Tender Covering Form

Directorate of Procurement (Navy)

Through Bahira Gate, Near SNIDS Centre, Naval Residential Complex E-8

ISLAMABAD

Contact: Reception: 051-9262311

Bahria Gate: 0331-5540649 Section: 051-9262304

Email: dpn@paknavy.gov.pk

Adpn31pre@paknavy.gov.pk

P- 31/PRE Section (Contact: 0519262304, 05120062059, Email: adpn31pre@paknavy.gov.pk)

Tender No	o & Date			
Tender Description				
IT Openin	g Date			
Firm Nam	e			
Postal Ad	dress			
Email Add	dress for Correspondence			
	erson Name			
Contact N				
Documer	nts to be Attached with Quotation: Firm is to sub			ed envelope which
	ain 03 x Sealed Envelops as per details given below:		•	·
	Envelop 1 – Technical Offer in Duplicate			
	elope must contain 02 x sets of Technical Offer (01			
	following documents as per this order and Supplier i	is to ma	rk tick 🗹 agains	t each to ensure
S No	e documents have been attached:		Ovininal Cat	Comu Cot
1.	Document Bank Challan		Original Set	Copy Set
2.	Principal Authorization Letter (where applicable)			
3.		(where		
J.	applicable)	(WITCI C		
4.	DP -1 Form of IT (with compliance remarks)			
5.	DP - 2 Form of IT with compliance remarks agains	t each		
	clause.			
6.	Technical Offer / Specs			
7.	Annexes of IT			
8.	DP-3 form of IT (dully filled & signed)			
9.	DGDP Registration Letter (If firm is registered DGDP)	d with		
10.	Income tax Filling Proof.			
11.	Sales Tax registration Proof.			
12.	CEO Name & CNIC No.			
13	Imported with OEM CoC (Certificate of Conformation of Conformation)			
	compatible to preferred makes given in of Annex A			
	OEM to be clearly mentioned).			
14	Country of Origin (Must be mentioned)			
Sealed I	Envelop 2 – Earnest Money: This Envelop must of	contain E	Earnest Money or	ગીy.
Sealed I	Envelop 3 - Commercial Offer: This Envelop mus	st contai	in following docu	ments:
1.	Firm's Commercial Offer	01 x O	riginal	
2.	Principal Invoice (where applicable)	01 x O		
3.	Dully filled DP-2 Form of IT	01 x O		
				P 51 1

<u>Firm's Declaration:</u> It is certified that we have submitted tender in compliance with above instructions and we understand that our offer is liable to rejection if tender is not prepared / packed as per above instructions.

Firm's	Authorized	Signatures	
LIIIII 2	Authorized	Signatures	

DIRECTORATE PROCUREMENT (NAVY)

	Directorate of Procurement (Navy) Through Bahira Gate Near SNIDS Centre, Naval Residential Complex E-8 ISLAMABAD Contact: Reception: 051-9262311 Bahria Gate: 0331-5540649 Section: 051-9262304 Email: dpn@paknavy.gov.pk Adpn31pre@paknavy.gov.pk		
M/s			
	Date		
INVITATION TO TENDER AND GENE	RAL INSTRUCTIONS		
Dear Sir / Madam,			
1. DP (Navy) invites you to tender per details given in attached Schedule	for the supply of stores/equipment/ services as to Tender (Form DP-2).		
successful bidder is governed by the r	ubsequent contract agreement awarded to the ules / conditions as laid down in PPRA Rules-	Understood agreed	Uno
laid down by MoDP / DGDP. As a pote firm to first acquaint yourself with PPF 35 (Revised 2019) (print copy may be Phone No. 051-9270967 before participossesses requisite technical as well willing to register with DGDP to qualif	overing general terms & conditions of contracts ential bidder, it is incumbent upon you and your RA Rules 2004 (www.ppra.org.pk) and DPP&I-be obtained from DGDP Registration Cell on cipating in the tender. If your firm / company financial capability, you must be registered or by for award of contract, which shall be made of required registration documents mentioned		
	cts. The 'Contract' made as result of this I/T s 2004 shall mean the agreement entered into	Understood agreed	Uno

4. <u>Delivery of Tender.</u> The tender documents covering technical and commercial offers are to be furnished as under:-

between the parties i.e. the 'Purchaser' and the 'Seller' on Directorate General Defence Purchase (DGDP) contract Form "DP-19" in accordance with the law of contract Act, 1872 and those contained in Defence Purchase Procedure & Instructions and DP-35 (Revised 2019) and other special conditions that may be added to given contract for the supply of Defence Stores / Services specified herein.

