



INDIGENOUS RESEARCH & DEVELOPMENT AGENCY (PRIVATE) LIMITED

**MINISTRY OF SCIENCE & TECHNOLOGY
GOVERNMENT OF PAKISTAN**

REQUEST FOR PROPOSAL FOR

**ELECTRONICS, SEMICONDUCTOR, PCB & SMT EQUIPMENT
STUDIO, AUDIO-VISUAL & MEDIA EQUIPMENT
ELECTRICAL, KITCHEN EQUIPMENT**

ADVERTISEMENT DATE	16/09/2026
CLOSING DATE	01/10/2026
CLOSING TIME	2:00:00 PM PKT
OPENING TIME	2:30:00 PM PKT

SEPTEMBER 2026

PROCUREMENT DEPTT
IRADA HEAD OFFICE,
PLOT 17, STREET 6, SECTOR H-9/1 ISLAMABAD, PAKISTAN
MOBILE: +92-333-9332314

INVITATION TO TENDER NO. 03-IRADA/2027

Dear Sir/Madam,

1. You are hereby invited to submit bid for the store as detailed in the schedule to this invitation to tender subject to the conditions laid down in the bidding document. The contract resulting from this invitation to tender shall be governed by the conditions as contained in the bidding document. The bid quoting against this invitation shall be deemed to have read and understood the conditions thereof and particulars of the stores required and their specifications.
2. The bidder shall quote on the prescribed schedule to this invitation to tender, on the basis indicated therein and shall sign the certificate to the effect that the stores shall be supplied in accordance with the requirements specified in the schedule. In case there is any deviation, it should be clearly stated by the bidder, otherwise it will be presumed that offer is strictly in accordance with the requirements of the bid notice.
3. In case of offers for supply of stores both imported and indigenous from within the country, price quoted shall be inclusive of all taxes, duties and charges for packing, making, handling etc; where sales tax is levied and is included in the price quoted, it shall be indicated separately.
4. Failure to submit the bid in the manner prescribed in the invitation to tender will render it liable to be ignored.
5. The purchaser shall award the Contract to the most advantageous responsive bid in accordance with PPRA Rules, and reserves to himself the right of accepting full or part quantity offered, and the bidder shall supply the same at the rate quoted.

Yours sincerely

Director Operations
(Director Operations, IRADA)
+92-333-9332314

SCHEDULE OF INVITATION OF TENDER NO. 03-IRADA/2027**SPECIFICATIONS OF PRODUCTS****SOFTWARE / WEB / MOBILE APPS**

Sr	Detail	Description	Qty
1.	High End Workstation for Graphic Designer	RTX 5070 Build: Core i7-14700K / 32GB DDR5 / 1x RTX 5070 12GB / 2TB NVMe M.2 SSD / 850W ATX 3.0 PSU	1
2.	MacBook for iOS Development	MacBook M4/M5 Pro (24-36GB RAM, 1TB SSD)	1
3.	Monitors	Dell Pro 22. 21.5" Full HD VA 100 Hz Monitor, with HDMI interface cables	8
4.	iOS App Testing Device	15 Pro, PTA Approved	1
5.	Large Screen iOS App Testing Device	Apple iPad 11 (A16), Non-PTA	1
6.	MacBook connector Cables	Macbook to Dell LCD Display Connector Cable	2
7.	Android App Testing Devices for Developer and QA	Samsung A17, 8GB 256GB PTA Approved	2
8.	Large Screen Android App Testing Devices	Xiaomi Redmi Pad 2 8/256, Non-PTA	1
9.	RAM Upgradation	Windows Laptop 16GB RAM Extension	15
10.	Accessories	Mobile Connecting Cables (C-C), (USB-C) ,(Old android USB to B-Type Cable)	35
11.	Testing Server (Internal)	Cloud Testing Server (Internal)	1

