



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

## **INVITATION TO BID**

*Pakistan Meteorological Department, Met. H.Q's Camp Office Karachi* a Scientific and Service providing Department invites sealed bids from the original manufacturers /authorized distributors /suppliers/Contractors etc., registered with Income Tax and Sales Tax Departments for supply of following :

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

- 1) WORKSHOP MATERIALS/MISCELLANEOUS ITEMS
- 2) COMPUTER HARDWARE / SOFTWARE
- 3) MACHINERY AND EQUIPMENTS
- 4) OFFICE STATIONERY (*Including Computer continuous sheets*)
- 5) TONERS FOR PHOTO COPIERS

2. Bidding documents, containing detailed terms and conditions, method of procurement, procedure for submission of bids, bid security, bid validity, opening of bid, evaluation criteria, clarification / rejection of bids, performance guarantee etc. are available for the interested bidders at [www.ppra.org.pk](http://www.ppra.org.pk) or [www.pmd.gov.pk](http://www.pmd.gov.pk) Bidding documents can also be downloaded **free of cost**.

The bids, prepared in accordance with the instructions in the bidding documents, must reach at Indent and Purchase Section, Met. Headquarter's Camp Office, Met. Complex, University Road, Karachi. . Bids will be opened the same day on **02-09-2021** Closing at 11:00 a.m.

(SARFARAZ)  
Chief Meteorologist  
for Director General  
Ph.# 021 99261425



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

**TENDER NOTICE NO. 1 (2021-22)**

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

S. No.	Description of items	Quantity	Dates & time
<b>SECTION-I: Items to be purchased on F.O.R. Karachi Basis</b>			
01.	Workshop Materials	Different items	<b>02-09-2021</b>  <i>Closing at 11:00 a.m.</i>  <b>Opening</b> <b>at</b> <b>11:30 a.m.</b>
02.	Brass Rods & Pipes	Different types	
03.	Paint & Misc. Items	Different types	
04.	Wood	Different types	
05.	Carpentry Items	Different types	
06.	Branded Computers	08Nos.	
07.	Computer Server (Branded)	01No.	
08.	Up-gradation of SADIS Software	01No.	
09.	Inverter Air conditioner (i) 2 tons with installation. (ii) 1.5tons with installation.	01 No. 02Nos.	
10.	Dry Batteries (Maintenance Free) Dry, Gel	20 Nos.	
11.	Solar System with accessories	Diff	
12.	Digital Automatic Telescope for moon sighting	01No.	
13.	Computer Continuous Sheets (80 Columns)	120 Boxes	
14.	Office Stationery	Different types	
15.	Toner for different Photocopiers	Different types	
<b>SECTION-II: Items to be purchased on F.O.B or C.I.P basis (By opening L/C)</b>			
01	i) Met. Balloons (30Gms.)	4,000 Nos.	<b>15-09-2021</b>  <i>Closing at 11:00 a.m.</i>  <b>Opening</b> <b>at</b> <b>11:30 a.m.</b>
	ii) Met. Balloons (100Gms.)	3,000 Nos.	
02	i) Vaisala HMT 330 or Equivalent Humidity and Temperature Probe	03 Sets	
	ii) Vaisala PTB 330 with display or Equivalent Digital Barometer	03 Sets.	
	iii) Vaisala PTU301 or Equivalent. Pressure, Humidity and Temperature Transmitter	01Set	
03.	Meteorological Thermometers "U.K made" or Equivalent	50Nos.	

**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. PMD, Karachi will follow the PPRA rule of single stage two envelope procedure
5. Tender documents (Free of cost) can be downloaded from websites: [www.ppra.org.pk](http://www.ppra.org.pk) or [www.pmd.gov.pk](http://www.pmd.gov.pk)

**(SARFARAZ)**  
Chief Meteorologist  
for Director General  
Ph.# 021 99261425

# **SECTION-I**

***FOR SUPPLY ON F.O.R BASIS***

**DETAILED SPECIFICATION**

**Item No. 01: SPECIFICATION OF WORKSHOP MATERIALS.**

S. No	Name of Articles	Origin or Equivalent	Justification/Used	Quantity
01.	Rain Gauge Bottle (As per sample) No. 316 Non Magnet 26 Gauge	Pakistan	Rain Gauge	100 Nos.
02.	Mild Steel Flat Iron 2" x 1/8"	Pakistan	Wind Vane	100Kgs.
03.	Mild Steel Flat Iron 1½" x 1/8"	Pakistan	Stevenson Screen	200Kgs.
04.	Magic Epoxi Steel(medium size) Black & White	Pakistan	Anemometers	20Packets
05.	Bearing Precision No.626 (Genuine)	SKF/France/Italy	Anemometer	70 Nos.
06.	Bearing Precision No.6201 (Genuine)	SKF/France/Italy	Wind Vane	70 Nos.
07.	Stainless steel screw size 4mm x ¾"	Taiwan / Adam Jee	Anemometer	500Nos.
08.	S/Steel Screw Size:3mm Length ½" (As per Sample)	Taiwan / Adam Jee	Anemometers	100 Nos.
09.	Rhodium cutting Disks 4"	Germany	Workshop	12Nos.
10.	Rhodium cutting Disks 12"	Germany	Workshop	12Nos.
11.	Furnace Coal size 4"-6"	Local	Moulding	300Kgs.
12.	Digital Balancing Machine (10Kgs)	INGCO	MWS	01No.
13.	Digital Balancing Machine (02Kgs)	INGCO	MWS	01No.
14.	Power Hack Saw Blade size 14"(Eclipse)	England	MWS	06Nos.
15.	Tape Set 1mm to 15mm	Germany/ Dormer	MWS	10sets
16.	Thread Dies 1mm to 15mm	France / Dormer	MWS	10sets
17.	Rotary Hammer Drill 1050W	Makita/Ingco/Germany	Tool Section	01No.
18.	Cordless lithium Impact Drill 20V With extra battery + Charger + 1 set Drill Bit	INGCO	Workshop	02Nos.
19.	Angle grinder size 4" (750W)	Makita/Ingco	Tool Section	02Nos.
20.	Hydraulic Hand Pallet Truck 3 Tons	Ingco	Workshop	02Nos.
21.	Citizen Digital Stop Watch	Citizen	For anemometer testing	03Nos.
22.	Electric Spray Paint Gun(450Watt) SPG3508	INGCO	For Colour	01No.
23.	Safety Helmet (Yellow Colour)	MSA V-Power	For Safety	12Nos.
24.	Multi 3pin power switch (30A) Marble	Imported	Workshop	6Nos.
25.	3 Pin power plug	Imported	Workshop	6Nos.
26.	Fine End mill cutter 1mm to 10mm(for ER20 Collets)	England	CNC Machine	Each mm size 3 Nos.
27.	ER 20 collet set for size 1mm to 10mm	CK Tools/ Taiwan	CNC Machine	10Nos.
28.	Rough End Mill cutter 3mm to 10mm (for ER20 Collets)	England / Taiwan	CNC Machine	Each mm size 3 Nos.
29.	Granite surface Plate size 2' x 2'	Imported	Workshop	01No.

**Item No. 02: SPECIFICATION OF BRASS RODS & PIPES.**

S. No.	Description of store	Origen	Quantity
1	Brass Round Pipe outer dia 3" 5/8" inner bore 3" 3/8" (finish surface and straight) As per sample	Imported	30Kgs.
2	Brass Round Pipe dia 7/8" Pure Brass (Without impurities/shoori) As per sample	Imported	30Kgs.
3	Brass Round Rod dia 1+3/4" Pure Brass (Without impurities/shoori) As per sample	Imported	50Kgs.

