter antenna.	12
6	1000 Feet Cable Roll	Preferably or equivalent specs as Belden 1829AC 010 (BLK) 1000 FT 305 Meter	8
		Belden 3 GHz Satellite	
		75 ohm series 6 coax cable	
		18 AWG (.81 SQ MM)	
		(UL) Type CATV	
		(UL) Type CM	
		0(UL) Type CM	
		Communication Cable E108998	
7	F-Type Weather proof connector box (20 connectors in each box)	Preferably or equivalent specs as Paladin 9611 Weather Proof	10 Boxes (20 connectors in each box)
		Impedance 75 ohm	
		Fully stainless steel	
		Supported with quoted RF Cable	
		German, US, UK Made, European Made.	
8	Weather Tape	Weather tape for outdoor equipment weather proofing	6
Note		Bidder shall quote all equipment as Turnkey Project	
		if NSSL Global/STM equipment quoted then it must be compatible with NADRA NSSL Global/STM Hub	
		if iDirect equipment quoted then it must be compatible with NADRA iDirect Hub	
		Bidder must be equipment manufacturer or premium partner for point 1,2 and 3.	
		All quoted equipment must support universal frequency band	
		All equipment IDU, ODU, Antenna, Antenna mount must be Integratable with each other.	

	Equipment must be quoted with 1 year warranty start from equipment delivery date	
	All quoted equipment must be brand new	
	Equipment must be quoted with all required licenses to make equipment fully function with required features	

Name of Goods or Related Services
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LOT 9 - CCTV/IP Camera, per site Full Solution

Technical Specifications and Standards

Description/Specification	Qty
CCTV Camera	
8MP High-performance CMOS or Higher, Turbo HD output, up to 1080P resolution, True Day/ Night, Smart IR, EXIR Technology, up to 40m IR Distance, IP66 weatherproof, Video Frame Rate:1080@25fps/1080@30fps, HD Video Output: 1 Turbo HD output, S/N Ratio: More than 52dBAGC Supported (IP Base Camera)	110
LED Display	30
32" IPS technology HD	
NVR 8 Channel	30
Compatible with camera	
Hard Drive	30
Capacity 2TB	
Network switches:	30
8 Port POE compatible with camera 10/100 or higher	
CCTV Cabling	
Using CAT 6 STP Cable ,duct trench and repairing pipes and other allied material	
Scope of Work	
Installation, testing & commissioning on turnkey bases at following agencies of ex- FATA: North Waziristan, South Waziristan, Khyber, Kurram Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty.	
Installation and commissioning will be done at twenty six (26) selected sites. (4 X Camera will be installed per site)	
Installation work shall be completed in 04 x weeks after the	

delivery date.	
Per site installation charges shall be required in the price schedule form.	
Warranty	
One year parts and labour on site	

Name of Goods or Related Services	Technical Specifications and Standards
LOT 10 – Camera with Table Top Tripod	Canon USEOS 3000 or equivalent, Warranty: Standard.

Name of Goods or Related Services	Technical Specifications and Standards
LOT 11 – Queue Management System Full Solution	

Description of Goods	Quantity
Full solution ,Dispenser 10 inch or higher display with sound & thermal printer	26
IP based 04 digit counter	260
Smart LED 40 inch or higher	26
Scope of Work	
Installation, testing & commissioning on turnkey bases at following agencies of ex- FATA: North Waziristan, South Waziristan, Khyber, Kurram Orakzai, Mohmand & Bajur including maintenance and service of the complete installation during the period of warranty. Installation and commissioning will be done at twenty six (26) selected sites. (01 x Solution will be installed per site)	26 Sites

Installation work shall be completed in 04 x weeks after the delivery date.	
Per site installation charges shall be required in the price schedule form.	
Warranty	
One year parts and labour on site	

Name of Goods or Related Services	Technical Specifications and Standards
LOT 12 - Biometric Thumb Digitizers	Morpho Safron or equivalent, Warranty: Standard.
Name of Goods or Related Services	Technical Specifications and Standards
LOT 13 - Biometric Thumb Digitizers (e-saulat)	Sagem MSO 300 or equivalent, USB connectivity, Warranty: Standard.
Name of Goods or Related Services	Technical Specifications and Standards
LOT 14 - Barcode Reader	1D Single Line, Both Handheld and Fixed, Warranty:1 year onsite support with all parts and labour.
Name of Goods or Related Services	Technical Specifications and Standards
LOT 15 – LCD Screen	LED Monitor: Wide Screen Panel Display Size: 20.5 inches Aspect Ratio: 16:9 Technology: LED Panel Type: Twisted Nematic (TN) Resolution: HD/FHD) Color: Black Connectivity: VGA, DP, HDMI) Power: 220V Warranty: 1 year With HDMI to HDMI cable standard length.
Name of Goods or Related Services	Technical Specifications and Standards
LOT 16 – IP Phone	