GAMES / VR

Sr	Detail	Description	Qty
1.	High End Work Station	RTX 5070 Build: Core i7-14700K / 32GB DDR5 / 1x RTX 5070 12GB / 2TB NVMe M.2 SSD / 850W ATX 3.0 PSU with Wifi Enabled Card	6
2.	High End Work Station	RTX 4070 Build: Core i7-13700K / 32GB DDR5 / 1x RTX 4070 Super 12GB / 1TB NVMe M.2 SSD / 750W Gold PSU with Wifi Enabled Card	3
3.	Laptop	Core i5 - 14th Gen -16GB Ram, 1TB NVME ,17 inch	1
3.	Monitors	Professional Development Monitor 165 HZ/185 HZ(24-inch or above)	18

4.	Apple System (FOR IOS Conversion)	MacBook Pro M4/M5 Pro (36GB RAM, 1TB SSD)	1
5.	Testing Devices (For Games Testing)	Samsung Galaxy S24 FE Non-PTA	1
6.	Testing Devices (For Games Testing)	Google Pixel 9 XL Non-PTA	1
7.	Testing Devices (For Games Testing)	iPhone 15 pro, NON-PTA	1
8.	VR Equipment	Meta Quest 3 (512GB)	1
9.	Graphic Tablet (For Designing and Sculpting / shading UI / 3D)	Wacom One S (CTC-4110WL)	3
10.	Headsets	Professional Wireless Headset	9
11.	Storage	External SSD – 2 TB	2
12.	Publishing	Apple Developer Program Yearly Subscription	2
13.	Publishing	Google Play Console Yearly Subscription	2
14.	Productivity	Free pick Yearly Subscription	1
15.	Productivity	Meshy Yearly Subscription	1
16.	Publishing	AWS VM-Yearly Subscription	4
17.	Office Item	Cupboard (H-72, L- 96, W-16) with lockers	2

INTERNET OF THINGS (IOT)

S.N	Items	Specification	Qty	Description
1.	PC - AI Dev. Display x 2 Accessories	Intel Core i7, 14th, 32GB RAM, 1TB NVMe SSD, 16GB GPU NVidia RTX4070, WiFi 6, Win11 official, Dell/Hp	1	High-performance workstation for AI/ML model training and development
2.	ESD Work Bench	72" x 30" x 35" (L x D x H), ESD-safe laminate worktop, grounded, steel frame	2	Anti-static workbench for safe handling of static-sensitive PCBs and components
3.	Soldering rework station	2-in-1 hot air + soldering iron, digital temp control 100-480°C — Proskit/KADA	2	SMD/through-hole component soldering and de-soldering
4.	Variable Power supply	0-30V / 0-5A adjustable, CV/CC mode, overload protection — R&S/UNI-T	2	Bench DC power source for powering and testing circuits
5.	Oscilloscope	4-channel digital storage scope,	1	Time-domain analysis

S.N	Items	Specification	Qty	Description
		100MHz bandwidth, 1GSa/s sampling — R&S		of circuit and signal waveforms
6.	Function generator	Dual-channel, sine/square/triangle/pulse, up to 20-25MHz — R&S	1	Signal source for circuit and component testing
7.	Magnifier with lamp	LED ring-light magnifier, 5x-10x lens, adjustable swing arm	2	Illuminated close-up view for fine soldering and inspection
8.	Digital microscope	USB digital microscope, 200x-1000x zoom, with stand, Screen & 48 MP Camera	1	PCB and component inspection, soldering quality checks
9.	Tool kit	Electronics field tool kit — screwdrivers, pliers, cutters, tweezers, wire strippers in carry case - Pro'sKit	1	General-purpose electronics hand tools
10.	Digital Multimeter	15B+/17B+, auto-ranging, True RMS, CAT III, V/A/ Ω /continuity/diode, Fluke/UNI-T	1	General electrical measurement and fault-finding
11.	Clamp meter	AC/DC clamp, non-contact current sensing, UNI-T	1	Current measurement without breaking the circuit
12.	Handheld LCR meter	100Hz-100kHz test frequency UNI-T	1	Measuring inductance, capacitance and resistance of components
13.	Variable Transformer	Variac 40A, 0–250V or 300V output, 50Hz, with a built-in voltmeter/ammeter	1	Adjustable AC supply for equipment testing
14.	Isolation Transformer	1kVA, 230V:230V(1:1), 50Hz isolation transformer with a 3–4kV dielectric	1	Isolated safe mains supply when servicing live/mains-referenced equipment
15.	Logic Analyzer (USB computer based)	USB, 8-16 channel, up to 24MHz sample rate, I2C/SPI/UART decode	2	Debugging digital signals and communication protocols
16.	ESD wrist strap	Grounding wrist strap with coil cord, adjustable band	2	Personal static-discharge protection when handling sensitive components
17.	Bench (Fume) extractor for soldering	Carbon-filter fume extractor, adjustable gooseneck arm	2	Removes solder smoke at rework stations, protects health
18.	Digital Insulation Tester (Megger)	Insulation resistance tester, 250V/500V/1000V test ranges, up to 2000M Ω	1	Cable and equipment insulation/safety checks
19.	PCB holder	Adjustable wise	2	Hands-free PCB