**Item No. 03: SPECIFICATION OF PAINTS AND MISC. ITEMS .**

S. No.	Description of store	Origen	Quantity
1.	Plaster of Paris		10Kgs
2.	Grey Metallic Paint	ICI	5Quarters
3.	Red Oil Paint	ICI	3Bucket
4.	Golden Brown Paint	ICI	3Bucket
5.	Black Oil Paint	ICI	5Bucket
6.	White Oil Paint	ICI	10Bucket
7.	Kerosene Oil		50Liters
8.	Red Oxide	ICI	5Bucket
9.	Grey Oxide Astor	ICI	5Bucket
10.	Thinner (Nippon Paint 3.64 cane Liters)	Nippon Paints	5Cane
11.	Transformer Oil 30/40	PSO	20 liters
12.	Mobil Oil No. 25/50	PSO	30 liters
13.	Paint Brush 4"	Universal Elite	12Nos.
14.	Paint Brush 3"	Universal Elite	12Nos.
15.	Paint Brush 2"	Universal Elite	12Nos.
16.	Paint Brush 1"	Universal Elite	24Nos.
17.	Distemper Brush 6"	Universal Elite	06Nos.

**Item No. 04: SPECIFICATION OF WOOD.**

S. No.	Description of store	Origen	Quantity
1.	Partel Wood Size (3/4" x12" x12' )	Local	100 Planks
2.	Partel Wood Size (1/2" x12" x12' )	Local	100 Planks
3.	Deyar Wood Size (3/4" x12" x10' )	Malaysia	20Planks.
4.	Golden Malaysia Size (1 3/4" x1' x12' )	Malaysia	25Planks.
5.	Golden Teck Patti Size (1/2" x 3" x12' )	Malaysia	100Patti
6.	Golden Teck Patti Size (1/2" x 1" x12' )	Malaysia	200Patti

**Item No. 05: SPECIFICATION OF CARPENTRY ITEMS.**

S. No	Name of Articles	Origin or Equivalent	Justification/Used	Quantity
1.	Nails Size 3" No. 12	Local	Carpentry Section	05Kgs.
2.	Nails Size 2½" No. 14	Local	Carpentry Section	05Kgs.
3.	Nails Size 2" No. 15	Local	Carpentry Section	5Kgs.
4.	Nails Size 2" No. 14	Local	Carpentry Section	10Kgs.
5.	Nails Size 1½" No. 14	Local	Carpentry Section	05Kgs.
6.	Nails Size 1½" No. 17	Local	Carpentry Section	06Kgs.
7.	Nails Size 1" No. 17	Local	Carpentry Section	03Kgs.
8.	Nails Size 1¼" No. 17	Local	Carpentry Section	05Kgs.
9.	Nails Size ½" No. 24	Local	Carpentry Section	03Kgs.
10.	Steel Nails Size 3"	Taiwan	Carpentry Section	03Packets.
11.	Steel Nails Size 2½"	Taiwan	Carpentry Section	03Packets.
12.	Screw Size 1½" No. 7	Adam jee	Stevenson Screen	12Packets
13.	Screw Size 1¼" No. 7	Adam jee	Stevenson Screen	12Packets
14.	Screw Size ¾" No.5	Adam jee	Stevenson Screen	12Packets
15.	Screw Size 1" No. 7	Adam jee	Stevenson Screen	12Packets
16.	Screw Size 2" No. 8	Adam jee	Stevenson Screen	12Packets
17.	Chain Small Size ¼" (As per sample)	Local	Stevenson Screen	05Kgs.
18.	Nut & Bolts (Round head, black colour) 2" X 2½"	Adam jee	Stevenson Screen	03Packets
19.	Nut & Bolts (Round head, black colour) ¼" X 1½" (As per sample)	Adam jee	Stevenson Screen	03Packets
20.	Nut & Bolts (Round head, black colour) ¼" X 2" (As per sample)	Adam jee	Stevenson Screen	06Packets
21.	Nut & Bolts (Round head, black colour) ¼" X 2½" (As per sample)	Adam jee	Stevenson Screen	03Packets
22.	Glue white (Movilith)	German	Stevenson Screen	10Kgs.
23.	Hinges Size 3" (As per Sample)	Local /Adam jee	Stevenson Screen	05Packets
24.	Blade Elec. Planner Machine 1½" x 1'	England / Germany	Carpentry Section	02 sets.
25.	Blade Elec. Planner Machine 1½" x 2'	England / Germany	Carpentry Section	02 sets.
26.	Blade for Electric Cutter Machine (Tip wala 80 teeth) 10"	Imported	Carpentry Section	02 Nos.
27.	Hook for Stevenson Screen( i type) As per sample	Local	Carpentry Section	05Packets
28.	Ring for Hook ¾"	Local	Carpentry Section	05Packets
29.	Steel Nail 2"	Taiwan	Carpentry Section	03Packets.
30.	Steel Nail 1½"	Taiwan	Carpentry Section	03Packets.

**Item No. 06: SPECIFICATION OF BRANDED COMPUTERS.**

S. No.	Description of Store	Quantity
1	<p><b><u>BRANDED COMPUTERS</u></b></p> <p><b><u>Brand:</u></b> HP/ DELL/Lenovo or Equivalent in all aspects Quoted Brand must have Gartner &amp; IDC report and should be listed in top (5).</p> <p><b><u>Operating system:</u></b> Windows 10 Pro Licensed</p> <p><b><u>Processor:</u></b> Core i7 11<sup>th</sup> Generation Intel® Core™ i7-11700 (2.5 GHz up to 4.9 GHz, 16 MB L3 cache, 8 cores)</p> <p><b><u>Memory:</u></b> 8GB DDR4-2933 SDRAM (1 x 8 GB)</p> <p><b><u>Graphics:</u></b> NVIDIA® GeForce® GTX 1650 SUPER™ (4 GB GDDR6 dedicated)</p> <p><b><u>Storage:</u></b> 2 TB HDD storage</p> <p><b><u>Expansion slots:</u></b> 2 M.2; 1 PCIe x16; 1 PCIe x1</p> <p><b><u>Wireless technology:</u></b> Realtek Canary ac 2x2 +Bluetooth 5 M.2 2230 PCI-e+USB WW with 2 Antennas</p> <p><b><u>Power supply:</u></b> 400 W Gold efficiency power supply</p> <p><b><u>LED Monitor:</u></b> 24" Same Brand (FHD 1920X1080)</p> <p><b><u>Accessories:</u></b> Keyboard , Optical mouse</p> <p><b><u>Warranty:</u></b> At least one year warranty with parts</p>	08Nos. (Complete Sets)

Item No. 07: SPECIFICATION OF COMPUTERS SERVER (BRANDED).

S. No	Description of Store	Quantity
1.	<p><b><u>COMPUTER SERVER (BRANDED)</u></b></p> <ul style="list-style-type: none"> <li>• Internationally renowned branded Server</li> <li>• HP/DELL/LEVONO or equivalent in all aspects</li> <li>• Quoted Brand must have Gartner &amp; IDC report and should be listed in top five (5)</li> </ul> <p><b><u>Processor:</u></b> Intel® Xeon® 2.2 GHZ dual on board processors, 10 cores per processor, 13.75M Cache</p> <p><b><u>Memory:</u></b> 64 GB, DDR4, RDIMM and LRDIMM, Dual Rank</p> <p><b><u>Storage:</u></b> Two 1 Terabyte drives (primary SSD and redundant HDD) redundant (RAID), RAID Controller, 2GB NV Cache. Internal Dual SD Module</p> <p><b><u>Management:</u></b> Embedded / At-the-Server</p> <p><b><u>Power Supply:</u></b> Dual, Redundant Power Supply</p> <p><b><u>Supporting Operating System</u></b> CentOS 7</p> <p><b><u>Network Connectivity:</u></b> Local Area Network, Wireless Local Area Network and Internet.</p> <p><b><u>Accessories:</u></b> Standard keyboard and optical mouse.</p> <p><b><u>Monitor:</u></b> Branded 22 inch LED monitor.</p> <p><b>Complete functional and ready to use system</b></p>	01 No.



