

GOVERNMENT OF PAKISTAN
Pakistan Meteorological Department
Meteorological Complex, Headquarter (Camp) Office
University Road Karachi



(Bidding Documents)

F. No. IP-2(3)/2019-20/1

SECTION-I: SUPPLY ON F.O.R. BASIS

- 1) CHEMICALS
 - 2) WORKSHOP MATERIALS/MISCELLANEOUS ITEMS
 - 3) MACHINERY AND EQUIPMENTS
 - 4) SUPPLY & INSTALLATION OF CCTV SECURITY SYSTEM
 - 5) OFFICE STATIONERY (*Including Photo Stat Papers & Computer Continuous Sheets*)
 - 6) TONERS FOR PHOTO COPIERS & PRINTERS
- Etc.

F.O.R. Terms & Conditions

SECTION-II: SUPPLY ON F.O.B./C.I.P BASIS

- 1) MET. BALLOONS (*Different types*)
 - 2) VAISALA RS41-SG RADIOSONDE
 - 3) ELECTRICAL ANEMOMETER
 - 4) DIGITAL BALLOON THEODOLITE
 - 5) PORTABLE HYDROGEN GAS GENERATOR
 - 6) HUMIDITY AND TEMPERATURE PROB
 - 7) DIGITAL BAROMETER
 - 8) SMART SEISMIC DIGITIZER WITH DATA COMMUNICATION MODULES
- Etc.

F.O.B. Terms & Conditions
2019- 2020

Chief Meteorologist
PAKISTAN METEOROLOGICAL DEPARTMENT
Meteorological Complex, University Road, Karachi
Phone No. 021-99261425
Fax No. 021-99261405

Tender Notice

TENDER NOTICE NO. 1 (2019-20)

Pakistan Meteorological Department, Karachi invites sealed quotations from reputable firms registered with the Sales Tax & Income Tax Departments for supply of following items.

S. Nos.	Description of items	Quantity	Dates & time
SECTION-I: Items to be purchased on F.O.R. Karachi Basis			
01	Caustic Soda in flakes	9,000Kgs.	28-11-2019 <i>Closing at 11:00 a.m.</i> Opening at 11:30 a.m.
02	Ferrosilicon	7,000Kgs.	
03	Workshop Materials	Different items	
04	Brass Rods	Different types	
05	Oil Paints (ICI) or Equivalent	Different types	
06	Wood	Different types	
07	Miscellaneous items for carpentry	Different types	
08	Packing Materials	Different types	
09	Communication Cables	Different types	
10	Machinery for Met. Workshop	Different types	
11	CCTV Security Surveillance system with installation	01 Set.	
12	Digital Photocopier Machine	01 No.	
13	Inverter Airconditioner (2 tons) with installation	08 Nos.	
14	Dry Batteries (12V 200AH) Dry, Gel	12 Nos.	
15	Solar System with accessories	12 Nos.	
16	Photostat Papers (Imported, Branded), A4 & Legal Size	620 Reams	
17	Computer Continuous Sheets (80 Columns)	200 Boxes	
18	Office Stationery	Different types	
19	Toner for different Photocopiers	Different types	
20	Printer Toner , Cartridges and Ribbons	Different types	
SECTION-II: Items to be purchased on F.O.B or C.I.P basis (By opening L/C)			
01	i) Met. Balloons (30Gms.)	12,000 Nos.	12-12-2019 <i>Closing at 11:00 a.m.</i> Opening at 11:30 a.m.
	ii) Met. Balloons (100Gms.)	8,000 Nos.	
	iii) Met. Balloons (200Gms.)	150 Nos.	
02	Vaisala Radiosonde RS41-SG Transmitters (CIP basis)	90 Nos.	
03	i) Electrical Anemometer with Wireless connectivity	01 Set.	
	ii) Digital Handheld Anemometer	02 Nos.	
04	Digital Balloon Theodolite TD-4	03 Sets.	
05	Portable Hydrogen Gas Generator (SPE)	01 No.	
06	I) Vaisala HUMICAP Humidity and Temperature Probe HMP155 or Equivalent	10 Nos.	
	II) Vaisala Digital Barometer PTB 330 or Equivalent	10 Nos.	
	III) Vaisala Combined Wind Sensor (with two wipers) WMS 302 or Equivalent	04 Nos.	
	IV) Vaisala WXT 536 Multi Parameter Weather Transmeter or Equivalent	01 No.	
	V) Vaisala WMT700 Ultra Sonic Sensor or Equivalent	01 Set.	
07	Seismic Digitizer with Data Communication module	05 Sets	

Terms and conditions:

- 1). Separate tender for each item under sealed cover clearly written the name of item on the envelope should be reached this office on or before the above mentioned date up to **11:00 PST** & will be opened on the same date at **11:30 PST**.
- 2). Department reserves the right to accept or reject any items or all tender as per PPRA rules.
- 3). The tender must accompanied with a Pay Order of 2% earnest money including all taxes (refundable) in favour of **Director General, Pakistan Meteorological Service, Karachi**.
- 4). Tender documents (Free of cost) can be downloaded from websites: www.ppra.org.pk or www.pmd.gov.pk
- 5). China made items must be quoted in Renminbe (RMB) in case of FOB as per Govt. instruction.

-- Sd --

(SARFARAZ)
Chief Meteorologist
for Director General

SECTION-I

FOR SUPPLY ON F.O.R BASIS

T/E No. IP-2(3)/C.S/485/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 01: SPECIFICATION OF CAUSTIC SODA IN FLAKES.

Description of Store	Quantity
<p>Caustic Soda in flakes as 94% to 99% purity.</p> <p>Packing: Packed in metallic drum or Plastic drum containing 25Kgs. (excluding the weight of packing material). Packing must be suitable for Railway transportation.</p> <p>Note: a) 5Kgs. of Caustic Soda is required with quotation (Technical Proposal) for testing purpose.</p> <p>b) If, Tax/Duties already paid at the time of import, EXEMPTION CERTIFICATE from FBR must be attached, undertaking from supplier will not be accepted.</p>	9,000Kgs.

FORM OF QUOTATION FOR THE SUPPLY OF "CAUSTIC SODA".

Item No. 01

File# IP-2(3)/C.S/485/2019-20

<i>Description of store</i>	<i>Unit Price with GST (Rs.)</i>	<i>Qty</i>	<i>Total Price with GST (Rs.)</i>
<p>Caustic Soda in flakes with 94% to 99% purity.</p> <p>Note: Caustic Soda must provide desired Hydrogen Gas pressure on mixing with water and Ferrosilicon this Gas is used to fill in Met. Balloons.</p> <p>Packing: Packed in metallic drum or Plastic drum containing 25Kgs. (excluding the weight of packing material). Packing must be suitable for Railway transportation.</p>		9,000Kgs.	
Total Amount:			

T/E No. IP-2(3)/Ferro/486/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 02: SPECIFICATION OF FERROSILICON.

Description of Stores	Quantity
<p>Ferrosilicon Granular form (Silicon content 73% to 75%)</p> <p>Size: 0.25mm to 1mm (As per sample) Typical Analysis: Standard 75%</p> <p>Packing: Must be double packed in plastic bags containing 25Kgs. of ferrosilicon suitable for Railway transportation.</p> <p>Note: a) 5Kgs. of Ferrosilicon is required with quotation (Technical Proposal) for testing purpose.</p> <p>b) If, Tax/Duties already paid at the time of import, an EXEMPTION CERTIFICATE from FBR must be attached, undertaking from supplier will not be accepted.</p>	7,000Kgs.

FORM OF QUOTATION FOR THE SUPPLY OF "FERROSILICON".

Item No. 02

File# IP-2(3)/Ferro/486/2019-20

Description of store	Unit Price with GST (Rs.)	Qty	Total Price with GST (Rs.)
<p>Ferrosilicon Granular form (Silicon content 73% to 75%)</p> <p>Size: 0.25mm to 1mm (As per sample) Typical Analysis: Standard 75%</p> <p>Packing: Must be double packed in plastic bags containing 25Kgs. of ferrosilicon suitable for Railway transportation..</p> <p>Note: <i>Ferrosilicon must provide desired pressure of Hydrogen Gas on mixing with Caustic Soda and water, this Gas is used to fill in Met. Balloons.</i></p>		7,000Kgs.	
Total Amount:			

T/E No. IP-2(3)/WS Material/487/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 03: SPECIFICATION OF WORKSHOP MATERIALS.

S. Nos.	Description of store	Origen	Quantity
1	Stainless Steel sheet 22 Gauge (No.316) width 4' (Non Magnet)	Imported	100Kgs.
2	Stainless Steel sheet 24 Gauge (No.316) width 4' (Non Magnet)	Imported	200Kgs.
3	Stainless Steel sheet 28 Gauge (No.316) width 4' (Non Magnet)	Imported	100Kgs.
4	Angle Iron (size: 1/4" x 1½" x 1½")	Local	1000Kgs.
5	M.S. Flat Iron 1/4" x 1"	Local	1000 Kg.
6	Bearing Precision No.626	Imported	100 Nos.
7	Crystal Plastic sheet 2mm size 4' x 4'	Local	02 Nos.

FORM OF QUOTATION FOR THE SUPPLY OF "WORKSHOP MATERIALS".

Item No. 03

File # IP-2(3)/WS Material/487/2019-20

S. No.	Description of store	Origen	Unit Price With GST (Rs.)	Qty	Total Price With GST (Rs.)
1	Stainless Steel sheet 22 Gauge (No.316) width 4' (Non Magnet)			100Kgs.	
2	Stainless Steel sheet 24 Gauge (No.316) width 4' (Non Magnet)			200Kgs.	
3	Stainless Steel sheet 28 Gauge (No.316) width 4' (Non Magnet)			100Kgs.	
4	Angle Iron (size: 1/4" x 1½" x 1½")			1000Kgs.	
5	M.S. Flat Iron 1/4" x 1"			1000 Kg.	
6	Bearing Precision No.626			100 Nos.	
7	Crystal Plastic sheet 2mm size 4' x 4'			02 Nos.	
GRAND TOTAL:					

T/E No. IP-2(3)/Brass Rods/488/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 04: SPECIFICATION OF BRASS RODS & PIPES.