a. Commercial Offer. The commercial offer will be in single copy and
indicate prices quoted in figures as well as in words in the currency mentioned
in IT. It should be clearly marked in fact on a separate sealed envelope
"Commercial Offer", tender number and date of opening. Taxes, duties,
freight/transportation, insurance charges FATs, local training Foreign training,
installation commissioning, services Taxes are to be indicated separately.
Total price of the items quoted against the tender is to be clearly mentioned.
In case of more than one option offered by the firm, DP(N) reserves the
right to accept lowest technically accepted option if more than one options were accepted in Technical Scrutiny Report.

b. <u>Technical Offer: (Where Applicable).</u> Should contain all relevant specifications in <u>DUPLICATE</u> (or as specified in IT) along with essential literature/brochure, drawings and compliance metrics in a separate sealed envelope and clearly marked "Technical Offer" without prices, with tender number and date of opening. Technical offer shall be opened first; half an hour after the date and time for receipt of tender mentioned in DP-2. Firms are to confirm/comply with IT technical specification in the following format:

S.No	Technical requirement per IT	as	Firm's endorsement (Comply/ Partially Comply/ Non Comply	i.e. Refer to page or	availability of

(Legend: C = Fully Comply, PC = Partially Comply, NC = Not Comply)
(Firms must clearly identify where their offer does not meet or deviates from IT Specs)

- c. <u>Special Instructions.</u> Tender documents and its conditions may please be read point by point and understood properly before quoting. All tender conditions should be responded clearly. In case of any deviation due to non-acceptance of tender conditions(s), the same should be highlighted alongwith your offered conditions. Tender may however be liable to be rejected.
- d. Firms shall submit their offers in two separate envelopes (i.e. one copy of commercial offer and two copies of the technical offers as asked in the IT) and envelops clearly marked "Technical proposal", "Commercial proposal" in bold. The commercial offer will include rates of items/services called for and the technical offer will not indicate the rates. Both types of offers are to be enclosed in separate covers and each envelope shall be properly sealed bearing of the bidder. Each cover shall indicate type of offer, number and date of IT and IT opening date. Thereafter both the envelopes (technical and commercial offer) shall be placed in one envelope (second cover) duly sealed and signed. This cover should bear the address of the procurement agency indicating, issuance date of IT and No, with its opening date. This should be further placed in another cover (third cover), addressed and indicated in the tender documents, without any indication that there is a tender within it.

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(alongwith annexes), DP-3 and submitted with the technical	and Questionnaires. Form DP-1, DP-2 Questionnaires duly filled in are to be er duly stamped/signed by the authorized to mention that all these are essential tender.	Understood agreed	Under not ag
f. The tender duly sealed will be	be addressed to the following:-		
T M M	Directorate of Procurement (Navy) Through Bahira Gate Near SNIDS Centre, Naval Residential Complex E-8 SLAMABAD		
	Contact: Reception: 051-9262311 Bahria Gate: 0331-5540649 Section: 051-9262304 Email: dpn@paknavy.gov.pk Adpn31pre@paknavy.gov.pk		
date and time specified in the Schedu Directorate will not accept any excuse of after the appointed/ fixed time will NO however, fall on next working day legitimate/registered representatives of fire	le to Tender must reach this office by the le to Tender (Form DP-2) attached. This delay occurring in post. Tenders received of T be entertained . The appointed time will, in case of closed/forced holiday. Only rm will be allowed to attend tender opening. The nents by registered post or courier service, vy) on Phone No 051-9262311 well	Understood agreed	Underst not agre
tender. Commercial offers will be opene acceptable on examination by technical a opening of Commercial offer shall be in representative of firm will be allowed to at	e opened as mentioned in the schedule to d at later stage if Technical Offer is found authorities of Service HQ. Date and time for ntimated later. Only legitimate / registered tend tender opening. Tenders received after rejected without exception and returned un-	Understood agreed	Underst not agre
7. Validity of Offer.			
invariably be 120 days from the opposal or 30th June whichever i	notations must be indicated and should date of opening of Commercial / Financial is later. Firm undertakes to extend validity of of original bid period (i.e. 120 days as per	Understood agreed	Underst not agre
the contract items (s) in any qty(s)	that in case of an additional requirement of within a period of 12 months from the date also be supplied at the ongoing contract	Understood agreed	Under not ag
8. Part Bid. Firm may quote for the	ne whole or any portion, or to state in the		