**Item No. 08: SPECIFICATION FOR UP-GRADATION OF SADIS SOFTWARE.**

S. No	Description of Store	Qty.
1.	<p>SADIS visualization software</p> <p><b><u>Software functionality</u></b></p> <ol style="list-style-type: none"> <li>1. Display of OPMET data and other data types in text format</li> <li>2. WAFS GRIB2 decoder and compliant display package</li> <li>3. WAFS SWL, SWH and SWM BUFR decoder and compliant display package</li> <li>4. Display and ability to prompt users of the arrival of chart amendments</li> <li>5. Display and ability to prompt users of the arrival of SADIS administrative messages</li> <li>6. Display of tropical cyclone advisory statements</li> <li>7. Display of volcanic ash advisory statements</li> <li>8. Display of volcanic ash trajectory/dispersion charts</li> <li>9. Display bulletin contents from the WMO header</li> <li>10. Display of Special AIREPs</li> <li>11. Display of WAFS SIGWX charts in the PNG chart format</li> <li>12. Ability to receive all the SADIS products via FTP from the SADIS FTP Service</li> <li>13. Ability to process and display new 0.25 Degree WAFS hazard data for integration in SADIS- user system and software as per Conclusion <u>APANPIRG/31/17: 0.25 degree WAFS hazard data &amp; the turbulence, icing and cumulonimbus fields are being upgraded as part of Amendment 79 to ICAO Annex 3 – Meteorological Service for International Air Navigation.</u>( 0.25 degree Turbulence Severity, 0.25 degree Icing Severity &amp;0.25 degree Cumulonimbus extent, base and top etc.)</li> </ol> <p><b><u>Additional Service Support for SADIS visualization software:</u></b></p> <p>New Software copy protection key should be provided in case of faulty. Fully support for the provided SADIS visualization software until its use. If any new update are arrived from SADIS then update for the said facility.</p> <p><b><u>Hardware:</u></b></p> <p>A core i7 computer with high resolution Graphic card, license Windows 10 (operating System) and license antivirus software.</p>	01 No.

**Item No. 9: 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>	01 No.
Air Conditioner, DC INVERTER (1.5 tons) with installation Type: Split Brand: HAIER ,GENERAL, PEL, L.G, ORIENT DELTA OR Equivalent.  Note: <i>Installation charges must be mentioned separately.</i>	02Nos.

**Item No. 10. SPECIFICATION OF DRY BATTERIES.**

S. No.	Description of Stores	Quantity
01.	<b>Dry Batteries (Gel, Maintenance Free)</b> 12V-150AH, Inverex (Taiwan Brand) or equivalent. Note: (i) Date of manufacturing must be latest. (ii) Warranty period must be sufficient.	<b>16 Nos.</b>
02.	<b>Dry Batteries (Gel, Maintenance Free)</b> 12V-45AH, Inverex (Taiwan Brand) or equivalent. Note: (i) Date of manufacturing must be latest. (ii) Warranty period must be sufficient.	<b>04Nos.</b>

**Item No.11. SPECIFICATION OF SOLAR SYSTEM.**

No.	Name of Articles	Quantity
01	<b><u>SOLAR SYSTEMS</u></b> Solar Panel (Mono crystalline) 150 Watts, Preferred makes: Solaria, Rec. with DC shielded copper cable 10 mm gauge (length 20 meter ) 30 Amp rating along with installed connectors. The stand / All accessories (customized ) for the proposed solar Panel.	07 Nos.
02	65 AH Dry battery (Preferred Vietnam long)	07 Nos.
03	Solar Charge Controller mppt tech, 40 Amp. (Preferred makers: Epever, Victron, Mohoo) Float charging.	07 Nos.

**Item No. 12: SPECIFICATION OF COMPUTERIZED TELESCOPE.**

S#	Technical Specification	QTY
1.	<b>Computerized Telescope CPC Deluxe 800 HD</b>	01
	Should have following specification:	
	Aperture	203.2mm (8")
	Focal Length	2032mm (80")
	Focal Ratio	f/10
	Focal Length of Eyepiece 1	40mm (1.57")
	Magnification of Eyepiece	1: 51x
	Finderscope	50mm Finderscope with quick release bracket
	Star Diagonal	1.25" Star Diagonal
	Optical Tube	Aluminum
	Highest Useful Magnification	480x
	Lowest Useful Magnification	29x
	Limiting Stellar Magnitude	14
	Resolution (Rayleigh)	0.69 arc seconds
	Resolution (Dawes)	0.57 arc seconds
	Light Gathering Power (Compared to human eye)	843x
	Secondary Mirror Obstruction	64mm (2.5")
	Secondary Mirror Obstruction by Diameter	31%
	Secondary Mirror Obstruction by Area	9.77%
	Optical Tube Length	432mm (17")
	Optical Tube Diameter	238mm (9.37")
	Mount Type	Computerized Altitude-Azimuth Dual Fork Arm
	Height adjustment range (includes mount and tripod)	1295.4mm - 1422.4mm (51" - 66")
	Tripod leg material	Stainless Steel
	Tripod leg diameter	50.8mm (2")
	Accessory Tray	Yes
	Slew Speed	9 slew speeds - max speed 5°/second
	Tracking Rates	Sidereal, Solar and Lunar
	GPS	Internal 16 channel
	Number of Auxiliary ports	2 Aux ports (Hand Control can use any of the Aux ports)
	Auto guide port	Yes
	USB Port	Yes
	Power Requirements	12 VDC-1.5A
	Motor Drive	DC servo motors
	Alignment Procedures	Sky Align, Auto Two-Star Align, Two-Star Align, Solar System Align, EQ North Align & EQ South Align
	Periodic Error Correction:	Yes
	Computerized Hand Control	2 line x 18 character backlit Liquid Crystal Display, 19 LED backlit buttons, USB 2.0 port for PC connection
	Software	Windows base portal application software should provide Knowledge in user's hands to help in observing our Solar System and other celestial objects. The software should provide a guided tour of our Solar System's past, present, and future, and may even model exactly how the night sky will appear from anywhere on Pakistan.
	Manual	Instruction manual for installation, operation and maintenance in English language.
	Warranty	At least one year after installation
	Installation	Installation must be done by the telescope supplier.
	Training	Training on telescope operation and maintenance

**Note: A video based presentation/demonstration of the offered computerized telescope must be given by the bidder before placing order.**

**Item No. 13: SPECIFICATION OF COMPUTER CONTINUOUS SHEETS.**

Description of Stores	Quantity
<b>Computer Continuous Sheets:</b> Size: (80 Columns) Weight: Not less than 63 GSM, Paper must be smooth not rough Packing: Box of 1,000 Sheets (+ 10 Sheets) Country or origin: Pakistan (Local)  <b>Note: 05 Sheets must be enclosed with Quotation as Sample.</b>	<b>120 Boxes</b>