S. No.	Description of store	Origen	Quantity
1	Brass Round Pipe dia 7/8" Bore 5/8"	Imported	100Kgs.
2	Bronze Round Rod dia 1 1/8"	Imported	50Kgs.
3	Brass Round Rod dia 3/4"	Imported	100Kgs.
4	Brass Round Pipe 3/4"	Imported	50Kgs.
5	Brass Hexagonal Rod dia 1 1/4"	Imported	50Kgs.
6	Brass Hexagonal Rod dia 1/4"	Imported	50Kgs.
7	Brass Hexagonal Rod dia 7/8"	Imported	100Kgs.
8	Brass Scrape	Local	500Kgs.
9	Brass Round Rod dia 3"	Imported	100Kgs.
10	Brass Round Rod dia 1/2"	Imported	25Kgs.
11	Brass Hexagonal Rod dia 2"	Imported	100Kgs.

FORM OF QUOTATION FOR THE SUPPLY OF "BRASS RODS".

Item No. 04

File# IP-2(3)/Brass Rods/488/2019-20

S. No.	Description of store	Origen	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
1	Brass Round Pipe dia 7/8" Bore 5/8"			100Kgs.	
2	Bronze Round Rod dia 1 1/8"			50Kgs.	
3	Brass Round Rod dia 3/4"			100Kgs.	
4	Brass Round Pipe 3/4"			50Kgs.	
5	Brass Hexagonal Rod dia 1 1/4"			50Kgs.	
6	Brass Hexagonal Rod dia 1/4"			50Kgs.	
7	Brass Hexagonal Rod dia 7/8"			100Kgs.	
8	Brass Scrape			500Kgs.	
9	Brass Round Rod Dia 3"			100Kgs.	
10	Brass Round Rod Dia 1/2"			25Kgs.	
11	Brass Hexagonal Rod Dia 2"			100Kgs.	
GRAND TOTAL:					

T/E No. IP-2(3)/Paint/489/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 05: SPECIFICATION OF OIL PAINTS.

S. Nos.	Description of store	Brand	Quantity
1.	Gray Metallic Paint	ICI	10 Quarters
2.	Red Oil Paint	ICI	05 Buckets
3.	Golden Brown Paint	ICI	05 Buckets
4.	Black Oil Paint	ICI	05 Buckets
5.	White Oil Paint	ICI	10 Buckets
6.	Kerosene Oil	Local	100 Liters
7.	Thinner	Local	10 Liters

FORM OF QUOTATION FOR THE SUPPLY OF "OIL PAINTS".

Item No. 05

File# IP-2(3)/Paint/489/2019-20

S. No.	Description of store	Brand	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
1.	Gray Metallic Paint			10 Quarters	
2.	Red Oil Paint			05 Buckets	
3.	Golden Brown Paint			05 Buckets	
4.	Black Oil Paint			05 Buckets	
5.	White Oil Paint			10 Buckets	
6.	Kerosene Oil			100 Liters	
7.	Thinner			10 Liters	
GRAND TOTAL:					

T/E No. IP-2(3)/Wood/490/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 06: SPECIFICATION OF WOOD (Different types).

S. Nos.	Name of Articles	Country of origin	Quantity
01.	Partel Wood (Size: ¾" x 12" x 10')	Local	300 Planks
02.	Partel Wood (Size: ½" x 12" x 10')	Local	300 Planks
03.	Golden Teck (Size: ¾" x 12" x 10')	Malaysia/Imported	30 Planks
04.	Golden Teck Patti (Size: ½" x 3" x 10')	Malaysia/Imported	500 Patti
05.	Golden Teck (Size: ½" x 1" x 10')	Malaysia/Imported	300 Patti
06.	Pen Wood (Size: 1½" x 4" x 10')	Local	50Balli
07.	Pen Wood (Size: 3" x 3" x 10')	Local	30Balli

FORM OF QUOTATION FOR THE SUPPLY OF "WOOD".

Item No. 06

T/E No. IP-2(3)/Wood/490/2019-20

S. No.	Technical Specifications	Country of Origen	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
01.	Partel Wood (Size: ¾" x 12" x 10')			300 Planks	
02.	Partel Wood (Size: ½" x 12" x 10')			300 Planks	
03.	Golden Teck (Size: ¾" x 12" x 10')			30 Planks	
04.	Golden Teck Patti (Size: ½" x 3" x 10')			500 Patti	
05.	Golden Teck (Size: ½" x 1" x 10')			300 Patti	
06.	Pen Wood (Size: 1½" x 4" x 10')			50Balli	
07.	Pen Wood (Size: 3" x 3" x 10')			30Balli	
GRAND TOTAL:					

T/E No. IP-2(3)/Mis. Items_MWS/491/2019-20 Due open on 28-11-2019 at 11:30 PST

Item No. 07. SPECIFICATION OF MISCELLANEOUS ITEMS FOR MET. WORKSHOP.

S. No.	Description of store	Origen	Quantity
1.	Belgium Powder	Local	25Kgs.
2.	Plaster Paris	Local	20Kgs.
3.	Magic Epoxi Steel (Medium Size)	Local	36 Packets
4.	Magic Depoxi Glue (Medium Size)	Local	24 Packets
5.	Brass screw 3BA length 3/4 " (As per sample)	Local	25 Packets
6.	Brass screw size 6 BA length 3/4 " (As per sample)	Local	10 Packets
7.	Brass screw size 8 BA length 1/4 " (As per sample)	Local	10 Packets
8.	Molding Bottle No.16 (as per sample)	Imported	05 Nos.
9.	Drill Set 1/16" to 1 1/2"	Imported	03 Sets.
10.	Tape and Dies Sets 2mm to 25mm	Imported	02 Sets.
11.	Tape and Dies Sets 2mm to 0 BA to 10 BA	Imported	02 Sets.
12.	Nails Size 3" N0.12	Local	05Kgs.
13.	Nails Size 2 1/2" N0.14	Local	10Kgs.
14.	Nails Size 2" N0.12	Local	05Kgs.
15.	Nails Size 2" N0.14	Local	10Kgs.
16.	Nails Size 1 1/2" N0.14	Local	10Kgs.
17.	Nails Size 1 1/2" N0.17	Local	10Kgs.
18.	Nails Size 1" N0.17	Local	05Kgs.
19.	Nails Size 3/4" N0.17	Local	05Kgs.
20.	Nails Size 1 1/4" N0.17	Local	05Kgs.
21.	Nails Size 1/2" N0.22	Local	03Kgs.
22.	Steel Nails Size 3"	Local	02 Packet
23.	Steel Nails Size 2 1/2"	Local	02 Packet
24.	Screw Size(1 1/2") N0.7	Local	10 Packets
25.	Screw Size (1 1/4") N0.7	Local	06 Packets
26.	Screw Size (3/4") N0.5	Local	10 Packets
27.	Screw Size (1/2") N0.4	Local	10 Packets
28.	Screw Size 2" N0.8	Local	15 Packets
29.	Chain (Small Size) 1/4" As per sample	Local	05Kgs.
30.	Nut & Bolt (Round Head black colour) Size 1/4"x 2" 1/2"	Local	03 Packets
31.	Nut & Bolt (Round Head black colour) Size 1/4" x 1 1/2"	Local	06 Packets
32.	Nut & Bolt (Round Head Black Colour) Size 1/4"x 2" as per sample	Local	06 Packets
33.	Nut & Bolt (Round Head Black Colour) Size 1/4" x 3" as per sample	Local	03 Packets
34.	Glue White (Movilith)	Imported	10Kgs.
35.	Hinges Size 3" As per sample	Local	05 Packets
36.	Net (G.I.) size 4' x 6'	Local	1 No.
37.	Hook for S. Screen (i type)	Local	05 Packets.
38.	Ring for Hook 3/4"	Local	05 Packets.

Form of Quotation on the next Page.

FORM OF QUOTATION FOR THE SUPPLY OF "MISCELLANEOUS WORK SHOP ITEMS".

Item No. 07

T/E No. IP-2(3)/Mis. Items_MWS/491/2019-20

S. No.	Technical Specifications	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
1.	Belgium Powder		25Kgs.	
2.	Plaster Paris		20Kgs.	
3.	Magic Epoxi Steel (Medium Size)		36 Packets	
4.	Magic Depoxi Glue (Medium Size)		24 Packets	
5.	Brass screw size 3 BA length 3/4 " (As per sample)		25Packets	
6.	Brass screw size 6 BA length 3/4 " (As per sample)		10 Packets	
7.	Brass screw size 8 BA length 1/4 " (As per sample)		10 Packets	
8.	Molding Bottle No.16 (as per sample)		05 Nos.	
9.	Drill Set 1/16" to 1 1/2"		03 Sets.	
10.	Tape and Dies Sets 2mm to 25mm		02 Sets.	
11.	Tape and Dies Sets 2mm to 0 BA to 10 BA		02 Sets.	
12.	Nails Size 3" N0.12		05Kgs.	
13.	Nails Size 2 1/2" N0.14		10Kgs.	
14.	Nails Size 2" N0.12		05Kgs.	
15.	Nails Size 2" N0.14		10Kgs.	
16.	Nails Size 1 1/2" N0.14		10Kgs.	
17.	Nails Size 1 1/2" N0.17		10Kgs.	
18.	Nails Size 1" N0.17		05Kgs.	
19.	Nails Size 3/4" N0.17		05Kgs.	
20.	Nails Size 1 1/4" N0.17		05Kgs.	
21.	Nails Size 1/2" N0.22		03Kgs.	
22.	Steel Nails Size 3"		02 Packet	
23.	Steel Nails Size 2 1/2"		02 Packet	
24.	Screw Size(1 1/2") N0.7		10 Packets	
25.	Screw Size (1 1/4") N0.7		06 Packets	
26.	Screw Size (3/4") N0.5		10 Packets	
27.	Screw Size (1/2") N0.4		10 Packets	
28.	Screw Size 2" N0.8		15 Packets	
29.	Chain (Small Size) 1/4" As per sample		05Kgs.	
30.	Nut & Bolt (Round Head black colour) Size 1/4"x 2" 1/2"		03 Packets	
31.	Nut & Bolt (Round Head black colour) Size 1/4" x 1 1/2"		06 Packets	
32.	Nut & Bolt (Round Head black colour) Size 1/4" x 2" as per sample		06 Packets	
33.	Nut & Bolt (Round Head black colour) Size 1/4" x 3" as per sample		03 Packets	
34.	Glue White (Movilith)		10Kgs.	
35.	Hinges Size 3" As per sample		05 Packets	
36.	Net (G.I.) size 4' x 6'		1 No.	
37.	Hook for S. Screen (i type)		05 Packets.	
38.	Ring for Hook 3/4"		05 Packets.	
GRAND TOTAL:				

T/E No. IP-2(3)/Pack. Material/492/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 08. SPECIFICATION OF PACKING MATERIALS.