tender that the rate quoted, shall apply only if the entire quantity/range of

accepting the whole or any part of the tender or portion of the quantity offered, and firm shall supply these at the rate quoted. 9. **Quoting of Rates.** Only one rate will be quoted for entire quantity, item wise. Understood Understoo In case quoted rates are deliberately kept hidden or lumped together to trick other agreed not agreed competitors for winning contract as lowest bidder, DP(N) reserves the right to reject such offers on-spot besides confiscating firm's Earnest Money / Bid Security and take appropriate disciplinary action. Conversion rate of FE/LC components will be considered w.e.f. opening of commercial offer as per PPRA Rule-30(2). Understood Understo 10. Return of I/T. ITs are to be handled as per following guidelines: agreed not agree For registered firm(s), case will be referred to DGDP for necessary a. administrative action if firms registered / indexed for tendered items/stores do not quote / participate. It is a standard practice to invite all firm(s) including those un-registered Understoo Understoo with DGDP who gave their preliminary budgetary/ technical proposals to end d agreed not agreed users / indentors. If your firm has been invited to participate in the tender, you must either participate in tender. In case of your inability to do so, you must inform DP (Navy) by a formal letter/email. 11. Withdrawal of Offer. Firms shall not withdraw their commercial offers Understood Understo before signing of the contract and within validity period of their offers. In case the firm agreed not agree withdraws its offer within validity period and before signing of the contract, Earnest Money of the firm shall be confiscated and disciplinary action may also be initiated for embargo up to 01 year. 12. **Provision of Documents in case of Contract.** In case any firm wins a Understood Understoo agreed not agreed contract, it will deposit following documents before award of contract: Proof of firm's financial capability. a. Foreign Seller has to provide its Registration Number issued by b. respective Department of Commerce authorizing export of subject stores. Principal/Agency Agreement. Registration with DGDP (Provisional Registration is mandatory) d. 13. **Treasury Challan.** Offers by registered firms must be accompanied with a Challan form of Attached Not Rs.200/- (obtainable from State Bank of Pakistan/Government Treasury) and Attached debit able to Major Head C02501-20, Main Head-12, Sub Head 'A' Miscellaneous (Code Head 1/845/30). Each offer will be covered by one Challan. Firms, un-registered / un-indexed with DGDP (Registration Section) b. are) to participate in the tender by submitting Challan Form of Rs 300 in favour of CMA (DP). 14. **Earnest Money/Tender Bond:-** Please ensure Earnest Money is contained Attached Not Attached in a separate envelop (not inside Technical or commercial offer). Offer is liable to be rejected in case Earnest Money is packed inside commercial or

stores is taken from the firm. The Director Procurement reserves the right of

Technical offer. Your tender must be accompanied by a **Call Deposit Receipt (CDR)** in favor of **CMA (DP)**, Rawalpindi for the following amounts:-

- a. <u>Submitting improper Earnest Money</u>. Earnest Money/Bid Security furnished with tender is strictly in conformity of tender/IT conditions (Clause 14 of DP-1 and clause 10 of DP-2) on the subject. We have no objection on confiscation of Earnest Money/Bid security and rejection of our offer in case amount of Earnest Money/Bid Security is improper/insufficient in violation of IT condition.
- b. Rates for Contract. The rate of earnest money and its maximum ceil for different categories OF FIRMS would be as under:-
 - (i) Registered/Indexed/Pre-Qualified Firms. 2% of the quoted value subject to maximum ceiling of Rs. 0.500 Million.
 - (ii) Registered/Pre-Qualified but Un-indexed Firms. 3% of the quoted value subject to maximum ceiling of Rs. 0.750 Million.
 - (iii) <u>Unregistered/not Pre-Qualified/Un-indexed Firms</u>. 5% of the quoted value subject to maximum ceiling of Rs. 1.000 Million.

c. Return of Earnest Money

- (i) Earnest money to the **unsuccessful bidders** will be returned on finalization of the contract.
- (ii) Earnest money of the firm/firms with whom contract is concluded will be returned on submission of Bank Guarantee and its acceptance by CMA (DP).
- **15.** <u>Documents for provisional registration:</u> In case your firm wins a contract on Earnest Money (EM), it will deposit following documents to DGDP (Registration Section) before the award of contract for provisional registration:-