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

**Item No. 14: SPECIFICATION OF OFFICE STATIONERY.**

S #	Description of Store	Quantity
1	Eraser AL-20 (Pelikan, Large)	100Nos.
2	Sharpener Silver (Dux)	50Nos.
3	Pencil Black 3B (Gold Fish or Equivalent)	150Nos.
4	Ball Pen Blue (Piano-Crystal)	800Nos.
5	Ball Pen Red (Piano-Crystal)	300Nos.
6	Draft Pad (8½"X11½", 70gm)	50Nos.
7	Hole Punch	30Nos.
8	Gum Stick (Large) UHU or Equivalent	35Nos.
9	Stapler Pin (Dollar X1000) (24/6)	70Packets
10	Marker Large Black (Permanent) Dollar	60Nos.
11	Marker Large Blue (Permanent) Dollar	30Nos.
12	Note Sheet (8½"X11½") WT.:80Gsm, white paper (each pad of 100 Sheets.)	80Pads
13	Gum Bottle (142 Grams), Dollar or Equivalent	30Nos.
14	White Fluid Pen (Dux)	60Nos.
15	Scotch Tape (2 Inch size)	50 Nos.
16	Stamp Pad Crystal Classic (Large)	25Nos.
17	Ruled Register (8½"X14"), Large, 70Gms. (each register of 100-Sheets)	30Nos.
18	Envelope (SE-5), with print ON PAKISTAN STATE SERVICE (As per sample)	100Nos.
19	Envelope (SE-6), with print ON PAKISTAN STATE SERVICE (As per sample)	1000Nos.
20	Envelope (SE-8), 115 Gram, (11½"X15½")with print ON PAKISTAN STATE SERVICE(As per sample)	100Nos.
21	File Cover (Blue Colour), Size: 10"X13", (as per sample) with print <b>Pakistan Meteorological Department, Met. Headquarter's Camp Office, Karachi.</b>	300Nos.
22	Pencil (Dux)	200Nos.
23	Stapler SUN WOOD (Silver) or Equivalent	25Nos.
24	Pointer Crystal, 0.7 (Blue)	100Nos.
25	Pointer Crystal, 0.7 (Black)	70Nos.
26	Paper Pin	20 Packets
27	Paper Clip 33mm	50 Packets
28	Dairy Register 70 Grams ( 8 ½"x 12½") Each register of 200 Sheets	20 Nos.
29	Typing Paper ( 8 ½"x 12½"), 65 Grams (each ream of 400 Sheets)	7Reams
30	File Board (10" X 14"), 200Gsm, Hard type	500Nos.
31	Highlighter (Palikan) Yellow Colour	50Nos.
32	Gem Clips (Size:33mm)	50Packets

33	File Tags (50Nos.)	50bunches
34	Steel Scale (1foot length)	20Nos.
35	Scissors (for paper cutting)	15Nos.

No.IP-2(3)/PPC Toners/577/2021-22

Due open on 02-09-2021 at 11:30 PST

**Item No. 15. SPECIFICATION OF TONERS FOR PHOTO COPIER MACHINES.**

S. Nos.	Description of Stores	Quantity
01	Toner for Digital Photocopier SHARP AR 5620V 15000copies per toner	8 Nos.
02	Toner for Digital Photocopier SHARP AR 6023 15000 copies per toner	02 Nos.
03	Toner for TOSHIBA Photo Copier Machine e-Studio 2303A (Toner No. T-2309). 17,000 copies per toner	05 Nos.
04	Toner for TOSHIBA e-Studio 2309 A (Toner No. T-2309) 17,000 copies per toner	15 Nos.
05.	Toner Toshiba DP-2803AM 17,000 copies per toner	02Nos.

**\*SAMPLES OF TONERS MAY BE PROVIDED WITH QUOTATION**

**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.**

## **INSTRUCTION TO BIDDERS** **TERMS AND CONDITIONS**

**[All pages (Form of Quotations & Terms & Conditions) are mandatory to be signed /stamped, failing which the bid may be rejected.]**

1. Any addition, deletion or modification of any clause of the procurement terms & conditions of PMD by any vendor will not be acceptable and may lead to rejection of the bid.
2. Only registered Suppliers, who are on Active Taxpayers List (ATL) of FBR, are eligible to participate in tender. Please also attach the Certificate supporting being Active Taxpayer as per requirement of FBR.
3. The supplier is well established firm /company in the business of relevant field with sound financial status.
4. The bidders are required to bid for all items in each head. Partial offers / head will not be considered.
5. The contract will be executed and handed over in satisfactory conditions up to the entire satisfaction of PMD.
6. **The bidder is required to furnish in form of Pay order equivalent to 2% of the total Bid price as Earnest Money in favor of “Director General Meteorological Services, Karachi Any bid not accompanied by Earnest Money shall be rejected without any right of appeal.**
7. Part / Advance payments is not allowed.
8. After opening of bids PMD, Karachi will examine the bids for completeness as per tender documents.
9. Purchase order (s) will be awarded to the lowest and technically recommended bidder (s) on the basis of item wise / subtotal wise / grand total wise according to the nature of Item.
10. PMD, Karachi will follow the PPRA rule of **single stage two envelope procedure:**
  - The bid shall comprise a single package containing **two separate envelopes.** Each envelope shall contain separately the **financial proposal** and the **technical proposal;**
  - The envelopes shall be marked as **“FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL”** in bold and legible letters to avoid confusion;
  - Initially, only the envelope marked **“TECHNICAL PROPOSAL”** shall be opened;

- The envelope marked as **“FINANCIAL PROPOSAL”** shall be retained in the custody of PMD, Karachi without being opened;
- The procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;
- During the technical evaluation no **amendments** in the technical proposal shall be permitted;
- The financial proposals of bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
- After the evaluation and approval of the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically nonresponsive shall be returned un-opened to the respective bidders;
- The bid found to be the most advantageous bid shall be accepted.

#### 11. Guidelines for Technical Evaluation;

- I. Brief Profile of firm/company on company letter head (maximum 02 pages)
- II. Related work experience in Years
- III. List of Clients
- IV. All interested bidders are required to submit the samples (in case where the samples are required) well before opening of tender.
- V. Technical Evaluation will be done on the basis of sample provided and other parameters as mentioned. Any sample not meeting Standard shall be rejected and financial bid will be opened for technically accepted bids only.
- VI. Any vendor who failed to bring sample alongwith technical bid shall be rejected.

12. Bidders cannot challenge the finding of the evaluation or ask for reason of disqualification.

13. The bid should be submitted in a sealed envelope up to **September 2, 2021** on or before **1100PST** and will be opened on the same date **at 1130PST** in the presence of available bidders.

14. The envelope should be marked as under;

**Pakistan Meteorological Department**  
**Indent and Purchase Section**  
**Meteorological Complex, University Road, Karachi.**  
**Tel: 021-99261425, 9261410Ext:211**

15. The envelope shall also bear the word **“CONFIDENTIAL”** and following identification quotation of **“Tender Notice No. IP-2(3)/2021-22/1”**.

16. The bid form (**Form of Quotation**) must be duly filled in, stamped and signed by the authorized representative of the bidder.

**17. If the vendor fails to deliver the goods / services to Central Meteorological Store, Karachi in time then the penalty will be charged as under:-**

- a. 1% per day of the invoice price for 5 working days.
- b. 2% per day of the invoice price for further 5 working days.
- c. If the vendor fails to deliver the goods / services during the extended period then the purchase / work order may be cancelled, earnest money and payment may be forfeited.

18. If the delivered goods / services are not according to the required quality standards / specifications, the same shall be liable to be rejected after inspection. The vendor would be required to supply as per requirements mentioned in our (**Form of Quotation**), otherwise the purchase / work order will be cancelled after due date with confiscation of earnest money.

19. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.

20. Payment will be made on submission of Invoice in the name of "Pakistan Meteorological Department, Karachi" with a copy of delivery challan (s) after the complete order has been supplied, inspected and accepted which includes delivery / installation, and PMD acceptance / inspection thereof.

21. All prices should be quoted on F.O.R (Pak Rupees).

22. All prices should be valid for at least **60 days**. Withdrawal or any modification of the original offer within the validity period shall entitle PMD to forfeit the earnest money in favor of the PMD and / or put a ban on such vendor participation in PMD tenders / works.

23. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.