S. No.	Name of Articles	Quantity
1	Sealing Wax (Red), best quality	200Pkts.
2	Candle 1" Dia (Good Quality)	50Pkts.
3	Gunny Cloth (4 feet to 5 feet Width) brown colour.	1,000 Yards
4	Packing Cloth (White colour)	500 Yards
5	Match Box (50 Matches/Box) Brand: Hockey	50 Boxes
6	Thread Thick Brown (ستلی)	12 Bundle
7	Thread Thick White	10 Bundle
8	Plastic Sheet Roll (Each of 30Kgs.)	05 Rolls
9	German Glue	10 Bottles
10	i) Tape (Transparent) 2" width	10 Nos.
	ii) Tape (Transparent) 1½" width	10 Nos.
	iii) Tape (Transparent) 1" width	10 Nos.
11	Tape Brown 2 feet width	50 Nos.
12	Plastic Bags/ Gunny Bags (to pack 50Kgs. material)	100 Nos.
13	Binding Tape (Brown) 3" width	30 Nos.
14	Packing Machine width 1"	05 Nos.
15	Plastic Patti Bundle	05 Nos.
16	Needle (small Size for sewing parcels)	12 Nos.
17	Knife Cutter (Heavy duty)	12 Nos.
18	Black Marker	12 Nos.
19	Red Marker	12 Nos.

QUOTATION FORM ON NEXT PAGE

FORM OF QUOTATION FOR "PACKING MATERIALS".

Item No. 08

T/E No. IP-2(3)/Pack._Material/492/2019-20

S. No.	Description of store	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
1	Sealing Wax (Red), best quality		200Pkts.	
2	Candle 1" Dia (Good Quality)		50Pkts.	
3	Gunny Cloth (4 feet to 5 feet Width) brown colour.		1000 Yards	
4	Packing Cloth (White colour)		500 Yards	
5	Match Box (50 Matches/Box) Brand: Hockey		50 Boxes	
6	Thread Thick Brown (ستلی)		12 Bundle	
7	Thread Thick White		10 Bundle	
8	Plastic Sheet Roll (Each of 30Kgs.)		05 Rolls	
9	German Glue		10 Bottles	
10	i) Tape (Transparent) 2" width		10 Nos.	
	ii) Tape (Transparent) 1½" width		10 Nos.	
	iii) Tape (Transparent) 1" width		10 Nos.	
11	Tape Brown 2 feet width		50 Nos.	
12	Plastic Bags/ Gunny Bags (to pack 50Kgs. material)		100 Nos.	
13	Binding Tape (Brown) 3" width		30 Nos.	
14	Packing Machine width 1"		05 Nos.	
15	Plastic Patti Bundle		05 Nos.	
16	Needle (small Size for sewing parcels)		12 Nos.	
17	Knife Cutter (Heavy duty)		12 Nos.	
18	Black Marker		12 Nos.	
19	Red Marker		12 Nos.	
GRAND TOTAL:				

T/E No. IP-2(3)/Comm. Cable/493/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 09. SPECIFICATION OF COMMUNICATION CABLE.

S. No.	Name of Articles	Origin	Quantity
01	Communication Cable (20 Pairs) As per sample	Imported/Local	500 Meters
02	Communication Cable (7 Pairs) As per sample	Imported/Local	1,000 Meters
03	Electric Wire 7/29 Pakistan Cable or Equivalent	Local	4 Rolls (Each of 90 meters)
04	D. C. Wire for Solar System	Local	4 Rolls (Each of 90 meters)
05	Ethernet Cable CAT 6 Schneider / Baylan	Imported/Local	2 Rolls (Each of 300 meters)

FORM OF QUOTATION FOR THE SUPPLY OF "COMMUNICATION CABLE".

Item No. 09

T/E No. IP-2(3)/Comm. Cable/493/2019-20

S. No.	Description of store	Origen	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
01	Communication Cable (20 Pairs) As per sample	Imported/Local		500 Meters	
02	Communication Cable (7 Pairs) As per sample	Imported/Local		1,000 Meters	
03	Electric Wire 7/29 Pakistan Cable or Equivalent	Local		4 Rolls (Each of 90 meters)	
04	D. C. Wire for Solar System	Local		4 Rolls (Each of 90 meters)	
05	Ethernet Cable CAT 6 Schneider / Baylan	Imported/Local		2 Rolls (Each of 300 meters)	
GRAND TOTAL:					

T/E No. IP-2(3)/Machinery/494/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 10: SPECIFICATION OF MACHINERY REQUIRED FOR MET. WORKSHOP.

S. No.	Description of Stores	Origen	Quantity
01	Roller Machine 2 feet as per sample (F. J. Edward Limited)	Local/Imported	01 No.
02	Sheet Bending Machine 2 feet.		01 No.
03	Alpha bate Engraving Machine with motor & complete accessories		01 No.
04	Spot Welding Machine 25 KVA (18-24 Gauge)		01 No.
05	Victor or fine Lathe Machine Size 5feet spender Bore 3" - 4" Through Chuck 6", Dock Chuck 12", Electric Motor 3HP Siemens ready		01 No.
06	Buff Machine 1 HP Single Phase		01 No.
07	Sheet Roller Machine 4ft Shaft dia 2½" with complete accessories		01 No.
08	Gola Machine die size ⅛" to 1" with complete accessories		01 No.
09	Electric Hand Planner for Wooden Works		01 No.
10	Inverter Electric Welding Machine		01 No.
11	Table Hydraulic Gear drill Machine		01 No.

FORM OF QUOTATION FOR THE SUPPLY OF "MACHINERY FOR MET. WORKSHOP".

Item No. 10

T/E No. IP-2(3)/Machinery/494/2019-20

S. No.	Description of store	Origen	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
01	Roller Machine 2 feet as per sample (F. J. Edward Limited)			01 No.	
02	Sheet Bending Machine 2 feet.			01 No.	
03	Alpha bate Engraving Machine with motor & complete accessories			01 No.	
04	Spot Welding Machine 25 KVA (18-24 Gauge)			01 No.	
05	Victor or fine Lathe Machine Size 5feet spender Bore 3" - 4" Through Chuck 6", Dock Chuck 12", Electric Motor 3HP Siemens ready			01 No.	
06	Buff Machine 1 HP Single Phase			01 No.	
07	Sheet Roller Machine 4ft Shaft dia 2½" with complete accessories			01 No.	
08	Gola Machine die size ⅛" to 1" with complete accessories			01 No.	
09	Electric Hand Planner for Wooden Works			01 No.	
10	Inverter Electric Welding Machine			01 No.	
11	Table Hydraulic Gear drill Machine			01 No.	
GRAND TOTAL:					

T/E No. IP-2(3)/CCTV SYS./495/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 11: SPECIFICATION OF CCTV SECURITY SYSTEM WITH INSTALLATION.

Supply & Installation of CCTV SECURITY SYSTEM (with all the accessories) for the security of Met. Complex building, Institute of Meteorology and Geo Physics, Met. Workshop, Central Meteorological Stores, Karachi. A suitable Warranty/ Guarantee of the instruments and installed system must be mentioned in the quotation.		Complete System with installation.
S. No.	Description of store	Quantity
01	2MP IR Bullet Camera, Up to 1920 X 1080@30fps, S+265, H.265, H.264 HP/MP/BP, S+H.264 HP/MP/BP, M-JPEG, Min. Illumination Color:0.05 Lux, B/W: 0.01Lux,0 Lux with IR, Smart IR, IR Range: 30m, Operating Conditions-35 (IR ON), 0~95% RHG, POE, IP67. Brand: TIANDY, HYUNDAI or Equivalent	10 Nos.
02	2MP Straight IR Bullet Camera, Up to 1920 X 1080@30fps. Cable Free Design. H.264/M-JPEG Codec. Min. Illumination Color:0.5 Lux, B/W: 0.025Lux,0 Lux with IR, Smart IR, IR Range: 25m. VCA Tripwire/ Perimeter. Interface Micro SD Card Slot, up to 128GB, Reset Button.TVS 6000 V, Lightning/Surge Protection: (Power 2000V, RJ45 1000V), IP67. Operating Conditions - 35°C~60°C (IR OFF) /-35°C~40°C (IRON), 0~95% RHG. Case Material Metal. CE, FCC Brand: TIANDY, HYUNDAI or Equivalent	6 Nos.
03	PTZ Camera. ½.8” Sony Starlight sensor, 960P@25/30fps IR distance 150 meters: Speed 0.05°~400°/s, SDHC Card (64GB) TVS 6000V protection: IP66 Waterproof Alarm 1/1, Audio 1/1, Micro-SD, Low Illumination: 0.002Lux 20xOptical /16x Digital Brand: TIANDY, HYUNDAI or Equivalent	3 Nos.
04	20 Channel H. 265 Standard NVR 20ch 4K/6MP/5MP/4MP/3MP/1080P/720P/4CIF IP Camera Input: 1ch 4K/6MP/5MP/4MP, 2ch 3MP, 4ch 1080P, 5ch 720P/4CIF Real time Display :1ch4K/6MP/5MP/4MP, 2ch 3MP, 8ch 1080P/720/4CIF Sync playback : Support 1VA function , 1SATA, 1 HDMI & VGA, 2Bus. Brand: TIANDY, HYUNDAI or Equivalent	1 No.
05	6.0 TB Surveillance H.D.D Brand: SEAGATE or Equivalent	2 Nos.
06	Supply of Power Supply & RJ45 Connectors with Boxes	16 Nos.
07	Providing & Laying of Network Cable, Rack for NVR, Switches & Installation Charges (12,000 Feet) Brand: PONY or Equivalent	1 Job.
08	Providing & Laying of Fiber optic 6 Core Cable (5000 Feet) Brand: PONY or Equivalent	1 Job.
09	Providing & Laying of Power Cable (3500 Feet) Brand: PONY or Equivalent	1 Job.
10	Supply of Media Convertor Brand: PROLENS or Equivalent	3 Pairs
11	Splicing Charges	1 Job
12	Civil Work which include soft & Hard digging (Approx 3500 Ft)	1 Job
13	Supply of 32" LED Brand: SAMSUNG / ECOSTAR or Equivalent	2 Nos.
14	Supply of 20ft Pole	3 Nos.
15	Supply of HDMI (5 Meter)	1 No.
16	Supply of Wireless Mouse	1 No.
17	Supply of PDU	1 No.
18	Supply of 42U Rack	1 No.
19	Supply of 1.5 Ton AC	1 No.
20	Supply of 3KVA Online UPS with Batteries Brand: Emerson or Equivalent	1 No.
21	Installation, Commissioning & Programming Charges	1 Job
22	AMC for 2 years After Warranty	24 Nos.