S No	Local Supplier	Foreign Supplier
a.	Three filled copies of SVA-8121 of each member of management.	Three filled copies of SVA-8121-D of each member of management.
b.	Three filled copies of SVA-8121-A	Three filled copies of SVA-8121.
C.	Three photocopies of NIC for each member of management.	Three photocopy of Resident Card or equivalent identification Card for each member of management.
d.	Three PP size photographs for each member of management.	Three PP size Photographs for each member of management.
e.	Challan Form	Challan Form
f.	Bank Statement for last one year.	Financial standing/audit balance sheet
g.	Photocopy of NTN	Photocopy of passport
h.	Foreign Principal Agency Agreement in case of local agent.	Agency Agreement in case of Trading House/ Company/ Exporter /Stockiest etc.

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	gnee ction sh	ection Authority. CINS, Joint Inspection will be carried out by INS, & Specialist User or a team nominated by Pakistan Navy. CINS hall be as prescribed in DPP & I-35 (Revised 2019) or as per terms of the	Understood agreed	Underst not agre
17. Warra		ition of Stores. Brand new stores will be accepted on Firm's parantee Form DPL-15 enclosed with contract.	Understood agreed	Underst not agre
18. along a.	with th	ments Required. Following documents are required to be submitted to e quote: Authorized Dealer/Agent Certificate along with OEM Dealership	Understood agreed	Underst not agre
Evide	b. CINS Confo to DP receip Certifi	The firm/supplier shall provide correct and valid e-mail and Fax No to and DP(N). Supplier/contracting firm shall either provide OEM ormance Certificate to CINS or is to be e-mailed to CINS under intimation (Navy). Hard copy of COC must follow in any case through courier. On ot, CINS shall approach the OEM for verification of Conformance icates issued by OEM. Companies/firms rendering false OEM orming Certificates will be blacklisted.		
	C.	Original quotation/Principal/OEM proforma invoice.		
		In case of bulk proforma invoice, a certificate that prices indicated in the proforma invoice have not been decreased since the date of bulk ma invoice from the manufacturers/suppliers.		
	e.	Submit breakup of cost of stores/services on the following lines:		
19.		(ii) Imported material with break down item wise along-with import duties. (iii) Variable business overheads like taxes and duties imposed by the federal/provincial government as applicable: (1) General Sales Tax (2) Income Tax (3) Custom Duty. PCT code along with photocopy of the related page is to be attached where applicable. (4) Any other tax/duty. (iii) Fixed overhead charges like labour, electricity etc. (iv) Agent commission/profit, if any. (v) Any other expenditure/cost/service/remuneration as asked for in the tender. Etion of Stores/Services. The stores/services offered as a result of chuded against this tender may be rejected as follows:	Understood	Understoo
contra	a. a. b. c.	cluded against this tender may be rejected as follows: 1 st rejection on Govt. expense 2 nd rejection on supplier expense 3 rd rejection contract cancellation will be initiated.	Understood agreed	Understoo agreed
20. of stor		rity Deposit/Bank Guarantee. To ensure timely and correct supply firm will furnish an unconditional Bank Guarantee (BG in the currency in	Understood agreed	Underst not agre

which contract is concluded) from a schedule Bank of Pakistan for an amount upto 10

% of the contract value (excluding Taxes, duties/freight handling charges) on a Judicial Stamp Paper (All pages) of the value of (Rs 100.00) as per prescribed format or in shape of CSD/Bank draft. The Bank Guarantee shall be endorsed in favour of CMA (DP) Rawalpindi who is the Accounts Officer specified

in the contract. The CMA (DP) Rawalpindi has the like power of seeking encashment of the Bank Guarantee as if the same has been demanded by the purchaser himself. The Bank Guarantee shall be produced by the supplier within 30 days from the date of issue of the contract and remain valid for upto 60 days after completion of warranty period and remain in force till one year ahead of the delivery date given in the contract. If delivery period is extended, the supplier shall arrange the extension of Bank Guarantee within 30 days after the original delivery period to keep its validity always one year ahead of the extended delivery period. The BG form can be obtained from DP(N) on e-mail address given on page 1. Format of BG is enclosed at Annex B.