24. In case of any dispute, decision of the Chairman Purchase Committee will be final and binding upon the parties.

25. The PMD reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.

26. PMD, Karachi reserves the rights to accept or reject the bid if;

- Received without earnest money
- Received later than the date and time fixed for tender submission
- The tender is unsigned/ unstamped
- The offer is ambiguous
- The offer is conditional
- Offer is made by the unauthorized agent/ supplier
- The offer is from a firm, which is black listed by any Govt. Office.
- The offer is received by telephone/fax.
- Any unsigned / ambiguous erasing, cutting / overwriting etc. is made.



27. The bidder should furnish a certificate as worded below in token of acceptance of all the terms and conditions of the tender. Otherwise the tender will not be considered under any circumstances.

- a) Please quote the rates on our Form of Quotation (may be printed on the company letter head), otherwise your bid may be rejected.
- b) Terms & Conditions and Form of Quotation should be attached with Technical and Financial bids, otherwise your tender/bid(s) may be rejected.

28. I / We The undersigned certify that the terms and conditions as contained in the documents vise, “ Terms and Conditions for Tender Notice of PMD, Karachi are accepted and that in the event of selection of my/our rate the agreement in the prescribed form will be entered into.

- Company / Vendor

Name:.....  
.....

- Postal

Address:.....  
.....

- Tel. & Mobile:.....

- Email:.....

- NTN#:.....

- GST#:.....

**Signature:** \_\_\_\_\_  
**(Participating Firm)**

**(SARFARAZ)**  
Chief Meteorologist  
for Director General  
Pakistan Meteorological Department

**Stamp:** \_\_\_\_\_

**FORM OF QOUTATION**

**FORM OF QUOTATION FOR THE SUPPLY OF “WORKSHOP MATERIALS”.**

**Item No. 01**

**File # IP-2(3)/WS Material/563/2021-22**

<i>S. No.</i>	<i>Description of store</i>	<i>Origin</i>	<i>Unit Price With GST (Rs.)</i>	<i>Qty</i>	<i>Total Price With GST (Rs.)</i>
1.	Rain Gauge Bottle (As per sample) No. 316 Non Magnet 26 Gauge	Pakistan		100 Nos.	
2.	Mild Steel Flat Iron 2” x 1/8”	Pakistan		100Kgs.	
3.	Mild Steel Flat Iron 1½” x 1/8”	Pakistan		200Kgs.	
4.	Magic Epoxi Steel (medium size) Black & White	Pakistan		20Packets	
5.	Bearing Precision No.626 (Genuine)	SKF/France/ Italy		70 Nos.	
6.	Bearing Precision No.6201 (Genuine)	SKF/France/ Italy		70 Nos.	
7.	Stainless steel screw size 4mm x ¾”	Taiwan / Adam Jee		500Nos.	
8.	S/Steel Screw Size:3mm Length ½ ” (As per Sample)	Taiwan / Adam Jee		100 Nos.	
9.	Rhodium cutting Disks 4”	Germany		12Nos.	
10.	Rhodium cutting Disks 12”	Germany		12Nos.	
11.	Furnace Coal size 4”-6”	Local		300Kgs.	
12.	Digital Balancing Machine (10Kgs)	INGCO		01No.	
13.	Digital Balancing Machine (02Kgs)	INGCO		01No.	
14.	Power Hack Saw Blade size 14”(Eclipse)	England		06Nos.	
15.	Tape Set 1mm to 15mm	Germany/		10sets	
16.	Thread Dies 1mm to 15mm	France /		10sets	
17.	Rotary Hammer Drill 1050W	Makita/Ingco/ Germany		01No.	
18.	Cordless lithium Impact Drill 20V With extra battery + Charger + 1 set Drill Bit	INGCO		02Nos.	
19.	Angle grinder size 4” (750W)	Makita/Ingco		02Nos.	
20.	Hydraulic Hand Pallet Truck 3 Tons	Ingco		02Nos.	
21.	Citizen Digital Stop Watch	Citizen		03Nos.	
22.	Electric Spray Paint Gun(450Watt) SPG3508	INGCO		01No.	
23.	Safety Helmet (Yellow Colour)	MSA V- Power		12Nos.	
24.	Multi 3pin power switch (30A) Marble	Imported		6Nos.	
25.	3 Pin power plug	Imported		6Nos.	
26.	Fine End mill cutter 1mm to 10mm(for ER20 Collets)	England		Each mm size 3 Nos.	
27.	ER 20 collet set for size 1mm to 10mm	CK Tools/ Taiwan		10Nos.	
28.	Rough End Mill cutter 3mm to 10mm (for ER20 Collets)	England / Taiwan		Each mm size 3 Nos.	
29.	Granite surface Plate size 2’ x 2’	Imported		01No.	
<b>GRAND TOTAL:</b>					

<i>S. No.</i>	<i>Description of store</i>	<i>Origin</i>	<i>Unit Price with GST (Rs.)</i>	<i>Qty.</i>	<i>Total Price with GST (Rs.)</i>
1	Brass Round Pipe outer dia 3" 5/8" inner bore 3" 3/8" (finish surface and straight) As per sample	Imported		30Kgs.	
2	Brass Round Pipe dia 7/8" Pure Brass (Without impurities/shoori) As per sample	Imported		30Kgs.	
3	Brass Round Rod dia 1+3/4" Pure Brass (Without impurities/shoori) As per sample	Imported		50Kgs.	
<b>GRAND TOTAL:</b>					

**FORM OF QUOTATION FOR THE SUPPLY OF "PAINTS AND MISC. ITEMS".**

Item No. 03

File# IP-2(3)/ Paint &amp; Misc Items /565/2021-22

<i>S. No.</i>	<i>Description of store</i>	<i>Origin</i>	<i>Unit Price with GST (Rs.)</i>	<i>Qty.</i>	<i>Total Price with GST (Rs.)</i>
1	Plaster of Paris			10Kgs	
2	Grey Metallic Paint	ICI		5Quarters	
3	Red Oil Paint	ICI		3Bucket	
4	Golden Brown Paint	ICI		3Bucket	
5	Black Oil Paint	ICI		5Bucket	
6	White Oil Paint	ICI		10Bucket	
7	Kerosene Oil			50Liters	
8	Red Oxide	ICI		5Bucket	
9	Grey Oxide Astor	ICI		5Bucket	
10	Thinner (Nippon Paint 3.64 cane Liters)	Nippon Paints		5Cane	
11	Transformer Oil 30/40	PSO		20 liters	
12	Mobil Oil No. 25/50	PSO		30 liters	
13	Paint Brush 4"	Universal Elite		12Nos.	
14	Paint Brush 3"	Universal Elite		12Nos.	
15	Paint Brush 2"	Universal Elite		12Nos.	
16	Paint Brush 1"	Universal Elite		24Nos.	
17	Distemper Brush 6"	Universal Elite		06Nos.	
<b>GRAND TOTAL:</b>					

**FORM OF QUOTATION FOR THE SUPPLY OF "WOOD".**

**Item No. 04**

**File# IP-2(3)/Wood/566/2021-22**

<i>S. No.</i>	<i>Description of store</i>	<i>Origin</i>	<i>Unit Price with GST (Rs.)</i>	<i>Qty.</i>	<i>Total Price with GST (Rs.)</i>
1.	Partel Wood Size (¾" x12" x12' )	Local		100 Planks	
2.	Partel Wood Size (½" x12" x12' )	Local		100 Planks	
3.	Deyar Wood Size (¾" x12" x10' )	Malaysia		20Planks.	
4.	Golden Malaysia Size (1¾" x1' x12' )	Malaysia		25Planks.	
5.	Golden Teck Patti Size (½" x 3" x12' )	Malaysia		100Patti	
6.	Golden Teck Patti Size (½" x 1" x12' )	Malaysia		200Patti	
<b>GRAND TOTAL:</b>					