IP Phone Specification

Lines (direct numbers)	Up to 6 lines (standalone mode)
	Up to 24 concurrent calls
Display	320 x 160 backlit grayscale graphical LCD
	White LED backlight with custom intensity control
	Message Waiting Indicator (MWI) LED
Feature keys	4 context-sensitive “soft” keys
	26 dedicated “hard” keys
Headset and hearing aid compatibility	Dedicated RJ-9 headset port
	Amplified headsets are recommended
	Compliant with ADA Section 508
	Recommendations: Subpart B 1194.23 (all)
	Hearing Aid Compatible (HAC) handset hearing aids
Frequency response	150 Hz–7 kHz for handset, headset1 and hands-free speakerphone modes
Network and provisioning	Two-port 10/100 Mbps Ethernet Switch
	Manual or dynamic host configuration protocol (DHCP) network setup
	Time and date synchronization using SNTP
	FTP/TFTP/HTTP/HTTPS4 server- based central provisioning for mass deployments
	Provisioning server redundancy supported
	Web portal for individual unit configuration
	QoS Support—IEEE 802.1p/Q tagging
	(VLAN), Layer 3 TOS, and DSCP
	Network Address Translation (NAT) support static
	RTCP support (RFC 1889)
	Event logging
	Local digit map
	Hardware diagnostics
	Status and statistics
Security	Transport Layer Security (TLS)
	Secure Real-time Transport Protocol (SRTP)
	Shipped with X.509 certificate installed
	Encrypted configuration files
	Digest authentication
	Password login
Operating conditions	Temperature: 32–104° F (0–40° C)
	Relative Humidity: 5–95%,
Warranty	One year parts and labour

Name of Goods or Related Services	Technical Specifications and Standards
LOT 17 – Switch 24 port	Type Layer 2 Ethernet Ports 24 x 10/100/1000 Forwarding Store and Forward Spanning Tree 802.1D STP, 802.1W RSTP & 802.1S MSTP Link Aggregation Source/Destination/ IP Based Load balance MAC Operation MAC Binding/ MAC Filtering/ MAC limit per port Broadcast Storm Control Broadcast/Multicast/Unicast Storm Control 1:1 and N:1 Port Mirror SPAN, RSPAN or Equivalent Jumbo Frame QOS Features 8 Queues Per Port Traffic Classification based IEEE 802.1p CoS, IP Precedence, DSCP, TCP/UDP port number, Access Control List Security IEEE 802.1x Port MAC based Authentication IP Source Guard DHCP Snooping Multicast Support IGMP v1/v2/v3 snooping Switch Management CLI, Telnet, SSH, SNMP v1/v2c/v3 through IPV4 and IPV6 Syslog SNMP MIB, SNMP TRAP, Sntp/NTP Warranty: Standard

Name of Goods or Related Services	Technical Specifications and Standards
LOT 18 – AC (Split 1.5 Ton)	Split AC 1.5 Ton Cooling Power in Tons :1.5 Ton Adjustable resistance level : Wall Mount Airflow :Comfortable Air flow Cold Media : Yes Cooling effect : Fast Cooling Dehumidification : Yes Energy efficiency class : High Efficiency Noise level : Low Power consumption Timer : Yes

	Number of hours Voltage :220-240 Cooling Capacity (BTU) Cooling Power in Tons :1.5 Ton Type : Wall Mounted Air Purification : YES Display : LED Display Remote Control :Yes Warranty : 3 years on site
Name of Goods or Related Services	Technical Specifications and Standards
LOT 19 – LED TV - 43’’	
Type	LED
Screen Size	43"
Resolution	Full HD
Sound Outputs	Built in
Interfaces	HDMI/ USB/ Headphone/ Composite In (A/V)
Wall Mount Panel	Complete kit
Power	220 – 240 V
Warranty	One year parts and Service
Name of Goods or Related Services	Technical Specifications and Standards
LOT 20 – Thermal Printers	

Printing Model	Direct Thermal
Max Print Width	79.5mm+0.5mm
Effective Print Width	72mm
Character Size Font	A: 1.5x mm ; Font B: 1.13x2.13 mm
Character Per line Font	A: 48 columns ; Font B: 64 columns
Printing Speed	220mm/Sec
USB Port	USB 2.0 full-speed