- 21. <u>Integrity Pact</u>. There shall be "zero tolerance" against bribes, gifts, commission and inducement of any kind or their promises thereof by Supplier / Firm to any Government official / staff whether to solicit any undue benefit, favour or otherwise. Following provisions must be clearly read & understood for strict compliance:
 - a. Integrity Pact shall be applicable to all tenders / contracts irrespective of their financial value. However, a written Integrity Pact shall be signed for contracts exceeding Rs 10 Million between the procuring agency and the supplier / contractor i.a.w Rule-7 of PPRA-2004. The form is available at www.ppra.org.pk or can be requested at dpnavy@paknavy.gov.pk
 - b. If a Supplier / Contractor is found involved in any unbusiness-like / unethical activity, same would be considered a serious breach of the Integrity Pact. DP (Navy) shall take severe disciplinary action against that person(s) and the firm / company, which may include, but not limited to, **PERMANENT BLACKLISTING** of firm / company through DGDP and legal action against the individual (s) involved as per Pakistan's Code of Criminal Procedure.
 - c. It is strictly forbidden to socialize, call or meet any official / staff of DP (Navy) in private or during off hours. If any official / staff from Purchaser side asks for any undue favour or gratification directly or indirectly, the matter is to be immediately brought to the personal notice of Director Procurement (Navy) on Tel: 051-9271468 or through a personal meeting in office. Privacy of firms and their Reps sharing such information will be guaranteed without any prejudice to their normal business activities.
- 22. <u>Correspondence.</u> All correspondence will be addressed to the Purchaser i.e. DP (Navy). Correspondence with regard to payment or issue of delivery receipt may be addressed to CMA Rawalpindi & Consignee respectively with copy endorsed to the DP (Navy).
- 23. <u>Pre-shipment Inspection</u>.PN may send a team of officers including DP(N) member for the inspection of major equipment's and machinery items at OEM premises as per terms of contract. If not already provided for and mentioned in the I.T, firm(s) must clarify the place, number of persons, duration and whether expenses on such visits would be borne by the Purchaser or Contractor. In case contractor is responsible for bearing such expenses, detailed breakdown of the same should be given separately in the commercial offer.

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24. Amendment to Contract. Contract may be amended/modified to infresh clause (s) modify the existing clauses with the mutual agreement by supplier and the purchaser; such modification shall form an integral participant.	by the	Understood agreed	Understoo
25. <u>Discrepancy</u> . The consignee will render a discrepancy report concerned within 60 days after receipt of stores for discrepancies found consignment. The quantities found short are to be made good by the supplier, tost.	in the	Understood agreed	Understo
26. Force Majeure.			
a. The supplier will not be held responsible for any delay occurr supply of equipment due to event of Force Majeure such as acts of God Civil commotion, Strike, Lockouts, Act of Foreign Government and its age and disturbance directly affecting the supplier over which ever circumstances the supplier has no control. In such an event the supplier inform the purchaser within 15 days of the happening and within the timeframe about the discontinuation of such circumstances/happen writing. Non-availability of raw material for the manufacture of stores, export permit for the contracted stores from the country of its origin, sh constitute Force Majeure.	l, War, encies nts or or shall same ing in , or of	Understood agreed	Understo
b. The Supplier shall provide the Purchaser with all the necessary per the occurrence of the events and its effect on the contract performance 30 days from the start to force majeure event.			
c. The Purchaser shall be entitled to conduct investigation into the of delay reported by the Supplier.	cause		
d. Where the delay was due to genuine force majeure event it shall entered the delivery for a period of equal to the period in which such force mains operative.			
e. Such extension in delivery period, due to force majeure, shall not the Suppliers to claim any extra from the Purchaser.	entitle		

27. **Arbitration.** Parties shall make their attempt to settle all disputes arising under this contract through friendly discussions in good faith. In the event that either party shall perceive such friendly discussion to be making insufficient progress towards settlement of dispute (s) at any time, then such party may be written notice to the other party refer the dispute (s) to final and biding arbitration as provided below:

a. The dispute will be referred for adjudication to two arbitrators one to be nominated by each party, who before entering upon the reference shall appoint an umpire by mutual agreement, and if they do not agree a judge of the Superior court shall be requested to appoint the umpire. The arbitration proceedings shall be held in Pakistan and under Pakistani Law.

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- b. The venue of the arbitration shall be the place from which the contract is issued or such other places as the Purchaser at his discretion may determine.
- c. The arbitration award shall be firm and final.