**FORM OF QUOTATION FOR THE SUPPLY OF "CARPENTRY ITEMS".****Item No. 05****File # IP-2(3)/Carpentry/567/2021-22**

<i>S. No.</i>	<i>Description of store</i>	<i>Origin</i>	<i>Unit Price With GST (Rs.)</i>	<i>Qty.</i>	<i>Total Price With GST (Rs.)</i>
1.	Nails Size 3" No. 12	Local		05Kgs.	
2.	Nails Size 2½" No. 14	Local		05Kgs.	
3.	Nails Size 2" No. 15	Local		5Kgs.	
4.	Nails Size 2" No. 14	Local		10Kgs.	
5.	Nails Size 1½" No. 14	Local		05Kgs.	
6.	Nails Size 1½" No. 17	Local		06Kgs.	
7.	Nails Size 1" No. 17	Local		03Kgs.	
8.	Nails Size 1¼" No. 17	Local		05Kgs.	
9.	Nails Size ½" No. 24	Local		03Kgs.	
10.	Steel Nails Size 3"	Taiwan		03Packets.	
11.	Steel Nails Size 2½"	Taiwan		03Packets.	
12.	Screw Size 1½" No. 7	Adam jee		12Packets	
13.	Screw Size 1¼" No. 7	Adam jee		12Packets	
14.	Screw Size ¾" No.5	Adam jee		12Packets	
15.	Screw Size 1" No. 7	Adam jee		12Packets	
16.	Screw Size 2" No. 8	Adam jee		12Packets	
17.	Chain Small Size ¼" (As per sample)	Local		05Kgs.	
18.	Nut & Bolts (Round head, black colour) 2" X 2½"	Adam jee		03Packets	
19.	Nut & Bolts (Round head, black colour) ¼" X 1½"	Adam jee		03Packets	
20.	Nut & Bolts (Round head, black colour) ¼" X 2"	Adam jee		06Packets	
21.	Nut & Bolts (Round head, black colour) ¼" X 2½"	Adam jee		03Packets	
22.	Glue white (Movilith)	German		10Kgs.	
23.	Hinges Size 3" (As per Sample)	Local /Adam jee		05Packets	
24.	Blade Elec. Planner Machine 1½" x 1'	England / Germany		02 sets.	
25.	Blade Elec. Planner Machine 1½" x 2'	England / Germany		02 sets.	
26.	Blade for Electric Cutter Machine (Tip wala 80 teeth) 10"	Imported		02 Nos.	
27.	Hook for Stevenson Screen( i type) As per sample	Local		05Packets	
28.	Ring for Hook ¾"	Local		05Packets	
29.	Steel Nail 2"	Taiwan		03Packets.	
30.	Steel Nail 1½"	Taiwan		03Packets.	
<b>GRAND TOTAL:</b>					

S. No.	Description of store	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
1	<p><b><u>BRANDED COMPUTERS</u></b></p> <p><b><u>Brand:</u></b> HP/ DELL/Lenovo or Equivalent in all aspects Quoted Brand must have Gartner &amp; IDC report and should be listed in top (5).</p> <p><b><u>Operating system:</u></b> Windows 10 Pro Licensed</p> <p><b><u>Processor:</u></b> Core i7 11<sup>th</sup> Generation Intel® Core™ i7-11700 (2.5 GHz up to 4.9 GHz, 16 MB L3 cache, 8 cores)</p> <p><b><u>Memory:</u></b> 8GB DDR4-2933 SDRAM (1 x 8 GB)</p> <p><b><u>Graphics:</u></b> NVIDIA® GeForce® GTX 1650 SUPER™ (4 GB GDDR6 dedicated)</p> <p><b><u>Storage:</u></b> 2 TB HDD storage</p> <p><b><u>Expansion slots:</u></b> 2 M.2; 1 PCIe x16; 1 PCIe x1</p> <p><b><u>Wireless technology:</u></b> Realtek Canary ac 2x2 +Bluetooth 5 M.2 2230 PCI-e+USB WW with 2 Antennas</p> <p><b><u>Power supply:</u></b> 400 W Gold efficiency power supply</p> <p><b><u>LED Monitor:</u></b> 24" Same Brand (FHD 1920X1080)</p> <p><b><u>Accessories:</u></b> Keyboard , Optical mouse</p> <p><b><u>Warranty:</u></b> At least one year warranty with parts</p>		08Nos.	
			Grand Total:	



**FORM OF QUOTATION FOR THE SUPPLY OF “COMPUTERS SERVER (BRANDED)”.**

Item No. 07

File# IP-2(3)/Compt. Server/569/2021-22

<i>S. No.</i>	<i>Description of store</i>	<i>Origin</i>	<i>Unit Price with GST (Rs.)</i>	<i>Qty.</i>	<i>Total Price with GST (Rs.)</i>
1	<p><b>COMPUTER SERVER (BRANDED)</b></p> <ul style="list-style-type: none"><li>• Internationally renowned branded Server</li><li>• HP/DELL/LEVONO or equivalent in all aspects</li><li>• Quoted Brand must have Gartner &amp; IDC report and should be listed in top five (5)</li></ul> <p><b>Processor:</b> Intel® Xeon® 2.2 GHZ dual on board processors, 10 cores per processor, 13.75M Cache</p> <p><b>Memory:</b> 64 GB, DDR4, RDIMM and LRDIMM, Dual Rank</p> <p><b>Storage:</b> Two 1 Terabyte drives (primary SSD and redundant HDD) redundant (RAID), RAID Controller, 2GB NV Cache. Internal Dual SD Module</p> <p><b>Management:</b> Embedded / At-the-Server</p> <p><b>Power Supply:</b> Dual, Redundant Power Supply</p> <p><b>Supporting Operating System</b> CentOS 7</p> <p><b>Network Connectivity:</b> Local Area Network, Wireless Local Area Network and Internet.</p> <p><b>Accessories:</b> Standard keyboard and optical mouse.</p> <p><b>Monitor:</b> Branded 22 inch LED monitor.</p> <p><b>Complete functional and ready to use system</b></p>	Imported		01No.	
<b>GRAND TOTAL:</b>					

**FORM OF QUOTATION FOR THE” UP-GRADATION OF SADIS SOFTWARE ”.**

Item No. 08

File# IP-2(3)/Software/570/2021-22

S. No.	Description of store	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
1	<p>SADIS visualization software</p> <p><u>Software functionality</u></p> <ol style="list-style-type: none"> <li>1. Display of OPMET data and other data types in text format</li> <li>2. WAFS GRIB2 decoder and compliant display package</li> <li>3. WAFS SWL, SWH and SWM BUFR decoder and compliant display package</li> <li>4. Display and ability to prompt users of the arrival of chart amendments</li> <li>5. Display and ability to prompt users of the arrival of SADIS administrative messages</li> <li>6. Display of tropical cyclone advisory statements</li> <li>7. Display of volcanic ash advisory statements</li> <li>8. Display of volcanic ash trajectory/dispersion charts</li> <li>9. Display bulletin contents from the WMO header</li> <li>10. Display of Special AIREPs</li> <li>11. Display of WAFS SIGWX charts in the PNG chart format</li> <li>12. Ability to receive all the SADIS products via FTP from the SADIS FTP Service</li> <li>13. Ability to process and display new 0.25 Degree WAFS hazard data for integration in SADIS- user system and software as per Conclusion APANPIRG/31/17: <u>0.25 degree WAFS hazard data &amp; the turbulence, icing and cumulonimbus fields are being upgraded as part of Amendment 79 to ICAO Annex 3 – Meteorological Service for International Air Navigation.</u>( 0.25 degree Turbulence Severity, 0.25 degree Icing Severity &amp;0.25 degree Cumulonimbus extent, base and top etc.)</li> </ol> <p><b><u>Additional Service Support for SADIS visualization software:</u></b></p> <p>New Software copy protection key should be provided in case of faulty. Fully support for the provided SADIS visualization software until its use. If any new update are arrived from SADIS then update for the said facility.</p> <p><b><u>Hardware:</u></b> A core i7 computer with high resolution Graphic card, license Windows 10 (operating S</p>		01No.	
<b>Grand Total:</b>				