S.N	Items	Specification	Qty	Description
				positioning during soldering
20.	Digital Vernier Caliper	0-150mm range, 0.01mm resolution, stainless steel	1	Precise mechanical measurement of components and PCB dimensions
21.	Interactive Screen with moveable stand	65" 4K UHD Interactive Flat Panel, 20-40 point touch, Android 11/14 (8GB+128GB), built-in speakers, WiFi/Bluetooth, wireless screen mirroring, optional Windows OPS slot — Hikvision	1	Interactive display for presentations, training sessions and collaborative review of designs/data
22.	Component boxes	Multi-compartment (24-36 slots), stackable, clear lid	4	Storage and organization of small components
23.	Monitors	Dell Pro 22. 21.5" Full HD VA 100 Hz Monitor, with HDMI interface cable	3	AI/App/Firmware Dev
24.	Smart Agriculture System	System development, component, modules	1	Physical Design Development

CHIP DESIGN CENTRE

Sr#	Equipment	Specification	Qty	Description
1	PC Display	Dell Pro 22. 21.5" Full HD VA 100 Hz Monitor, with HDMI interface cables Screen Size: 21.5 inches Resolution: 1920 × 1080 (Full HD) Panel Type: VA (Vertical Alignment) Refresh Rate: Up to 100Hz Response Time: 5ms (GTG Fast) Brightness: 250 cd/m² Contrast Ratio: 3000:1 Viewing Angles: 178° / 178° Color Support: 16.7 million colors Ports: HDMI 1.4, DisplayPort 1.2, VGA Mounting: VESA 100 × 100 mm Tilt Adjustment: -5° to +21° Power Consumption: Typical 11.9W Dimensions (with stand): 491.8 × 376.8 × 171 mm Weight: 2.9 kg	30	Dell Pro 22 E2225HM 21.5" Full HD VA 100 Hz Monitor

PRINTED CIRCUIT BOARD (PCB)

Sr#	Equipment	Specification	Qty	Description
1	PC - Design	Intel Core i7/i9 current Gen,16GB RAM, 1TB NVMe SSD, dedicated GPU with Dual display support, Win11 Pro, MS Office Dell/Hp	5	Standard development workstation for coding, testing and builds.
2	PC Display	Dell Pro 24 Monitor - E2426H or equivalent Diagonal Size: 23.8" Resolution / Refresh Rate: 1920 x 1080 at 120 Hz Panel Technology: In-plane Switching (IPS) Technology Ports: 1 HDMI port (HDCP 1.4) (Supports up to 1920 x 1080, 120 Hz as specified in HDMI 1.4) 1 DisplayPort 1.4 (HDCP 1.4) port 1 VGA port	9	Dual-monitor setup per engineer for schematic and layout side-by-side work
3	Color Laser Printer & Scanner	A3 supported	1	

SMT MOUNTING TECHNOLOGY

Sr#	Item description	Specifications
1	Solder Paste	TAMURA RMA-20-21t (Type 4) 500g packing
2	Iso Propyl Alcohol	Abobe 98.5 % gravity (5 Litre)
3	Soldering Iron	100watt
4	Soldering Station	Pro's kit or Equivalent Temperature controlled
5	heat gun for soldering/de-soldering	Kada 850
6	LN key set	10 pieces
7	Multi purpose tool set	24+ pieces
8	duster type 1	lint free