Ethernet	10/100Base-T
Standard Warranty	1 Year

Section VI. Sample Forms

Sample Forms

1. <i>BID FORM AND PRICE SCHEDULES</i>	47
2. <i>BID SECURITY FORM</i>	50
3. <i>CONTRACT FORM</i>	51
4. <i>PERFORMANCE SECURITY FORM</i>	52
5. <i>BANK GUARANTEE FOR ADVANCE PAYMENT</i>	53
6. <i>MANUFACTURER'S AUTHORIZATION FORM</i>	54

1. Bid Form and Price Schedules

Date: _____
 Loan N°: _____
 IFB N°: _____

To: *[name and address of Purchaser]*

Gentlemen and/or Ladies:

Having examined the bidding documents including Addenda Nos. *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]* in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to _____ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Bid for a period of *[number]* days from the date fixed for Bid opening under Clause 22 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

(if none, state "none")

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this _____ day of _____ 20_____.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

Price Schedule in Pak. Rupees

Name of Bidder _____ . IFB Number _____. Page . of ____.

1	2	3	4	5	6	7
Item	Description	Country of origin	Quantity	Unit price DDP named place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required ³

Signature of Bidder _____

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

³ Must be included if required under ITB 11.2

2. Bid Security Form

Whereas *[name of the Bidder]* (hereinafter called “the Bidder”) has submitted its bid dated *[date of submission of bid]* for the supply of *[name and/or description of the goods]* (hereinafter called “the Bid”).

KNOW ALL PEOPLE by these presents that WE *[name of bank]* of *[name of country]*, having our registered office at *[address of bank]* (hereinafter called “the Bank”), are bound unto *[name of Purchaser]* (hereinafter called “the Purchaser”) in the sum of for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ____ day of _____ 19____.

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity:
 - (a) Fails or refuses to execute the Contract Form, if required; or
 - (b) Fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

we undertake to pay to the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including thirty (30) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

[signature of the bank]

3. Contract Form

THIS AGREEMENT made the ____ day of _____ 20____ between *[name of Purchaser]* of *[country of Purchaser]* (hereinafter called “the Purchaser”) of the one part and *[name of Supplier]* of *[city and country of Supplier]* (hereinafter called “the Supplier”) of the other part:

WHEREAS the Purchaser invited bids for certain goods and ancillary services, viz., *[brief description of goods and services]* and has accepted a bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (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 this Agreement, viz.:
 - (a) The Bid Form and the Price Schedule submitted by the Bidder;
 - (b) The Schedule of Requirements;
 - (c) The Technical Specifications;
 - (d) The General Conditions of Contract;
 - (e) The Special Conditions of Contract; and
 - (f) The Purchaser’s Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to 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 become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

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

Signed, sealed, delivered by _____ the _____ (for the Purchaser)

Signed, sealed, delivered by _____ the _____ (for the Supplier)

4. Performance Security Form

To: *[name of Purchaser]*

WHEREAS *[name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated _____ 20____ to supply *[description of goods and services]* (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 _____ 20_____.

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

5. Bank Guarantee for Advance Payment

To: *[name of Purchaser]*

[name of Contract]

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 16 of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called “the Supplier”) shall deposit with the Purchaser a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institution]*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Purchaser on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *[amount of guarantee in figures and words]*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the Purchaser and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[date]*.

Yours truly,

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

6. Manufacturer's Authorization Form

[See Clause 13.3 (a) of the Instructions to Bidders.]

To: *[name of the Purchaser]*

WHEREAS *[name of the Manufacturer]* who are established and reputable manufacturers of *[name and/or description of the goods]* having factories at *[address of factory]*

do hereby authorize *[name and address of Agent]* to submit a bid, and subsequently negotiate and sign the Contract with you against IFB No. *[reference of the Invitation to Bid]* for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

[signature for and on behalf of Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.

Section VII. Eligibility for the Provision of Goods, Works, and Services in Bank-Financed Procurement

Eligibility for the Provision of Goods, Works and Services in Bank-Financed Procurement

In accordance with Para 1.10 of the Guidelines: Procurement under IBRD Loans and IDA Credits, dated January 2011, the Bank permits firms and individuals from all countries to offer goods, works and services for Bank-financed projects. As an exception, firms of a Country or goods manufactured in a Country may be excluded if:

Para 1.10 (a) (i): as a matter of law or official regulation, the Borrower's Country prohibits commercial relations with that Country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of the Goods or Works required, or

Para 1.10 (a) (ii): by an Act of Compliance with a Decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's Country prohibits any import of goods from that Country or any payments to persons or entities in that Country.