	 All proceedings under this clause shall be conducted in English language and in writing 	ו	
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liable t	Liquidated Damages (LD). Liquidated Damages upto 2% per month are o be imposed on the suppliers by the purchaser in accordance with DP-35, ares supplied after the expiry of the delivery date without any valid reasons	f agreed	Understood not agreed
	alue of LD shall not exceed 10% of the contract value.		
with the	Risk Purchase. In the event of failure on the part of supplier to comple contractual obligations the contract will be cancelled at the Risk and Expense of the supplier in accordance with DP-35.		Understoo not agreed
(112) 0	The supplier in accordance with Dr. 66.		
the cor	<u>Compensation Breach of Contract.</u> If the contractor fails to supplet racted stores or contract is cancelled either on RE or without RE or contract e ineffective due to default of supplier / seller or stores / equipment declared	Understood	d Underst not agre
Govern the res compe	we and caused loss to the Government, contractor shall be liable to pay to the nument compensation for loss or inconvenience resulting for his default or from scission of his contract when such default or rescission take place such neation will be in excess to the RE amount, if imposed by the competer ty. Compensation amount in terms of manage will be decided by the purchase	n n t	
officer	ty. Compensation amount in terms of money will be decided by the purchase and will be deposited by contractor / seller in Government treasury in the cy of contract.		
compe represe except govern of suc nomina Manufa	Gratuities/Commission/Gifts. No commission, rebate, bonus, fee of insation in any form shall be paid to any local or foreign agent, consultare entative, sales promoter or any intermediary by the Manufacturer/Supplies the agent commission payable as per the agent commission policy of the ment and as amended from time to time and given in the contract. Any breach clause(s) of the contract by Manufacturer/Supplier and/or their sole ated representative may result in cancellation of the contract blacklisting of the acturer/Supplier financial penalties and all or any other punitive measure which the contract appropriate.	agreed r e	d Underst
	Termination of Contract. a. If at any time during the currency of the contract the Purchaser decide to terminate the contract for any reason whatsoever (other than for reasons of Non-Delivery) he shall have right to do so by giving the Supplier a registered notice to that effect. In that event the Purchaser will accept delivery at the contract price and terms of such stores/goods/services which are in the actual process of manufacture that is completed and ready for delivery within thirt days after receipt by the Supplier of such notice.	f agreed	d Underst not agre
	b. In the case of remainder of the undelivered stores/goods/services the Purchaser may elect either:	e	

(i) To have any part thereof completed and take the delivery thereof at the contract price or.

d. In course of arbitration the contract shall be continuously be executed except that part which is under arbitration

- (ii) To cancel the remaining quantity and pay to the Supplier for the articles or sub-components or raw materials purchased by the Supplier and are in the actual process of manufacture at the price to be determined by the Purchaser. In such a case materials in the process of manufacture shall be delivered by the Supplier to the Purchaser.
- (iii) No payment shall however be made for any materials not yet in the actual process of manufacture on the date notice of cancellation is received.
- c. Should the Supplier fail to deliver goods/services in time as per quality terms of contract or fail to render Bank Guarantee within the stipulated time period or any breach of the contract the Purchaser reserves the right to terminate/cancel the contract fully or any part thereof at the risk and expense (RE) of the Supplier.
- 34. <u>Rights Reserved.</u> Directorate of Procurement (Navy), Rawalpindi reserves full rights to accept or reject any or all offers including the lowest. Grounds for such rejections may be communicated to the bidder upon written request, but justification for grounds is not required as per PPRA Rule 33 (1).
- 35. Application of Official Secrets Act, 1923. All the matters connected with this enquiry and subsequent actions arising there from come within the scope of the Official Secrets Act, 1923. You are, therefore, requested to ensure complete secrecy regarding documents and stores concerned with the enquiry and to limit the number of your employees having access to this information.
- 36. <u>Acknowledgment.</u> Firms will send acknowledgement slips within 07 days from the date of downloading of IT from the PPRA Website i.e. <u>www.ppra.org.pk</u>
- 37. <u>Disqualification.</u> Offers are liable to be rejected if:
 - a. Received later than appointed/fixed date and time.
 - b. Offers are found conditional or incomplete in any respect.
 - c. There is any deviation from the General /Special/Technical Instructions contained in this tender.
 - d. Forms DP-1, DP-2 (along with Annexes), and DP-3 duly signed, are NOT received with the technical offer.
 - e. Taxes and duties, freight/transportation and insurance charges NOT indicated separately as per required price breakdown mentioned at Para 17.
 - f. Treasury challan is NOT attached with the technical offer.
 - g. Multiple rates are quoted against one item.
 - h. Manufacturer's relevant brochures and technical details on major equipment assemblies are not attached in support of specifications.
 - Subject to restriction of export license.
 - k. Offers (commercial/technical) containing non-initialed/ unauthenticated amendments/corrections/overwriting.
 - I. If the authorization letter/ agency/ dealership/ distribution agreement is not attached or if the validity of the same is expired.