9	duster type 2	regular cotton+polyester
10	Twizzer	SMD twizzer
11	SMD soldering twizzer	SMD soldering twizzer
12	Surgical gloves	Box packing
13	Lab Coats	ESD safe, Blue color, Polyester+carbon
14	Batteries for 30 KVA UPS	12V, 7.2/7.5 AH
15	Compressor Servicing	Oil, Oil filter, Air filter etc.
16	Lab Slippers	Rubber material
17	Machine lubricant	WD-40
18	Magnifying Glass	Illuminated, Handheld
19	Cleaning wipes	microfiber
20	Soldering wire	60/40 0.8
21	Soldering sucker	standard
22	Desoldering Wick	proskit
23	Flux	tube applicator

NETWORKING ITEMIZED REQUIREMENT

Sr. No.	Description	Qty
1	RJ45 Crimping Tool Pass Through	1
2	RJ45 Pass Through Connectors (Cat6/Cat6A)	300
3	Cat6 Rj45 Boots covers	250
4	Cat6 Keystone Jack/ IO RJ45	80
5	Punch Down Tool	2
6	Long Nose Pliers	1
7	Utility Knife	1
8	Cat6 cable 23Awg (150 Mtr)	1
10	Ethernet Splitter/Coupler (1 to 2)	20
11	Cable Ties Tag 4,6,8 inch, 1 Set Each	3 Set
12	Precision Screwdriver Set	1 Set

13	First Aid Kit	1 No.
14	Network Cable Tester & Cable Tracer (RJ45/RJ11)	1
15	Visual Fault Locator (VFL) – Fiber	1
16	Adhesive Ethernet cable clips	150 Pc
17	Cordless Drill machine 20V, Brushless	1
18	A4 Cable label sheet	35
19	Hammer	1
20	Insulation Tape	10
21	Server rack rails kit	3
22	Double Tape Roll	2

STUDIO EQUIPMENT

Sr. No.	Item	Qty
1	Sony A7 IV (Body)	2
2	Sony FE 24-70mm f2.8 GM II	2
3	Editing Workstation (Apple M 2 Pro)	1
4	Extra Batteries (NP-FZ100)	2
5	V60 / V90 SD Cards (128GB)	4
6	RØDE PodMic / Shure MV7	2
7	Audio Interface (RØDECaster Duo / Focusrite 4i4)	1
8	Boom Arms (Heavy-duty)	2
9	XLR Cables (Quality)	2
10	Closed-Back Headphones	2
11	Key Lights (Godox SL100D / Amaran 100d)	2
12	Softboxes (Large)	2
13	RGB Tube / Accent Lights	2
14	Light Stands & Grips	4
15	Tripods (Video-grade)	2
16	External Monitor (Feelworld / Atomos)	1
17	HDMI Cables (20 ft)	2

KITCHEN EQUIPMENT

#	Item	Specifications
1	Mess Size Fridge – Large	Commercial upright, ~500–700 L, good quality
2	Full Size Microwave Oven	30–40 L, heavy-duty/domestic premium
3	Juicer / Blender	Heavy-duty commercial blender/juicer
4	50-Person Mess Cooking Equipment	Heavy-duty burners/range, large pots, karahis, frying pans, cooking utensils, ladles, etc.
5	Tea Machine	Automatic commercial tea/coffee vending machine
6	Water Filtration Plant	Commercial RO/filtration system suitable for mess use
7	24-Person Good Quality Crockery/Cutlery	Plates, bowls, cups, spoons, forks, knives, serving pieces
8	50-Person Standard Crockery/Cutlery	Standard institutional-grade set
9	Small Tandoor	Stainless-steel/local commercial tandoor
10	24 x Glasses	Good-quality drinking glasses
11	24-Person Tea Set	Cups, saucers, tea plates, sugar/milk serving items

ESSENTIAL ITEMS BUILDING

Sr #	All Areas Combined	Qtys
1.	TV Consoles	3
2.	Souvenir Consoles	3
3.	Paintings (MD Office / Lobby / GR)	3
4.	Spider Phone for Conference room	2
5.	Office Table sets	13
6.	Portable TV Stand with TVs	4
7.	Telephones x 20	20
8.	Exchange	1
9.	Coat Stands	13
10.	HDMI Cables (Good Quality)	17
11.	Building Entrance Rain/Mud Matts	4
12.	Presenter USB/Remote for conference rooms	2
13.	Auditorium Tables 2x2x2	3
14.	Umbrella stand	1