FORM OF QUOTATION ON THE NEXT PAGE.

FORM OF QUOTATION FOR THE SUPPLY OF "CCTV SECURITY SYS."

Item No. 11

File# T/E No. IP-2(3)/CCTV SYS./495/2019-20

S. No.	Technical Specifications	Brand	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
01	2MP IR Bullet Camera, Up to 1920 X 1080@30fps, S+265, H.265, H.264 HP/MP/BP, S+H.264 HP/MP/BP, M-JPEG, Min. Illumination Color:0.05 Lux, B/W: 0.01Lux,0 Lux with IR, Smart IR, IR Range: 30m, Operating Conditions-35 (IR ON), 0~95% RHG, POE, IP67. Brand: TIANDY, HYUNDAI or Equivalent			10 Nos.	
02	2MP Straight IR Bullet Camera, Up to 1920 X 1080@30fps. Cable Free Design. H.264/M-JPEG Codec. Min. Illumination Color:0.5 Lux, B/W: 0.025Lux,0 Lux with IR, Smart IR, IR Range: 25m. VCA Tripwire/ Perimeter. Interface Micro SD Card Slot, upto 128GB, Reset Button.TVS 6000 V, Lightning/Surge Protection: (Power 2000V, RJ45 1000V), IP67. Operating Conditions - 35°C~60°C (IR OFF) /-35°C~40°C (IRON), 0~95% RHG. Case Material Metal. CE, FCC Brand: TIANDY, HYUNDAI or Equivalent			6 Nos.	
03	PTZ Camera. ½.8" Sony Starlight sensor, 960P@25/30fps IR distance 150 meters: Speed 0.05°~400°/s, SDHC Card (64GB) TVS 6000V protection: IP66 Waterproof Alarm I/1, Audio I/1, Micro-SD, Low Illumination: 0.002Lux 20xOptical /16x Digital Brand: TIANDY, HYUNDAI or Equivalent			3 Nos.	
04	20 Channel H. 265 Standard NVR 20ch 4K/6MP/5MP/4MP/3MP/1080P/720P/4CIF IP Camera Input: 1 ch 4K/6MP/5MP/4MP, 2ch 3MP, 4ch 1080P, 5ch 720P/4CIF Real time Display :1ch4K/6MP/5MP/4MP, 2ch 3MP, 8ch 1080P/720/4CIF Sync playback :Support 1VA function , 1SATA, 1 HDMI & VGA, 2Bus. Brand: TIANDY, HYUNDAI or Equivalent			1 No.	
05	6.0 TB Surveillance H.D.D Brand: SEAGATE or Equivalent			2 Nos.	
06	Supply of Power Supply & RJ45 Connectors with Boxes			16 Nos.	
07	Providing & Laying of Network Cable, Rack for NVR, Switches & Installation Charges (12,000 Feet) Brand: PONY or Equivalent			1 Job.	
08	Providing & Laying of Fiber optic 6 Core Cable (5000 Feet) Brand: PONY or Equivalent			1 Job.	
09	Providing & Laying of Power Cable (3500 Feet) Brand: PONY or Equivalent			1 Job.	
10	Supply of Media Convertor Brand: PROLENS or Equivalent			3 Pairs	
11	Splicing Charges			1 Job	
12	Civil Work which include soft & Hard digging (Approx 3500 Ft)			1 Job	
13	Supply of 32" LED Brand: SAMSUNG/ ECOSTAR or Equivalent			2 Nos.	
14	Supply of 20ft Pole			3 Nos.	
15	Supply of HDMI (5 Meter)			1 No.	
16	Supply of Wireless Mouse			1 No.	
17	Supply of PDU			1 No.	
18	Supply of 42U Rack			1 No.	
19	Supply of 1.5 Ton AC			1 No.	
20	Supply of 3KVA Online UPS with Batteries, Brand: Emerson or Equivalent			1 No.	
21	Installation, Commissioning & Programming Charges			1 Job	
22	AMC for 2 years After Warranty			24 Nos.	
Grand Total:					

T/E No. IP-2(3)/Photocopier/496/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 12: SPECIFICATION OF DIGITAL PHOTOCOPIER.

Description		Quantity
DIGITAL PHOTOCOPIER MACHINES		01 No.
Type	Desktop	
Speed	23 (CPM/PPM) or More	
Paper Feeding	Automatic Reversal Document feeder built in	
Duplex	Built in	
Network Printer	Built in	
Scanner	Color Scanner Built in	
Paper	Maximum A-3 (11" X17"), Min A-5 Envelop	
Capacity	350 Sheets (250 sheets tray + 100 bypass)	
Zoom	25% reduction to 400% enlargement, 1+ manual increment.	
Warm up time	25 Seconds.	
Memory	320 MB Standard (Max – 448 MB)	
Continues copy	Max. 999 copies	
Resolution	600 x 600 dpi	
Warranty	Not less than one year	

FORM OF QUOTATION FOR THE SUPPLY OF "DIGITAL PHOTOCOPIER".

Item No. 12

File# IP-2(3)/Photocopier/496/2019-20

Technical Specifications		Brand	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
Type				01 No.	
Speed					
Paper Feeding					
Duplex					
Network Printer					
Scanner					
Paper					
Capacity					
Zoom					
Warm up time					
Memory					
Continues copy					
Resolution					
Warranty					
Country of Origen					
Total Price:					

Note: In case duties already paid at the time of import, Exemption Certificate issued by FBR must be attached.

T/E No. IP-2(3)/A.C/497/2019-20

Due open on 28-11-2019 at 11:30 P.S.T

Item No. 13: SPECIFICATION OF AIRCONDITIONERS.

Description of Stores	Quantity
Air Conditioner, DC INVERTER (2 tons) with installation Type: Split Brand: HAIER ,GENERAL, PEL, L.G, ORIENT DELTA OR Equivalent. Note: <i>Installation charges must be mentioned separately.</i>	08 Nos.

FORM OF QUOTATION FOR THE SUPPLY OF "AIRCONDITIONERS".

Item No. 13

File# T/E No. IP-2(3)/AC/497/2019-20

Technical Specifications	Brand	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
Airconditioner DC INVERTER (2 tons) Type: Split			08 Nos.	
Total amount:				

T/E No. IP-2(3)/Battery/498/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 14 SPECIFICATION OF DRY BATTERIES.

Description of Stores	Quantity
<p>Dry Batteries (Gel, Maintenance Free)</p> <p>12V-200AH, Inverex (Taiwan Brand) /Leoch/ Homage or equivalent.</p> <p>Note: (i) Date of manufacturing must be latest. (ii) Warranty period must be sufficient.</p>	12 Nos.

FORM OF QUOTATION FOR THE SUPPLY OF "DRY BATTERIES".

Item No. 14

File# T/E No. IP-2(3)/Battery/498/2019-20

<i>Technical Specifications</i>	Origen/ Brand	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
<p>Dry Batteries Inverex (Taiwan Brand) /Leoch / Homage or Equivalent 12V-200AH (Gel, Maintenance Free)</p> <p>Note: (i) Date of manufacturing must be latest. (ii) Warranty period must be sufficient.</p>			12 Nos.	
Total amount:				

T/E No. IP-2(3)/Solar Sys./499/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 15. SPECIFICATION OF SOLAR SYSTEM.

No.	Name of Articles	Quantity
01	a) INVERTER 3 KVA (Inverex or Equivalent) Supported with 24V DC System, Compatible to Main Voltage 220 Volts and Generator, Configurable AC/SOLAR Charger priority Via LCD setting.	03 Nos.
	b) INVERTER 1.2 KVA (Inverex or Equivalent) Supported with 12V DC System, Compatible to Main Voltage 220 Volts and Generator, Configurable AC/SOLAR Charger priority Via LCD setting.	04 Nos.
02	SOLAR PANEL 150 Watts along with iron stand Panel Must be mono crystalline	12 Nos.

FORM OF QUOTATION FOR THE SUPPLY OF "SOLAR SYSTEM"

Item No. 15

T/E No. IP-2(3)/Solar Sys./499/2019-20

S. No.	Description of store	Origen	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
01	a) INVERTER 3 KVA (Inverex or Equivalent) Supported with 24V DC System, Compatible to Main Voltage 220 Volts and Generator, Configurable AC/SOLAR Charger priority Via LCD setting.			03 Nos.	
	b) INVERTER 1.2 KVA (Inverex or Equivalent) Supported with 12V DC System, Compatible to Main Voltage 220 Volts and Generator, Configurable AC/SOLAR Charger priority Via LCD setting.			04 Nos.	
02	SOLAR PANEL 150 Watts along with iron stand Panel Must be mono crystalline			12 Nos.	
GRAND TOTAL:					

T/E No. IP-2(3)/P. S. Paper/500/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No.16: SPECIFICATION OF PHOTO STAT PAPERS.

Description of Stores	Quantity
i) <u>Photo Stat Papers</u> of extra white quality (Imported, Branded) Packed in ream of 500 sheets according to below mentioned specification: Size: A4 (210mm X 297mm) Weight: Not less than 80GSM.	500 Reams
ii) <u>Photo Stat Papers</u> of extra white quality (Imported, Branded) Packed in ream of 500 sheets according to below mentioned specification: Size: Legal (216mm X 343mm) Weight: Not less than 80GSM. Note: <ul style="list-style-type: none"> a) 05 Sheets of A4 Size & Legal Size Photo Stat Papers must be enclosed with the Quotation for testing purpose. b) Brand name and Country of origin must be mentioned. c) FBR exemption certificate must be attached in the name of firm if GST paid at the time of import other wise deduction will be made at this office. 	120 Reams

FORM OF QUOTATION ON THE NEXT PAGE:

FORM OF QUOTATION FOR THE SUPPLY OF “PHOTO STAT PAPERS”.