For the information of bidders, at the present time firms, goods and services from the following countries are excluded from this bidding:

With reference to paragraph 1.10 (a) (i) of the Guidelines:

Goods of Israeli Origin or imported from Israel. [Government of Pakistan, Trade Policy 2012-15, Import Policy Order 2013, paragraph 5 (A) (ii).]

With reference to paragraph 1.10 (a) (ii) of the Guidelines:

15, Al-Qaida and Taliban and Associated Individuals and Entities [Securities and Exchange Commission of Pakistan, Letter No. SMD/SE/2(216)/2010 dated January 15, 2015 adopted vide Gazette of Pakistan Statutory Notification S.R.O No.05 (I) 2015 dated January 7, 2015, Ministry of Foreign Affairs, Government of Pakistan.

1. Fraud and Corruption

- 1.1 The Bank requires compliance with the Bank's Anti-Corruption Guidelines and its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework, as set forth in Section VI.
- 1.2 In further pursuance of this policy, Bidders shall permit and shall cause their agents (where declared or not), subcontractors, subconsultants, service providers, suppliers, and their personnel, to permit the Bank to inspect all accounts, records and other documents relating to any initial selection process, prequalification process, bid submission, proposal submission, and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.

Section VIII - Fraud and Corruption

1. Purpose

1.1 The Bank's Anti-Corruption Guidelines and this annex apply with respect to procurement under Bank Investment Project Financing operations.

2. Requirements

2.1 The Bank requires that Borrowers (including beneficiaries of Bank financing); bidders (applicants/proposers), consultants, contractors and suppliers; any sub-contractors, sub-consultants, service providers or suppliers; any agents (whether declared or not); and any of their personnel, observe the highest standard of ethics during the procurement process, selection and contract execution of Bank-financed contracts, and refrain from Fraud and Corruption.

2.2 To this end, the Bank:

- a. Defines, for the purposes of this provision, the terms set forth below as follows:
 - i. "corrupt practice" is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
 - ii. "fraudulent practice" is any act or omission, including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain financial or other benefit or to avoid an obligation;
 - iii. "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
 - iv. "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
 - v. "obstructive practice" is:
 - (a) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive, or collusive practice; and/or threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
 - (b) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 2.2 e. below.

- b. Rejects a proposal for award if the Bank determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/ or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
- c. In addition to the legal remedies set out in the relevant Legal Agreement, may take other appropriate actions, including declaring misprocurement, if the Bank determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement process, selection and/or execution of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- d. Pursuant to the Bank's Anti- Corruption Guidelines, and in accordance with the Bank's prevailing sanctions policies and procedures, may sanction a firm or individual, either indefinitely or for a stated period of time, including by publicly declaring such firm or individual ineligible (i) to be awarded or otherwise benefit from a Bank-financed contract, financially or in any other manner;¹ (ii) to be a nominated² sub-contractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract; and (iii) to receive the proceeds of any loan made by the Bank or otherwise to participate further in the preparation or implementation of any Bank-financed project;
- e. Requires that a clause be included in bidding/request for proposals documents and in contracts financed by a Bank loan, requiring (i) bidders (applicants/proposers), consultants, contractors, and suppliers, and their sub-contractors, sub-consultants, service providers, suppliers, agents personnel,
- f. permit the Bank to inspect³ all accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have them audited by auditors appointed by the Bank.

¹ For the avoidance of doubt, a sanctioned party's ineligibility to be awarded a contract shall include, without limitation, (i) applying for pre-qualification, expressing interest in a consultancy, and bidding, either directly or as a nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider, in respect of such contract, and (ii) entering into an addendum or amendment introducing a material modification to any existing contract.

² A nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider (different names are used depending on the particular bidding document) is one which has been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

³ Inspections in this context usually are investigative (i.e., forensic) in nature. They involve fact-finding activities undertaken by the Bank or persons appointed by the Bank to address specific matters related to investigations/audits, such as evaluating the veracity of an allegation of possible Fraud and Corruption, through the appropriate mechanisms. Such activity includes but is not limited to: accessing and examining a firm's or individual's financial records and information, and making copies thereof as relevant; accessing and examining any other documents, data and information (whether in hard copy or electronic format) deemed relevant for the investigation/audit, and making copies thereof as relevant; interviewing

staff and other relevant individuals; performing physical inspections and site visits; and obtaining third party verification of information.