**FORM OF QUOTATION FOR THE SUPPLY OF "AIRCONDITIONERS".**

**Item No. 9**

**File# T/E No. IP-2(3)/AC/571/2021-22**

<b>Technical Specifications</b>	<b>Brand</b>	<b>Unit Price with GST (Rs.)</b>	<b>Qty.</b>	<b>Total Price with GST (Rs.)</b>
<b>Airconditioner</b> DC INVERTER (2 tons) Type: Split <i>Installation charges :</i>			<b>01 No.</b>	
<b>Airconditioner</b> DC INVERTER (1.5 tons) Type: Split <i>Installation charges :</i>			<b>02 Nos.</b>	
<b>Total amount:</b>				

**FORM OF QUOTATION FOR THE SUPPLY OF “DRY BATTERIES”.**

**Item No.10**

**File# T/E No. IP-2(3)/Battery/572/2021-22**

<b>S. No.</b>	<b><i>Technical Specifications</i></b>	<b>Origen/ Brand</b>	<b>Unit Price with GST (Rs.)</b>	<b>Qty.</b>	<b>Total Price with GST (Rs.)</b>
01.	<b>Dry Batteries Inverex (Taiwan Brand) or Equivalent 12V-150AH (Gel, Maintenance Free)</b>			<b>16 Nos.</b>	
02.	<b>Dry Batteries Inverex (Taiwan Brand) or Equivalent 12V-45AH (Gel, Maintenance Free)</b>			<b>04Nos.</b>	
<b>Total amount:</b>					

**FORM OF QUOTATION FOR THE SUPPLY OF "SOLAR SYSTEM"**

Item No. 11

T/E No. IP-2(3)/Solar Sys./573/2021-22

<i>S. No.</i>	<i>Description of store</i>	<i>Origin</i>	<i>Unit Price with GST (Rs.)</i>	<i>Qty.</i>	<i>Total Price with GST (Rs.)</i>
01	<b><u>SOLAR SYSTEMS</u></b> Solar Panel (Mono crystalline) 150 Watts, Preferred makes: Solaria, Rec. with DC shielded copper cable 10 mm gauge (length 20 meter ) 30 Amp rating along with installed connectors. The stand / All accessories (customized) for the proposed solar Panel.			07 Nos.	
02	65 AH Dry battery (Preferred Vietnam long)			07 Nos.	
03	Solar Charge Controller mppt tech, 40 Amp. (Preferred makers: Epever, Victron, Mohoo) Float charging.			07 Nos.	
<b>GRAND TOTAL:</b>					

**FORM OF QUOTATION FOR THE SUPPLY OF "COMPUTERIZED TELESCOPE".**

Item No. 12

File# T/E No. IP-2(3)/Telescope/574/2021-22

S No	Technical Specification	QTY	Unit Price With GST	Total cost with GST
1.	<b>Computerized Telescope CPC Deluxe 800 HD</b>	01		
	Should have following specification:			
	Aperture	203.2mm (8")		
	Focal Length	2032mm (80")		
	Focal Ratio	f/10		
	Focal Length of Eyepiece 1	40mm (1.57")		
	Magnification of Eyepiece	1: 51x		
	Finderscope	50mm Finderscope with quick release bracket		
	Star Diagonal	1.25" Star Diagonal		
	Optical Tube	Aluminum		
	Highest Useful Magnification	480x		
	Lowest Useful Magnification	29x		
	Limiting Stellar Magnitude	14		
	Resolution (Rayleigh)	0.69 arc seconds		
	Resolution (Dawes)	0.57 arc seconds		
	Light Gathering Power (Compared to human eye)	843x		
	Secondary Mirror Obstruction	64mm (2.5")		
	Secondary Mirror Obstruction by Diameter	31%		
	Secondary Mirror Obstruction by Area	9.77%		
	Optical Tube Length	432mm (17")		
	Optical Tube Diameter	238mm (9.37")		
	Mount Type	Computerized Altitude-Azimuth Dual Fork Arm		
	Height adjustment range (includes mount and tripod)	1295.4mm - 1422.4mm (51" - 66")		
	Tripod leg material	Stainless Steel		
	Tripod leg diameter	50.8mm (2")		
	Accessory Tray	Yes		
	Slew Speed	9 slew speeds - max speed 5°/second		
	Tracking Rates	Sidereal, Solar and Lunar		
	GPS	Internal 16 channel		
	Number of Auxiliary ports	2 Aux ports (Hand Control can use any of the Aux ports)		
	Auto guide port	Yes		
	USB Port	Yes		
	Power Requirements	12 VDC-1.5A		
	Motor Drive	DC servo motors		
	Alignment Procedures	Sky Align, Auto Two-Star Align, Two-Star Align, Solar System Align, EQ North Align & EQ South Align		
	Periodic Error Correction:	Yes		
	Computerized Hand Control	2 line x 18 character backlit Liquid Crystal Display, 19		

S No	Technical Specification	QTY	Unit Price With GST	Total cost with GST
	LED backlit buttons, USB 2.0 port for PC connection			
	Software			
	Windows base portal application software should provide Knowledge in user's hands to help in observing our Solar System and other celestial objects. The software should provide a guided tour of our Solar System's past, present, and future, and may even model exactly how the night sky will appear from anywhere on Pakistan.			
	Manual			
	Instruction manual for installation, operation and maintenance in English language.			
	Warranty			
	At least one year after installation			
	Installation			
	Installation must be done by the telescope supplier.			
	Training			
	Training on telescope operation and maintenance			
Grand Total:				

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

Item No. 13

File# IP-2(3)/Cont. Sheet/575/2021-22

<i>Technical Specifications</i>	<i>Brand</i>	<i>Unit Price with GST (Rs.)</i>	<i>Qty.</i>	<i>Total Price with GST (Rs.)</i>
<b>Computer Continuous Sheets</b>			<b>120 Boxes</b>	
Size				
Weight				
No. of sheets per Box				
Total amount:				