Item No. 16

File# IP-2(3)/P.S Paper/500/2019-20

Technical Specifications		Country of Origen	Brand	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
Photo Stat Papers A4 Size					500 Reams	
Size						
Weight						
Colour						
Total amount (A4 Size):						
Photo Stat Papers Legal Size					120 Reams	
Size						
Weight						
Colour						
Total amount (Legal Size) :						

Note: In case duties already paid at the time of import, Exemption Certificate issued by FBR must be attached.

T/E No. IP-2(3)/Cont. Sheet/501/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 17: SPECIFICATION OF COMPUTER CONTINUOUS SHEETS.

Description of Stores	Quantity
<p><u>Computer Continuous Sheets:</u></p> <p>Size: (80 Columns) Weight: Not less than 63 GSM, Paper must be smooth not rough Packing: Box of 1,000 Sheets (\pm 10 Sheets) Country or origin: Pakistan (Local) Note: 05 Sheets must be enclosed with Quotation as Sample.</p>	200 Boxes

Note: In case duties already paid at the time of import, Exemption Certificate issued by FBR must be attached.

FORM OF QUOTATION FOR THE SUPPLY OF "COMPUTER CONTINUOUS SHEETS".

Item No. 17

File# IP-2(3)/Cont. Sheet/501/2019-20

<i>Technical Specifications</i>	<i>Brand</i>	<i>Unit Price with GST (Rs.)</i>	<i>Qty.</i>	<i>Total Price with GST (Rs.)</i>
Computer Continuous Sheets			200 Boxes	
Size				
Weight				
No. of sheets per Box				
Total amount:				

T/E No. IP-2(3)/Stationery/502/2019-20

Due open on 28-11-2019 at 11:30 PST

Item No. 18: SPECIFICATION OF OFFICE STATIONERY.

S. No.	Description of Store	Quantity
1	Eraser AL-20 (Pelikan, Large)	170 Nos.
2	Sharpener Silver (Dux)	130 Nos.
3	Pencil Black 3B (Gold Fish or Equivalent)	200 Nos.
4	Ball Pen Blue (Piano-Crystal)	1,000 Nos.
5	Ball Pen Red (Piano-Crystal)	320 Nos.
6	Ball Pen Blue (Signature)	430 Nos.
7	Ball Pen Red (Signature)	180 Nos.
8	Gum Stick (Large) UHU or Equivalent	35 Nos.
9	Stapler Pin (Large) Dollar (24/6)	60Pakts
10	Marker Black 90 Dollar	50 Nos.
11	Note Sheet (8½"X12½") WT.:80Gsm, white paper (each pad of 100 Sheets.	100 Pads.
12	Gum Bottle (142 Grams), Dollar or Equivalent	60 Bottles.
13	White Fluid Pen (Dux)	25 Nos.
14	Scotch Tape (2 Inch size)	18 Nos.
15	Paper Tape	50 Nos.
16	Ruled Register (8½"X14") , Large, 70Gms. (each register of 100-Sheets)	30 Nos.
17	Envelope (SE-5), with print ON PAKISTAN STATE SERVICE (As per sample)	3000 Nos.
18	Envelope (SE-6), with print ON PAKISTAN STATE SERVICE (As per sample)	3000 Nos.
19	Envelope (SE-8), 115 Gram, (11½"X15½")with print ON PAKISTAN STATE SERVICE	100 Nos.
20	File Cover (Blue Colour) , Size: 10"X13", Wt.:700 Grams (as per sample) with print Pakistan Meteorological Department, Met. Headquarter's Camp Office, Karachi.	340 Nos.
21	Pencil (Dux)	140 Nos.
22	Stapler SUN WOOD (Silver)	31 Nos.
23	Pointer Crystal, 07 (Blue)	140 Nos.
24	Pointer Crystal, 07 (Black)	120 Nos.
25	Paper Pin	50 Packets.
26	Ruled Register 70 Grams (8½"X14") each register of 100 Sheets	10 Nos.
27	Typing Paper (8 ½"x 12½"), 70 Grams (each ream of 400 Sheets)	55 Reams
28	File Board (10" X 14"), 200Gsm, Hard type	290 Nos.
29	Highlighter (Palikan) Yellow Colour	50 Nos.
30	Gem Clips (Size:33mm)	6Packts.
31	Dak Folder Large (9½"X14")	10 Folders

QUOTATION FORM ON NEXT PAGE:**FORM OF QUOTATION FOR THE SUPPLY OF "OFFICE STATIONERY".**

Item No. 18

File# IP-2(3)/Stationery/502/2019-20

S. No.	Technical Specifications	Brand	Unit Price with GST (Rs.)	Qty	Total Price with GST (Rs.)
1	Eraser AL-20 (Pelikan, Large)			170 Nos.	
2	Sharpener Silver (Dux)			130 Nos.	
3	Pencil Black 3B (Gold Fish or Equivalent)			200 Nos.	
4	Ball Pen Blue (Piano-Crystal)			1,000 Nos.	
5	Ball Pen Red (Piano-Crystal)			320 Nos.	
6	Ball Pen Blue (Signature)			430 Nos.	
7	Ball Pen Red (Signature)			180 Nos.	
8	Gum Stick (Large) UHU or Equivalent			35 Nos.	
9	Stapler Pin (Large) Dollar (24/6)			60 Packets	
10	Marker Black 90 Dollar			50 Nos.	
11	Note Sheet (8½"X12½") WT.:80Gsm, white paper (each pad of 100 Sheets).			100 Pads.	
12	Gum Bottle (142 Grams), Dollar or Equivalent			60 Bottles.	
13	White Fluid Pen (Dux)			25 Nos.	
14	Scotch Tape (2 Inch size)			18 Nos.	
15	Paper Tape			50 Nos.	
16	Ruled Register (8½"X14") , Large, 70Gms. (each register of 100-Sheets)			30 Nos.	
17	Envelope (SE-5), with print ON PAKISTAN STATE SERVICE (As per sample)			3000 Nos.	
18	Envelope (SE-6), with print ON PAKISTAN STATE SERVICE (As per sample)			3000 Nos.	
19	Envelope (SE-8), 115 Gram, (11½"X15½")with print ON PAKISTAN STATE SERVICE			100 Nos.	
20	File Cover (Blue Colour) , Size: 10"X13", Wt.:700 Grams (as per sample) with print Pakistan Meteorological Department, Met. Headquarter's Camp Office, Karachi.			340 Nos.	
21	Pencil (Dux)			140 Nos.	
22	Stapler SUN WOOD (Silver)			31 Nos.	
23	Pointer Crystal, 07 (Blue)			140 Nos.	
24	Pointer Crystal, 07 (Black)			120 Nos.	
25	Paper Pin			50 Packets.	
26	Ruled Register 70 Grams (8½"X14") each register of 100 Sheets			10 Nos.	
27	Typing Paper (8 ½"x 12½"), 70 Grams (each ream of 400 Sheets)			55 Reams	
28	File Board (10" X 14"), 200Gsm, Hard type			290 Nos.	
29	Highlighter (Palikan) Yellow Colour			50 Nos.	
30	Gem Clips (Size:33mm)			6 Pckts.	
31	Dak Folder Large (9½"X14")			10 Folders	

Item No. 19. SPECIFICATION OF TONERS FOR PHOTO COPIER MACHINES.

S. Nos.	Description of Stores	Quantity
01	Toner for Photo Copier KYOCERA KM 2035 (TK-4010)	02 Nos.
03	Toner for Digital Photocopier SHARP AR 5620V	8 Nos.
04	Toner for Digital Photocopier SHARP AR 6023	01 No.
05	Toner for Digital Photocopier RICOH MP 2001L	10 Nos.
06	Toner for Photo Copier Ricoh MP-2501 L	18 Nos.
07	Toner for TOSHIBA Photo Copier Machine e-Studio 2303A (Toner No. T-2309).	07 Nos.
08	Toner for TOSHIBA e-Studio 2309 A (Toner No. T-2309)	03 Nos.

Note:

- i) Toners must be Genuine/ Original.
- ii) Look like or Compatible toners are not acceptable.
- iii) Country of origin must be mentioned & length of expiry must be sufficient.

FORM OF QUOTATION ON THE NEXT PAGE:**FORM OF QUOTATION FOR THE SUPPLY OF "PPC TONERS".**

Item No. 19

File# IP-2(3)/PPC Toners/503/2019-20

S. Nos.	Technical Specifications	Origen	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
01	Toner for Photo Copier KYOCERA KM 2035 (TK-4010)			02 Nos.	
02	Toner for Plain Paper Copier MINOLTA EP-3000			12 Nos.	
03	Toner for Digital Photocopier SHARP AR 5620V			8 Nos.	
04	Toner for Digital Photocopier SHARP AR 6023			01 No.	
05	Toner for Digital Photocopier RICOH MP 2001L			10 Nos.	
06	Toner for Photo Copier Ricoh MP-2501 L			18 Nos.	
07	Toner for TOSHIBA Photo Copier Machine e-Studio 2303A (Toner No. T-2309).			07 Nos.	
08	Toner for TOSHIBA e-Studio 2309 A (Toner No. T-2309)			03 Nos.	

No.IP-2(3)/Printer Toner/504/2018-19

Due open on 28-11-2019 at 11:30 PST

Item No. 20. SPECIFICATION OF PRINTER TONERS.