PLUMBING ITEMS

S No.	Items	Qty
1.	Bench Vice	1
2.	Pliers	1
3.	Complete Socket Set – 1 Set	1
4.	Adjustable Wrench (8" & 12") –	2
5.	Pipe Wrench (10" & 14") – 2 Nos.	2
6.	Complete Spanner Set – 1 Set	1
7.	Spirit Level – 1 No.	1
8.	Measuring Tape – 1 No.	1
9.	Hammer – 1 No.	1
10.	Chisel – 1 No.	1
11.	Rotary Hammer Drill Machine (26 mm) – 1 No.	1
12.	PPR Welding Heater with Dies (25, 32, 40, 50 & 63 mm) – 1 Set	1
13.	AC Manifold Gauge Set – 1 Set	1
14.	Converter Adapter – 1 No.	1

BASEMENT PCB FABRICATION / SMT FACILITY

Basement – PCB Fabrication			
	Item	Purpose	Qty
1	Illuminated inspection table	Imaging/Photo Process and QA	1
2	Document/records cabinet	QA documentation and test records	1
3	Panel trolley (multi-shelf, rubber wheels)	Movement between process zones	1
4	Hand pallet truck – SHARED	Raw material and finished goods movement	1
5	Chemical waste bin (color-coded, lidded)	Each chemical process zone	2
6	General waste bin (pedal, lidded)	All zones and offices	3
7	Supervisor/shift-in-charge desk with chair	Zone supervisor stations	1
8	Office table with chairs (2-seats)	Facility coordination room	1
9	Magnifier Lamp (illuminated)	Facility entrance and admin area	2
10	Operator Chair/stools		5
11	Lab Worktables (small, 2'x3' approx)	Shift briefing and status updates	5
12	Safety and hazard signage set (chemical, electrical, PPE zones)	All zones per facility layout	1
13	Floor marking tape (ESD zones, walkways, chemical zones)	Facility-wide zone demarcation	1
14	Wall clock (illuminated)		1
Basement – SMT Facility			
15	PC Workstation for 3 persons	BOM conversion, Production assessment, log and general office activities.	1
16	Cabinet for Record (documents and files) (4 x 5.5 x 2)ft	Production Logs, records, and files.	1
17	Supervisor/shift-in-charge desk with chair	Zone supervisor stations	1
18	Office table with chairs (3-seats)	Floor In charge Room	1
19	Desktop Magnifier Lamp (illuminated)	For inspection and re-work area	2
20	Technician/operator chair	For inspection and rework activities	6
21	Lab Work tables (small, 2'x3' Approx)	Shift briefing and status updates	5
22	First Aid box	In case of incident	1

TERMS AND CONDITIONS

1.	Firms are required to quote rates on free delivery to consignee end. Offer shall remain valid for a period of 30 days from the date of opening of tender. The offer with validity less than 30 days will be rejected.
2.	All the firms will have to deposit Bid Security of 2% of Quoted Value in the form of DD/CDR/PO in Favor of Indigenous Research & Development Agency Pvt Ltd.
3.	Contractors should be registered with the Sales Tax and Income Tax Department.
4.	Bid security shall be retained as performance guarantee for successful bidder and will be released after a period of two months after receiving goods
5.	The quantity of the goods can be increased or decreased before issuing the contract if deemed necessary.
6.	The contractor should give undertaking to replace any defective supply.
7.	Any offer not received as per terms and conditions of the tender enquiry is liable to be rejected.
8.	The name and mailing address of the Applicant shall be clearly marked left hand side of the envelope.
9.	Applications shall be prepared in the English language and as per format described in these documents. Information in any other language shall be accomplished by its translation in English.
10.	The procuring agency may reject all bids or proposals at any time before issuing of contract.
11.	The prices quoted by the firms must be inclusive of GST and other taxes where applicable. The deduction of all relevant taxes is applicable.
12.	The Applicants must respond to all questions and provide complete information as advised in this document. Any lapses to provide essential information may result in dis-qualification of the Applicant.
13.	The clarification meeting, if necessary to be held, shall be informed accordingly well before last date of submission of applications.
14.	Applicants should familiarize themselves with type and Specification of the Goods demanded and other conditions and take them into account in preparing their Proposals. To obtain first-hand information on the assignment, Applicants are encouraged to visit the Purchaser before submitting the tender documents. Applicants should ensure that the official is informed well- ahead of time in case they wish to visit the Purchaser. Contact No. 03339332314.
15.	Each Applicant can submit only one Application covering all the products of interest. If an Applicant submits or participates in more than one Application, such Applicant(s) shall be disqualified.