**FORM OF QUOTATION FOR THE SUPPLY OF "OFFICE STATIONERY".**

Item No. 14

File# IP-2(3)/Stationery/576/2021-22

S. No.	Technical Specifications	Brand	Unit Price with GST (Rs.)	Qty.	Total Price with GST (Rs.)
1	Eraser AL-20 (Pelikan, Large)			100Nos.	
2	Sharpener Silver (Dux)			50Nos.	
3	Pencil Black 3B (Gold Fish or Equivalent)			150Nos.	
4	Ball Pen Blue (Piano-Crystal )			800Nos.	
5	Ball Pen Red (Piano-Crystal)			300Nos.	
6	Draft Pad (8½"X11½" , 70gm)			50Nos.	
7	Hole Punch			30Nos.	
8	Gum Stick (Large) UHU or Equivalent			35Nos.	
9	Stapler Pin (Dollar X1000) (24/6)			70Packets	
10	Marker Large Black (Permanent) Dollar			60Nos.	
11	Marker Large Blue (Permanent) Dollar			30Nos.	
12	Note Sheet (8½"X11½") WT.:80Gsm, white paper (each			80Pads	
13	Gum Bottle (142 Grams), Dollar or Equivalent			30Nos.	
14	White Fluid Pen (Dux)			60Nos.	
15	Scotch Tape (2 Inch size)			50 Nos.	
16	Stamp Pad Crystal Classic (Large)			25Nos.	
17	Ruled Register (8½"X14") , Large, 70Gms. (each register of 100-Sheets)			30Nos.	
18	Envelope (SE-5), with print ON PAKISTAN STATE SERVICE (As per sample)			100Nos.	
19	Envelope (SE-6), with print ON PAKISTAN STATE SERVICE (As per sample)			1000Nos.	
20	Envelope (SE-8), 115 Gram, (11½"X15½")with print ON PAKISTAN STATE SERVICE(As per sample)			100Nos.	
21	File Cover (Blue Colour) , Size: 10"X13", (as per sample) with print <b>Pakistan Meteorological Department, Met. Headquarter's Camp Office, Karachi.</b>			300Nos.	
22	Pencil (Dux)			200Nos.	
23	Stapler SUN WOOD (Silver) or Equivalent			25Nos.	
24	Pointer Crystal, 0.7 (Blue)			100Nos.	
25	Pointer Crystal, 0.7 (Black)			70Nos.	
26	Paper Pin			20 Packets	
27	Paper Clip 33mm			50 Packets	
28	Dairy Register 70 Grams ( 8 ½"x 12½") Each register of 200 Sheets			20 Nos.	
29	Typing Paper ( 8 ½"x 12½"), 65 Grams (each ream of 400 Sheets)			7Reams	
30	File Board (10" X 14"), 200Gsm, Hard type			500Nos.	
31	Highlighter (Palikan) Yellow Colour			50Nos.	
32	Gem Clips (Size:33mm)			50Packets	
33	File Tags (50Nos.)			50bunches	
34.	Steel Scale (1foot length)			20Nos.	
35.	Scissors (for paper cutting)			15Nos.	
				Grand Total:	

**FORM OF QUOTATION FOR THE SUPPLY OF “PPC TONERS”.**

Item No. 15

File# IP-2(3)/PPC Toners/577/2021-22

<b>S. Nos.</b>	<b>Technical Specifications</b>	<b>Country of Origin</b>	<b>Unit Price with GST (Rs.)</b>	<b>Qty.</b>	<b>Total Price with GST (Rs.)</b>
<b>01</b>	Toner for Digital Photocopier SHARP AR 5620V 15000copies per toner			<b>8 Nos.</b>	
<b>02</b>	Toner for Digital Photocopier SHARP AR 6023 15000 copies per toner			<b>02 Nos.</b>	
<b>03</b>	Toner for TOSHIBA Photo Copier Machine e-Studio 2303A (Toner No. T-2309). 17,000 copies per toner			<b>05 Nos.</b>	
<b>04</b>	Toner for TOSHIBA e-Studio 2309 A (Toner No. T-2309) 17,000 copies per toner			<b>15 Nos.</b>	
<b>05.</b>	Toner Toshiba DP-2803AM 17,000 copies per toner			<b>02Nos.</b>	

**GENERAL / SPECIAL CONDITIONS OF CONTRACT/PURCHASE ORDER**

- a) Purchase / work order (s) will be awarded on Item Wise basis as mentioned in Form of Quotation.
- b) 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.
- c) 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.

**DELIVERY TIME OR COMPLETION SCHEDULE**

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- If the vendor fails to deliver the goods / services to Central Meteorological Store, Karachi in time then the penalty will be charged as under:-
  - a. 1% per day of the invoice price for 5 working days.
  - b. 2% per day of the invoice price for further 5 working days.
  - c. If the vendor fails to deliver the goods / services during the extended period then the purchase / workorder may be cancelled, earnest money and payment may be forfeited.

# **FORM OF CONTRACT**

**GOVERNMENT OF PAKISTAN  
PAKISTAN METEOROLOGICAL DEPARTMENT  
METEOROLOGICAL COMPLEX, UNIVERSITY ROAD  
MET. HEADQUARTER OFFICE( CAMP OFFICE)  
P. O. BOX NO. 8454 KARACHI-75270**

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

Karachi, the \_\_\_\_\_, 2021

## **PURCHASE ORDER**

**SUB: SUPPLY OF \_\_\_\_\_**

- Office of Issue : Director General, Pakistan Meteorological Department, Headquarter's Camp Office, University Road, Karachi.
1. Name & address of Supplier : \_\_\_\_\_
2. Supplier's Quotation No. and date. : \_\_\_\_\_
3. (a) Supplier's National Tax No. : \_\_\_\_\_
- (b) Sales Tax Reg. No. : \_\_\_\_\_
4. a) Name of Indenter/ Purchaser. : Director General, Pakistan Met. Department, Meteorological Complex University Road, Karachi.
- b) Purchaser's National Tax No. : 9010608-3
5. Tender No. & Date. : \_\_\_\_\_
6. (a) Debits in respect of deliveries raised against : Director General, Sub-Office of A.G.P.R., Karachi.
- (b) Cost debit to Head. : 041104-Meteorology-\_\_\_\_\_
7. The Indenting/Purchasing Department. : Government Department.
8. Delivery Schedule/date of delivery : \_\_\_\_\_ or earlier.
9. Place of delivery/Terms of delivery : Free delivery to consignee at Karachi.
10. Designation and address of consignee : Met. Incharge, Central Met. Stores, Meteorological Complex, University Road, Karachi. Ph:021-99261418
11. Specification of Supply : As per description of stores given in clause No.16 of this Purchase Order
12. Payment:-
- (a) Supply of Stores and Payment : Cheque of payment will be issued by the Director General, Sub-Office of A.G.P.R, Karachi. Cheque of payment issued by the D.G.P.R, Karachi will be delivered to M/s.\_\_\_\_\_, Karachi by D.D.O, Cash, Meteorological Headquarter's Camp Office, University Road, Karachi
- (b) Year of payment : 2021-2022
13. Inspection:-
- (a) Inspection Authority : Test & Inspection Committee constituted by the Director General, Meteorological Services.
- (b) Place of Inspection : Central Meteorological Stores, University Road, Karachi.
14. Special Instructions:
- a) Please note that the price has been accepted on firm and final basis and as such no increase in the price will be admissible even if any new tax/duty is levied by the Government after submission of your quotation and Purchase Order price will remain un-changed.
- b) Any loss or demurrage etc. incurred due to in-appropriate packing or non compliance of instruction contained in the Purchase Order will be your responsibility on your account.

c) \_\_\_\_\_ will remain under 01 year standard warranty.

15. You have furnished the pay order No. \_\_\_\_\_ dated \_\_\_\_\_ issued from Bank amounting to Rs. \_\_\_\_\_ and pay order No. \_\_\_\_\_ dated \_\_\_\_\_ amounting to \_\_\_\_\_ issued from the same bank submitted as security deposit. These pay orders will be returned back to you only after successful execution of the Purchase Order.

**16. DESCRIPTION OF STORES:-**

S. No.	Description of Store	Quantity	Unit Price with Taxes	Total Cost with Taxes.
01				
<b>Grand Total:</b>				

-sd-

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Meteorologist  
for Director General  
Meteorological Services, Karachi  
Ph: 021- 99261425  
Fax: 021- 99261405

Copy to:-

- 1) Chairperson Inspection Committee/ P.E., NSMC, Karachi.
- 2) D. D. O., Cash, Met Headquarters, Camp Office, Karachi.
- 3) Director General, A.G.P.R. Sub Office, Karachi.
- 4) Deputy Commissioner, Commissioner Inland Revenue, Zone-V, R.T.O. III, Karachi.
- 5) Met. Incharge, Central Meteorological Store, Karachi.

Accepted & Received

(  
Meteorologist  
for Director General  
Meteorological Services, Karachi

For  
Karachi. ,