S. Nos.	Description of Stores	Quantity
01.	Toner Cartridge for HP Desk Jet 810C/ 890 (Black)	03 Nos.
02.	Toner Cartridge for HP Desk Jet 810C/ 890 (Colour)	03 Nos.
03.	Printer Cartridge for HP Laser Jet P1005	03 Nos.
04	Toner for HP Laser Jet 1020 (12A)	14 Nos.
05.	Toner Cartridge for HP Laser jet M125A (83A)	08 Nos.
06.	Toner Cartridge for HP Laser jet 1320 (49 A) Printer	20 Nos.
07.	Toner Cartridge for HP Laser jet 1102 P Printer	15 Nos.
08.	Toner Cartridge for HP Laser Jet Pro 400 M401a	15 Nos.
09.	Toner Cartridge for HP Laser Jet Pro 400 M102a	06 Nos.
10.	Toner Cartridge for HP Laser jet 1200 Printer (15A)	04 Nos.
11.	HP Laser Jet 2300 dn	02 Nos.
12.	Toner for Samsung/Monochrome Laser Printer ML 1660 ML T-D-104S	02 Nos
13	Cartridge for HP Colour Laser M553 PCL6 Printer	01 Set (Four Colors)
14.	Printer Cart. for Color Laser Jet MFP M477 fdw	01 Set.
15.	Ribbon Cartridge for EPSON LQ-2180 Printer	06 Nos.
16.	Ribbon Cartridge for EPSON LQ-2090 Printer	06 Nos.
17.	Ribbon Cartridge for EPSON LQ-2190 Printer	15 Nos.
18.	Ribbon Cartridge for EPSON LQ-300+ Printer	20 Nos.
19.	Ribbon Cartridge for LX-300+ Printer	10 Nos.
20.	Ribbon Cartridge for EPSON LQ-310 Printer	30 Nos.

Note:

- i) Toners must be Genuine/ Original.
- ii) Look like or Compatible toners are not acceptable.
- iii) Country of origin must be mentioned & length of expiry must be sufficient.

FORM OF QUOTATION ON THE NEXT PAGE:**FORM OF QUOTATION FOR THE SUPPLY OF "PRINTER TONERS".**

S. Nos.	Technical Specifications	Origen	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
01.	Toner Cartridge for HP Desk Jet 810C/ 890 (Black)			06 Nos.	
02.	Toner Cartridge for HP Desk Jet 810C/ 890 (Colour)			06 Nos.	
03.	Printer Cartridge for HP Laser Jet P1005			03 Nos.	
04.	Toner for HP Laser Jet 1020 (12A)			14 Nos.	
05.	Toner Cartridge for HP Laser jet M125A (83A)			08 Nos.	
06.	Toner Cartridge for HP Laser jet 1320 (49 A) Printer			20 Nos.	
07.	Toner Cartridge for HP Laser jet 1102 P Printer			15 Nos.	
08.	Toner Cartridge for HP Laser Jet Pro 400 M401a			15 Nos.	
09.	Toner Cartridge for HP Laser Jet Pro 400 M102a			03 Nos.	
10.	Toner Cartridge for HP Laser jet 1200 Printer (15A)			04 Nos.	
11.	Toner for HP Laser Jet 2300dn			02 Nos.	
12.	Toner for Samsung/Monochrome Laser Printer ML 1660 ML T-D-104S			02Nos	
13.	Cartridge for HP Colour Laser M553 PCL6 Printer			01 Set (Four Colors)	
14.	Printer Cart. for Color Laser Jet MFP M477 fdw			01 Set.	
15.	Ribbon Cartridge for EPSON LQ-2180 Printer			06 Nos.	
16.	Ribbon Cartridge for EPSON LQ-2090 Printer			06 Nos.	
17.	Ribbon Cartridge for EPSON LQ-2190 Printer			15 Nos.	
18.	Ribbon Cartridge for EPSON LQ-300+ Printer			20 Nos.	
19.	Ribbon Cartridge for LX-300+ Printer			10 Nos.	
20.	Ribbon Cartridge for EPSON LQ-310 Printer			30 Nos.	
Grand Total:					

TERMS & CONDITIONS FOR F.O.R., KARACHI BASIS.

1. **Delivery of Stores:** Stores is required on **F.O.R** Karachi basis at C.M.S, Karachi within one month from the date of contract on free delivery to consignee basis, including all Taxes and other charges livable, if any.
2. **Terms & Conditions:** The tenderer is invited for the supply of goods as per given specification.
3. **Bidding Procedures:** **Single-stage two envelops** i.e. **Technical and Financial.**
The bid submitted by the bidder shall comprise of two envelops submitted simultaneously, one containing only the **Technical Proposal** and the other one **Financial Proposal.**
 - **Technical Proposal:** Complete specification of the quoted item on the firm's letterhead with copies of NTN and GST certificates, copy of Payorder or Bank draft of 2% earnest money in favour of Director General, Meteorological Services, Karachi.
 - **Financial Proposal :** Price proposal/Quotation on the firm's letterhead, Original Payorder of 2% earnest money in favour of Director General, Meteorological Services, Karachi.
4. **SPECIAL INSTRUCTIONS:**
 - a) **Validity:** Offer should be valid for **60 days** from the date of opening of tender.
 - b) **Earnest Money:** The tenderer should accompanied by an Earnest money @ 2% of the total value of bid/offer including G.S.T (If the bid amount exceeds from Rs.100,000) in the form of Pay Order/Bank Draft only from a scheduled Bank made in favour of Director General , Meteorological Services, Karachi. The Earnest Money shall be subject to forfeiture if after opening of the tenders, a tenderer with draws his offer before the period for which his offer is valid. The offer with insufficient Earnest Money or without Earnest Money will be rejected straightaway. Separate Pay Order /Bank Draft for each tender (Serial No.) may be submitted positively.
 - c) In case of placement of contract supplier is required to pay STAMP DUTY to Government of Sindh or require to submitted STAMP PAPER @0.35% of the contract value to this office under Article 15(a) of the Schedule to the Stamp Act, 1899.
 - d) Successful Tenderer / Firm is required to submit 2% Earnest Money of the total contract value including all taxes, this amount will be converted into Security Deposit, and firm will deposit the remaining 3% amount of security deposit, required other than Earnest Money amount available with Department within 5 days, time failing which the Earnest Money will be forfeited and risk purchase effected at the cost of such defaulting firm.
 - e) Tenderers should indicate their National Tax Number/ G.S.T. No. issued from concerned Regional Income Tax Department and Collectorate of Sales Tax. Copies of both certificates must be attached with offers.
 - f) Tenderers should indicate their National Tax Number/ G.S.T. No. issued from concerned Regional Income Tax Department and Collectorate of Sales Tax. Copies of both certificates must be attached with offers.
 - g) **Price quoted should be firm and final**, inclusive of all taxes, Sales Tax etc. Tenderers should note that if, during the currency of contract any Tax or Duties etc. alter or levied by the Government it would be the responsibility of the firm.
 - h) The quantity may be increased or decreased at the buyer's option.
 - i) Tenderers are required to submit genuine offers after fulfilling the requirements of the Tender Enquiry. In case of fake offer or where the offer contain willful mis-representation, the same will be considered gross mis-conduct and fraud, which will lead to not only ignoring of the offer but may also led to blacklisting / forfeiture of Earnest Money.

- j) Department reserves the right to accept or reject any items or all tender according to PPRA rules.
- k) If for any reason the office remains closed on the date of opening of the tenders, the tender will be opened on the next working day at the same time and place.

- l) The firms declared as blacklisted by any Government Agency are not eligible for participation in the Tender business through this Department

- m) Late tenders i.e. tenders received after opening of tender box will neither be received nor entertained nor accepted and will be returned by hand or by mail.

- n) Country of Origin must be mentioned for each item with brand name if any. Offer will be ignored / rejected if country of origin is not mentioned.

- o) **Penalty/ Liquidated damages:** For failure to comply with delivery schedule of contract for supply / purchase order, to be issued against this tender inquiry , penalty will be imposed on defaulting firm as under:
 - i. 0.25% of the cost of entire purchase order or of such item as remains un-supplied /un-completed for every day exceeding the delivery period.
 - ii. If the item is not supplied even after payment of penalty for 10 consecutive days P.M.D reserves the right to cancel contract for supply / purchase order and to purchase required equipment from elsewhere at risk and cost of the defaulting
 - iii. The once successful bidders who are issued with the work order contract for supply / purchase order after offer and acceptance , intends to retract /retreat from the promise to supply their bid security would be forfeited and the firm would be blacklisted.

--Sd--

(SARFARAZ)
Chief Meteorologist
for Director General
Pakistan Meteorological Department

SECTION-II

FOR SUPPLY ON F.O.B/C.I.P BASIS

No. IP-1(3)/Met. Balloons/FE/505/2019-20

Due open on 12-12-2019 at 11:30 PST

ITEM NO. 1: SPECIFICATION OF METEOROLOGICAL BALLOONS (on F.O.B basis).

S. No.	Description of Stores	Quantity
01.	<p><u>METEOROLOGICAL BALLOONS 30Gms.</u></p> <ol style="list-style-type: none"> Nominal weight : 30gms. Weight : 30±5gms Deflated body dia. : 250 mm ± 50 mm Internal Neck dia. :52 mm ± 5mm Neck length : 80 mm ±10mm Min bursting dia when inflated : 1000 mm with air at ground. Material and color : Natural red rubber. Min. Flying height : 3Kms. 	12,000 Nos.
02.	<p><u>METEOROLOGICAL BALLOONS 100Gms.</u></p> <ol style="list-style-type: none"> Nominal Weight : 100Gms. Weight : 100±10gms. Deflated body dia. : 400 ±50 mm. Internal Neck dia. : 70 mm ± 10 mm. Neck Length. : 80 mm ± 20 mm. Min. Bursting dia. :1600 mm (Min.) Material & Colour. : Synthetic or natural uncolored rubber.: Min. Flying height. : 6 Kms. 	8,000 Nos.
03.	<p><u>METEOROLOGICAL BALLOONS 200 Gms.</u></p> <ol style="list-style-type: none"> Nominal Weight : 200Gms. Weight : 200±10Gms. Deflated body dia. : 610 ±40 mm. Internal Neck dia. : 64 mm ± 10 mm. Neck Length. : 100 mm ± 20 mm. Min. Bursting dia. :3000 mm (Min.) Material & Colour. : Synthetic or natural uncolored rubber.: Min. Flying height. : 17Kms. 	150 Nos.

Note: China made instruments must be quoted in Renminbe (RMB) other currencies will not be accepted.

GENERAL DESCRIPTION:-

The balloons must be of extensible material and shall be spherical or pear shaped when in flat. The material should be of high quality natural or synthetic rubber free from Pinholes, blemishes and particulars of foreign after with uniform thickness except near the neck where increased thickness is required for extra strength. The color shall be deep opaque and evenly spread so that it does not present a patchy Appearance when inflated. The balloons should be sufficiently robust to with stand normal handling during release in dusty winds. The balloons should not be more than 6 months old when received in stores and must retain their performance under normal storage conditions in tropics for minimum period of 12 months from the date of receipt in store.