16.	Any offer not received as per terms and conditions of the tender enquiry is liable to be ignored. No offer shall be considered if: 1. Received without Bid Security, 2. Received after the time and date fixed for its receipt. 3. The tender is unsigned and unstamped. 4. The offer is ambiguous. 5. The offer is conditional. 6. The offer is from a firm, blacklisted, and suspended from any of the Government Department. 7. The offer is received by Telegram or Fax. 8. The offer is for store not conforming to specifications indicated in the tender. 9. Received without valid Certificate of National Tax Number Received without valid Certificate of sales tax registration
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CERTIFICATE

1	We hereby confirm to have read carefully the description of stores and all the terms and conditions of your tender enquiry No. <u>03-IRADA/2027</u> due for opening on _____ for the supply of specified stores in addition to the conditions as appended herewith and also all the special instructions attached to the said tender enquiry. We agree to abide by all those instructions/ conditions.
2	We are hereby confirm that the stores offered by us are exactly to the particulars and specifications as laid down in your tender enquiry in all respects.
3	We accept that if the required Bid security is not furnished or our offer is found lacking in any of the requirements of your tender enquiry, it shall be ignored.
4	We hereby confirm to understand that the delivery period is the essence of the contract and it will be strictly adhered to by us. In case of failure, we agree unconditionally to accept the recovery of liquidated damages on belated supplies at 2% per month or part thereof.
5	Certified that the prices quoted to the department against Tender No. <u>03-IRADA/2027</u> are not more than the prices charged from any other purchasing agencies in the country. In case of any discrepancy, the bidder hereby undertakes to refund the price charged in excess.
6	We hereby confirm that we are not blacklisted by any Government Department and agency

a) Name _____

Signature _____

b) Designation _____

c) Address _____

d) Date _____

e) Seal _____

OFFICE OF PROCUREMENT
(INDIGENOUS RESEARCH & DEVELOPMENT AGENCY (PVT) LIMITED)
FORM OF PROCUREMENT CONTRACT

This is in confirmation to letter No: _____ dated _____ (Advance acceptance of tender)

1.	Contract No. & Date			
2.	Contractor's name & address			
3.	Contractor's reference			
4.	Consignee's name & address			
5.	Condition of contract	As contained in Public Procurement Rules, 2004 as amended up-to date.		
6.	Particular of store	As below		
Item No.	Description of Store	Unit Price (Rs.)	Qty (Rs.)	Total Price Including Tax (Rs.)
	Name of store/item (As per Specification)			
a.				
b.				
c.				
d.				
(Rupees..... Only (in words))				
7.	Delivery period			
8.	Place of delivery	Plot 17, Street 6, Sector H-9/1, Islamabad		
9.	Dispatch instructions	Free delivery at consignee's end.		
10.	Inspection authority	(Indigenous Research & Development Agency (Pvt) Limited)		
11.	Place of inspection	Plot 17, Street 6, Sector H-9/1, Islamabad		
12.	100% payment will be made within 30 days after receipt of store.			

PRICE SCHEDULE IN PAK RUPEES/FORM OF BID

Name of bidder: _____

1	2	3	4	5	6	7	8
Item	Description	Country of Origin	Quantity	Unit price excluding Sales tax (Rs.)	Sales Tax (Rs.)	Unit price including sales tax (Rs.)	Total Amount including Sales Tax (Rs.)
1							
2							
3							
4							
5							
Total Amount without GST							
GST @ 18%							
Total Amount including GST.							
Amount in words:							

f) Name _____

Signature _____

g) Designation _____

h) Address _____

i) Date _____

j) Seal _____