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- The commercial offer against FOB/CIF/C&F tender is quoted in local m. currency and vice versa.
- Principals invoice in duplicate clearly indicating whether prices quoted are inclusive or exclusive of the agent commission is not enclosed.
- Earnest money is not provided.
- Earnest Money is not provided with the technical offer (or as specified). q.
- If validity of offer is not quoted as required in IT or made subject to confirmation later.
- Offer made through Fax/E-mail/Cable/Telex.
- If offer is found to be based on cartel action in connivance with other sources/ participants of the tender.
- If OEM and principal name and complete address is not mentioned.
- Original Principal Invoice is not attached with offer.
- Appeals by Supplier/Firm. Any aggrieved Supplier/Firm against the decision 38. of DP (N) or CINS or any other problematic area towards the execution of the contract may prefer an Appeal to Standing Appeal Committee (SAC) comprising PN Officers and military finance rep at Naval headquarters, Islamabad. The detail and timeline for preferring appeals is given below:

S.No.	Category of Appeal	Limitation Period
a.	Appeals for liquidated damages	Within 30 days of decision
b.	Appeals for reinstatement of contracts	Within 30 days of decision
C.	Appeals for risk & expense amount	Within 30 days of decision
d.	Appeals for rejection of stores	Within 30 days of decision
e.	Appeals in all other Cases	Within 30 days of decision

Limitation. Any appeal received after the lapse of timelines given in para 38 39. above shall not be entertained.

40. SECRECY / NON DISCLOSURE AGREEMENT (NDA)

The supplier shall undertake as per attached Annex C that any information about the sale/purchase of stores under this contract shall not be communicated to any person other than the manufacturer of the stores, or to any press or Agency not authorized by DP(N) to receive it.

Any breach of it shall be punishable under the Official Secrets Act, 1923 in addition to termination of the contract at the risk of the supplier.

41. For Firms not Registered with DGDP.

Firms not registered with DGDP undertake to apply for registration with DGDP prior signing of Contract. Details can be found on DGDP website www.dgdp.gov.pk.These firms can participate in tender iaw paras 12 and 14 above and provision of documentary proof regarding financial status of the firm alongwith NTN and GST registration copies.

42. Firms which are not registered with DGDP should initiate provisional registration in accordance with Para 41. Besides, ground check by Field Security (FS) Team will be made for security clearance related to participation in the tender

after technical opening. Firms undertake to provide following documents for ground check by FS Team:

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Understood agreed	Understoo not agreed
Jnderstood igreed	Understood not agreed

Understood

not agreed

agreed

NTN a.

	b. c. d. e. f. g. h. j. k. l. m.	Income Tax Return Sales Tax Return Sales Tax Certificate Chamber of Commerce Indus Professional Tax Certificate (I Office/Home/Ware House Pro Utility Bills (Phone/Electricity) Firm Vehicle/Personal Vehicle CEO Visiting Card/NIC Copy, DGDP Registration letter Firm Bank Statement	Excise & Taxation) operty documents		
	n. p. q. r. s. t. u. v. w. x. y. z. aa. ab. ac. ad.	Non Black List Certificate 2 X Witness + CNIC and Mob Police Verification Agency Agreement OEM Certificate ISO Certificate Stock List with value Company Profile/Broachers Employees List Firm Categories Sole Proprietor Certificate Partnership Deed Pvt Limited Memorandum of Articles Form 29 and Form A Incorporation Certificate	pile Numbers		
	not be		clauses marked as "Understood & Agreed" ender opening. The IT provisions accepted tract negotiations.	Understood agreed	Underst not agre
44.	The a	bove terms and conditions are	confirmed in total for acceptance.		
45.	Forma	at of DPL-15 (DP2 form) and P	PBG are enclosed as Annex A & B.		
			Sincerely yours,		

(To be Signed by Officer Concerned)

Rank:_____

DPL-15 (WARRANTY / GUARANTEE)