PACKING & MARKING:-

- The balloons should be thoroughly dry dusted inside and outside with fresh chalk/any Dehydrating powder.
- The balloons shall be folded in their natural folds and then rolled up and each balloon wrapped and sealed separately in a moisture proof cellophane or other approved soft protecting wrapping material.
- The wrapping should be marked:-
 - Weight.
 - Maker's name and brand.
 - Co lour
 - Date of manufacture.
- Packed balloons should be supplied in cartons made from stiff cardboard & each carton containing the following number of balloons.
 - i. 30gm – 100 Nos. ii) 100gm. - 60 Nos. iii) 200 gm – 30 Nos or suitable quantity
 - Suitable number of cartons should be packed in wooden cases suitable for rail or ship transport.
- Carton should be marked as follows:
 - A.T. No. and date.
 - Meteorological balloons.
 - Size of balloons.
 - Date of manufacture.
 - Quantity.

f) Maker's name

NOTE:

1. Tenders are required to offer their rates in Renminbe (RMB) if the Balloons are China made.
2. Tenderers are required to indicate maker's name and its complete address and country of origin in their offer.
3. Tenderers are required to clearly mention brand name of the balloon & submit original technical literature/leaflet of the offered store.
4. **Tenderers are also required to submit 05 Nos. balloons separately for each type as sample in the office of the Chief Meteorologist, Met. Headquarters, Camp Office, Karachi before opening of the tender.**
5. Tenders are required to confirm the balloons shall not be more than 6 months old when supplied to consignee.
6. Tenderers are required to confirm that the supplied balloons shall retain their performance under normal storage condition tropics for a minimum period of 12 months from the date of supplies by consignee.
7. Tenderers are required to confirm categorically T/E specification packing and marking requirements in all respect.
8. Tenderers are required to confirm that they will replace the supplied stores free of cost if found defective on use during shelf-life period.
9. Tenderers are required to confirm satisfactory performance of balloons offered at the required flying height.
10. Tenderers are required to submit original Performa invoice of their principal/manufacture containing detailed technical specification of the offered store.

No.IP-1(3)/RS/FE/506/2019-20

Due open on 12-12-2019 at 11:30 PST

Item No. 2. SPECIFICATION OF VAISALA RADIOSONDE, RS41-SG (On F.O.B. or CIP Basis).

Item No.	Description of Store	Quantity
01	VAISALA Radiosonde RS41-SG Transmitters	90 Nos.

No.IP-1(3)/Elec. Anemo./FE/507/2019-20

Due open on 12-12-2019 at 11:30 P.S.T

Item No. 3 **SPECIFICATION OF ELECTRICAL ANEMOMETER WITH WIRE LESS CONNECTIVITY (On F.O.B.Basis).**

Part-A Electrical Anemometer with wireless connectivity**Part-B Digital Handheld Anemometer**

No	Part Number	Description of Stores	Quantity
01	IM147	<p style="text-align: center;"><u>Part-A</u></p> <p>Electrical Anemometer with wireless connectivity including Temperature & Humidity Sensor <i>Munro, U. K. or Equivalent</i></p> <p>(Combined In-Line Wind Speed and Wind Direction Transmitter)</p> <p>Comprising:</p> <ul style="list-style-type: none"> • IM124 Cup Generator Anemometer • IM145 Wind Direction Transmitter <p>Specifications: Start Threshold: 3±1 Knots Speed Range: 0-180 Knots Speed Accuracy: Below 40 Knots ±1 Knot, Above 41 Knots ±2 Knots Direction Range: 0-360° Direction Accuracy: ±1° Operating Temp.: -40°C to + 100°C Operating Humidity: 98% non-condensing Combined Height: 840 mm Fin tip to axis: 790 mm Fixing: 2 inch BSP internal Weight: 16.25 kg.</p>	01 No.
02	SX213	<p>5-Core Cable for IM147 (per metre) To connect IM147 to 150/RPS/80W Radio Transceiver & Power Supply Enclosure</p>	15 Meters
03	150/T10	<p>HD9008TRR Dual Temperature & Humidity Transmitter</p> <p>Includes 16-Ring Radiation Shield, Fitting Bracket and cable.</p> <p>Humidity</p> <p>Sensor Type: Capacitive Measuring Range: 0-100% RH Accuracy (at 20°C): ±1.5% (0-90% RH), ±2% (90- 100%)</p> <p>Temperature</p> <p>Sensor Type: 4-wire Pt100 1/3 DIN Measurement Range: -40°C to + 80°C Accuracy: ±0.15°C, ±0.1% of measurement</p> <p>General</p>	01 No.

		Power Supply: 10-40 VDC Operating Conditions: -40°C to +80°C / 0-100% RH	
04	150/RPS/80W	Radio Transceiver & Power Supply Enclosure [TRANSMIT] Also includes Dipole Antenna, Solar Panel, Charge Controller & Lead Acid Battery (12V 22AH). Pre-configured. Install at sensor location.	01 No.
05	150/RPS/80W RECEIVER	Radio Transceiver Enclosure [RECEIVE] Also includes Dipole Antenna Pre-configured Install at First Visualization Place (Meteorological Office).	01 No.
06	CABLE1	Coaxial Cable to suit Dipole Antennae & Transceivers 1. To connect Outdoor Radio Transceiver & Power Supply Enclosure to Dipole Antenna (Installation Place/Runway) [15 metres] 2. To connect Dipole Antenna to Radio Transceiver Enclosure (First Visualization Place/Meteorological Office) [15 metres] <i>Coaxial cable length must not exceed 15 metres in case of signal loss.</i>	30 Meters
07	CABLE2	4-Core Cable To connect Radio Transceiver Enclosure [RECEIVE] to Data Acquisition System	60 Meters
08	150/DAS	Data Acquisition System (WindDAS) Digital graphical recording unit comprising: <ul style="list-style-type: none"> • 1 x Main Recorder/Controller (9.2 cm Colour TFT LCD) • 1 x SX2368 Transformer/Power Supply for IM147 with 4-20 mA Converter (fitted inside Radio Transceiver Enclosure) • Network switch Features required: <ul style="list-style-type: none"> • Monitor wind speed, wind direction, temperature and humidity in real time on a full colour TFT LCD screen; 	01 No.

		<ul style="list-style-type: none"> Visualise data in numerical and graphical format; Calculate additional variables automatically (2-minute average, 10-minute average, max/min. gust etc.)* Operate multiple screens independently within a Local Area Network (LAN); Customise alarm and notification settings; Store and archive data quickly and securely; Integrate within an existing Ethernet instrumentation network; Access data remotely via a webserver (LAN Portal) Modbus TCP/IP communications. 	
09	150/HMI855	<p>14.5 cm Touch-Panel HMI Screen – 320 x 240 px</p> <p>QVGA – 5.7” TFT – 16 MB</p> <p>HMI screen for use with 150/DAS Data Acquisition System. Data visualization at:</p> <p>1. Meteorological Office 2. Air Traffic Control 2. Air Traffic Control</p>	02 Nos.
10	150/WIGATE	<p>5 GHz Outdoor Point-to-Point Wireless Bridge</p> <p>Comprising two high-gain dual-polarised panel antennae (IP67).</p> <p>To facilitate data transfer to second location in airport.</p> <p>Also includes heavy-duty wall-/pole-mounting brackets.</p> <p>- WLAN Standard: IEEE 802.11 a/n, iPoll (proprietary) - Radio Frequency Band: 5.150-5.5850 GHz - License free</p>	01 No.
11	CABLE3	<p>Outdoor Shielded Cat 5e Network Cable</p> <p>To connect 150/WIGATE antennae to Network Switches [2 x 75 meters]</p> <p><i>Cable length must not exceed 75 meters</i></p>	150 Meters
12	CABLE4	<p>Indoor Cat 5e Network Cable</p> <p>5 x 5-metre Ethernet Cable for internal switch connections</p>	25 Meters
<u>Part-B</u>			
MUNRO HANDHELD ANEMOMETER IM161 OR EQUIVALENT			02 Nos.
Required specification of Handheld Anemometer			

Wind Speed	0-60 knots, 0-60 mph or 0-30 m/s	
Wind Resolution	2 Knots	
Wind Accuracy	± 0.5 knots below 30 knots, ± 1 knot above 30 knots	
Start Threshold	2 Knots	
Dimensions	36 mm (Cup Diameter), 210 mm (Length), 52 mm (Axis to Outer Cup Edge)	
Weight	450 g	

Note: China made instruments must be quoted in Renminbe (RMB) other currencies will not be accepted.

Basis).

Description of Stores	Quantity
<p>DIGITAL BALLOON THEODOLITE TD-4 with complete accessories TAMAYA OR (H & W) Or Equivalent.</p> <p>Digital Balloon Theodolite is required with a Telescope mounted so that it can rotate in both Azimuth and Elevation directions, with Main Telescope and Sighting Telescope (Optional). It must have a detachable or fixed compass, with carrying case and Tripod as per following specification.</p> <ul style="list-style-type: none"> ❖ <u>Main Telescope</u> <ul style="list-style-type: none"> Diameter 47mm Magnification 18X Image Inverted Field of view 2°30' Resolution 3.5" ❖ <u>Digital Angle Display</u> <ul style="list-style-type: none"> Azimuth 0° - 360° Elevation 0° - 360° Smallest unit 0.01° (for both azimuth and elevation) Display LCD (16 digits, 2 lines) ❖ <u>Functions</u> <ul style="list-style-type: none"> Clock function Built-in real time clock Calendar function Timer 1-99 seconds Command and alarm Buzzing ❖ <u>Level Vial Sensitivity</u> 90"/2mm ❖ <u>Power</u> <ul style="list-style-type: none"> Main Power Lithium ion battery ❖ <u>Accessories required with each Theodolite.</u> <ul style="list-style-type: none"> Hood1Piece Eyepiece filters1Piece Tubular compass1Piece Level vial adjusting Pin1Piece Earphone for buzzer1Piece Tripod1Piece Battery charger1Piece Carrying case1Piece Instruction Manual1Piece ❖ <u>Optional items</u> <ul style="list-style-type: none"> Printer for TD-41Set Software for TD-41Set RS-232C Interface cable for PC1Set Chart Papers (10 rolles/set)1Set <p>Note: China made instruments must be quoted in Renminbe (RMB) other currencies will not be accepted.</p>	<p>03 Nos.</p>

Item No. 5 SPECIFICATION OF PORTABLE (High Pressure) HYDROGEN GAS GENERATOR (On F.O.B. Basis).

Description of Stores		Quantity
<p><u>Portable Hydrogen Gas Generator (SPE) CCEC-500</u></p> <p>Hydrogen Gas Generater is required to prepare High Pressure Hydrogen Gas to store & fill the Meteorological Balloons (upto 350 gms.) at Pilot Balloons observatory.</p>		01 No.
Hydrogen gas flow (ml/min.)	500	
Hydrogen gas purity (%)	≥99.999%	
Output pressure (MPa)	0.4 MPa, 0.8 MPa	
Requirement on pure water	>1M Ω deionized water or redistilled water	
Power source	AC, 220V, 50-60Hz	
Power consumption (W)	≤150W	
Overall dimensions (mm)	310 x 285 x 370	
Weight (Kg)	≤20 Kg	
<p>Note: China made instruments must be quoted in Renminbe (RMB) other currencies will not be accepted.</p>		

BASIS/CIP BASIS).

S. No.	Description of Stores		Quantity
01	Vaisala HUMICAP HMP155 - Humidity and Temperature Probe for out door applications or Equivalent HMP155A: Analog Output for Humidity and Temperature 1 EA Analog Output (CH1+CH2) Output 0...5V1 EA Air Temperature in range -40 ... +60°C (-40... +140°F)1 EA RH (0...100%RH)1 EA Metric Units1 EA H180R+PT1001 EA Sintered PTFE-filter, Best protection for Long-term Stability1 EA 10m Cable with Connector on HMP155 End + Open1 EA Leads on the Other End RH&T-calibration in room temperature1 EA Quick Reference Guide HMP1551 EA		10 Nos.
02	Vaisala Digital Barometer PTB330 OR Equivalent Class A Accuracy (± 0.15 hPa over full temperature range)1 EA Cover without Display1 EA Standard (24 VDC)1 EA Baro-1 Module 500...1100hPa1 EA Cable Bushing1 EA Pressure Connector M5 (10-32)1 EA User's Guide PTB3301 EA		10 Nos.
03	Vaisala Combined Wind Sensor (With Two Wipers) WMS302 or Equivalent Cable 221551 or Equivalent		4 Nos.
04	Vaisala WXT 536 Multiparameter Weather Transmeter or Equivalent		1 No.
05	a)	Ultrasonic Wind Sensor Vaisala WMT700 or Equivalent 0...65 m/s -10...+60 °C Transducer + Arm Heating Isolated Serial Output RS485 Digital Message Format NMEA Version 0183 Output Unit M/S Analog Output Disabled for Wind Speed Analog Output Disabled for Wind Direction Cable 10 M For MAWS Installation WMT70 Connector cover Mounting Adapter 30/60	1 No.
	b)	Vaisala HMP155 - Humidity and Temperature Probe for Outdoor Applications or Equivalent HMP155D: Analog Output for Humidity, Passive Output for Temperature Analog Output (CH1+CH2) Output 0...1V No Analog Output RH (0...100%RH) Metric Units H180R and Separate PT100 incl. shrinkable tubing Sintered PTFE-filter, Best protection for Long-term	01 No.

		Stability RH&T-calibration in room temperature	
	C)	Cable, Extension M12 8N Female to Male, 3M	01 No.

Note: China made instruments must be quoted in Renminbe (RMB) other currencies will not be accepted.

No.IP-1(3)/DCM/FE/509/2019-20

Due open on 12-12-2019 at 11:30 PST

Item No. 7 SPECIFICATION OF SEISMIC DIGITIZER WITH COMMUNICATION MODULE with accessories (On F.O.B. Basis).

S. No.	Description of Stores	Quantity
01	<p>Smart Seismic Digitizer with Data Communication Module (with all accessories)</p> <p>Specification:</p> <p>Primary Digitization Channel: 4-8 channel at 24 bits. Trigger Modes: STA/LTA triggering. Memory Storage: Dual redundant 64 GB micro SD card or above. (1 fixed, 1 hot-swappable) Dynamic Range: > 135.5db @ 100 sps. Communication Technologies: Ethernet and POE or integrated internet sim technology. Network Protocols: UDP/TCP/IP. Retrieval function: Data should be recovered by http server and ftp. GNSS system: Compact encapsulated GPS/GLONASS/BeiDou receiver or GPS antenna with 30m cable. Power supply: 10-36V DC. Must be Compatible Sensors: CMG-40T (CMG-T40-00390) and CMG-3T (CMG-T30-0034) Guralp Seismometers Sensors. Data streaming protocol: GCF(Scream!) and GDI-link, SEEDlink, MiniSeed Operating system: Windows and Linux.</p>	05 Sets

Note: China made instruments must be quoted in Renminbe (RMB) other currencies will not be accepted.

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
H.Q. Camp Office, University Road, Karachi-75270

TERMS & CONDITIONS (F.O.B/CIP)

- 1) **Delivery of Store:** Stores is required on F.O.B. basis.
- 2) **Terms & Conditions:** Tenderers are invited to submit their tenders for the supply of goods as per schedule given. Tenderers should submit tender strictly in accordance with the terms and conditions.

Bidding Procedure: **Single-stage two envelops i.e. Technical and Financial.**
The bid submitted by the bidder shall comprise of two envelops submitted Simultaneously, one containing only the **Technical Proposal** and the other one **Financial Proposal**.
 - **Technical Proposal:** Must contain **Original Proforma Invoice** from their Principal showing complete specification of the quoted item, copy of CNIC of the Proprietor or Managing Director, copies of NTN and GST certificates, copy of the 2% earnest money in favour of Director General, Meteorological Services, Karachi and all other desired documents.
 - **Financial Proposal:** Must contain Price proposal/**ORIGINAL PROFORMA INVOICE** on Principal's letterhead , Original Payorder of 2% earnest money in favour of Director General, Meteorological Services, Karachi and other below mentioned desired documents.
- 3) **SPECIAL INSTRUCTIONS:**
 - a) **Validity:** Offer should be valid for 90 days from the date of opening of tender.
 - b) **Earnest Money:** Tenderers should furnish Earnest Money @ 2% of quoted price in the shape of Pay Order/Bank Draft only from scheduled Bank in favour of Director General, Meteorological Services, failing which offer will not be entertained. Insufficient Earnest Money will not be acceptable. Earnest Money of the successful bidder will be converted into Security Deposit and the successful bidder will further be required to deposit 3% of the balance of the total value of the Contract placed with him/them as Security Deposit within 5 working days of the date of issue of Contract. In case of non-deposit of balance Security Deposit it will be concluded that the successful bidder has failed to honor the contract and will be liable to further proceeding as a defaulter.
 - c) **Successful bidders are required to pay an amount equivalent to 0.35%** of the total contract value including all taxes to the treasury office of Government of Sindh under Article 15 (a) of Stamp Act, 1899 or required to submit STAMP PAPER of the same value to this office for the issuance of contract.
 - d) Tenderers should indicate their Income Tax Number/ G.S.T. No. and National Tax Number. (Copies must be enclosed).
 - e) Tenderer should mentioned the Manufacturer's Name, Brand and Country of Origin in their offer.
 - f) Change of Suppliers/Maker's Name, Country of Origin or any of the conditions the quotation will not be allowed and accepted subsequent to the opening of the tender or even after placement of contract unless asked for by the purchaser.
 - g) Tenderer must confirm in their offer that the packing offered is strong enough to withstand transportation by sea, Air, Rail and Road and also the usual transportation handling if required for such store.
 - h) FOB by Sea quotation should be given on FOB Port of Dispatch basis taking into account that port of dispatch quoted in the tender is appropriate for Sea Cargo only to be lifted by PNSC Vessels.
 - i) Payment of the freight charges is made at actual in non-convertible Pak. Currency to Pakistan National Shipping Corporation by the Distt. Controller of Stores (Shipping), Pakistan Railways, Karachi Cantt.
 - j) Shipment of Government consignment are restricted to Pakistan National Shipping Corporation or their chartered Vessels. Supplier must give one month prior intimation to the Agent of the Pakistan National Shipping

Corporation.

- k) Tenderers are required to confirm tender enquiry specification in all respects and furnish photocopy of N.T. Certificate and Sales Tax Registration Certificate alongwith offer.
- l) The quantity may be increased or decreased at the Buyer's option.
- m) Tenderers should note that if the stores inspected and released by the Inspection Authority Officer, are rejected by either the consignee or the actual consumer /user and on re-inspection of same by the Inspection Authority, it is concluded that the rejection is justified, the terms and conditions of contract applicable. The decision of the Inspection Authority regarding such rejection will be final.
- n) Tenderers are required to submit genuine offers after fulfilling the requirements of the Tender Enquiry. In case of fake offer or where the offer contains willful mis-representation, the same will be considered gross misconduct and fraud, which will lead not only ignoring of the offer but may also lead to black listing /forfeiture of Earnest Money.
- o) The Department reserves the right to accept or reject part or whole of any or all tenders and also reserves the right to waive any of the clause in the public interest as per PPRA Rule.

4) THE FOLLOWING DOCUMENTS SHOULD BE ENCLOSED WITH THE TENDER.

- i) Photo copies of their valid Registration Certificate of this Department if the firm is registered, **National Identity Card** of the Proprietor or Managing Director and National Income Tax Registration Certificate Number.
- ii) Tenderers should furnish a certificate in original from their Principals in F.O.B. cases that the prices quoted are nominal in the with their normal export prices for such stores and that the quoted prices compare favorably with international Import and Market prices from such stores.
- iii) Tenderers should necessarily furnish original **PROFORMA INVOICE** from their principal.

iv) VALIDITY OF OFFER:

Offer should be valid for acceptance for 90 days from the date of opening of the tender. In sufficient validity may lead to tender being ignored except in case were validity is otherwise specified.

- v) Tenderers shall quote their minimum guaranteed delivery/shipment period without any ambiguity. Offer on the basis of vague, undersigned or unconfirmed delivery period will lead to tender being ignored.
- vi) Any tender not in accordance with the tender enquiry requirements/specifications and Incomplete in any respect will lead to tender being ignored.

--Sd--

(SARFARAZ)
Chief Meteorologist
for Director General
Phone: 021-99261425