FIRM'S NAME: M/s_	 	

- 1. We hereby guarantee that the articles supplied under the terms of this contract are produced new in accordance with approved drawings/specification and in all respect in accordance with the terms of the contract, and the materials used whether or not of our manufacture are in accordance with the latest appropriate standard specifications, as also in accordance with the terms of complete of good workmanship throughout and that we shall replace FOR/DDP Karachi free of cost every article or part thereof use or in use shall be found defective or not within the limits and tolerance of specifications requirement or in any way not in accordance with the terms of the contract.
- 2. In case of our failure to replace the defective stores free of cost within a reasonable period, we shall refund the relevant cost FOR/DPP Karachi (As the case may be in currency in with received).
- 3. This warranty shall remain valid for <u>01 Year</u> after the acceptance of stores by the end user

The signature must be the same as that on the tender/contract, or if otherwise must be shown to be the signature of a person capable of giving a guarantee on behalf of the contractor

SIGNATURE
DATE
PLACE

BANK GUARANTEE FOR PERFORMANCE ON JUDICIAL STAMP PAPER OF RS. 100/- OR AS SUITABLE TO THE AMOUNT OF BG

(i)	Contract No.	dated
(ii)	Name of Firm/Contractor	
(iii)	Address of Firm/Contractor	
(iv)	Name of Guarantor	
(v)	Address of Guarantor	
(vi)	Amount of Guarantee Rs	
(· · · · · · · · · · · · · · · · · · ·)
(!!)		in words)
(VII)	Date of expire of Guarantee	
		ic Republic of Pakistan through the Defence Purchase) Rawalpindi.
Sir,		
1.		re entered into Contract No dated
with	Messer's	
	`	and Address)
		omer and that one of the conditions of the
		onditional Bank Guarantee by our customer
		Rupees/FE (as
appı	icable)	
unde	ertake as under: -	lation of the contract, we hereby agree and
to		nt not exceeding the sum or RsRupees or FE (as applicable)
_		as would be mentioned in your written
Dem	and Notice.	
b.	To keep this Guarantee in fo	orce till
whice i.e. Made and the walid this	ad of the original/extended de th so ever is later in duration of M/s received by us on or befor rantee shall cease on the clos lity of this Bank Guarantee. rtained by whether you suffer	nk Guarantee shall be kept one clear year livery period or the warrantee of the stores on receipt of information from our Customer or from your office. Claim, if any must be e this day. Our liability under this Bank ing of banking hours on the last date of the Claim received thereafter shall not be a loss or not. On receipt of payment under Bank Guarantee must be clearly cancelled,

d. That we shall inform your office regarding termination of the validity of this Bank Guarantee one clear month before the actual expiry date of this Guarantee.
e. That with the consent of our customer you may amend/alter any term/clause of the contract or add/delete any term/clause to/from this contract without making any reference to us. We do not reserve any right to receive any such amendment/alternation or addition/deletion provided such like actions do not increase our monetary liability under this Bank Guarantee which shall be limited only to Rs (Rupees).
f. That the Bank Guarantee herein before given shall not be affected by any change in the constitution of the Bank or Customer/Seller or Vendor.
g. That this an unconditional Bank Guarantee, which shall be enchased on sight on presentation without any reference to our Customer/Seller or Vendor.
Guarantor
Dated: (Bank Seal and Signatures)

ANNEX 'C'

<u>AFFIDAVIT/UNDERTAKING</u> (WORTH RS, 100/- ON JUDICAL STAMP PAPER)

Mr	Authorized signatory/
Partner/MD of M/s	, do hereby solemnly affirm to DGP
	Directorate General Defence Purchase, Ministry of
Defence Production, Rawalpind	i that our firm M/shas
applied for registration with D	pirector General Defence Purchase (DGDP) duly
completed all the documents req	uired by registration section on (date) i,e
	tify that the above mentioned statement is correct. In
case it is detected on any stage	e that our firm has not applied for registration with
Director General Defence Purch	ase or statement given above is incorrect, our firm
will be liable for disciplinary action	on initiated (i,e debarring, the firm do business with
other Defence Establishment and	d Govt Agencies). I also accept that any disciplinary
action taken will not be challenge	ed in any Court of Law.
_	·
	Signature
Station:	Name:
Date:	Appointment in Firm

ATTESTED BY OATH COMMISSIONER WITH STAMP

INVITATION TO TENDER FORM

- 1. Schedule to Tender No.<u>2390424/R-2401/310286</u> dated <u>28-12-2024</u>. This tender will be closed for Acceptance at <u>1030</u> Hours and will be opened at <u>1100</u> Hours on. <u>31-12-2024</u> Please drop tender in the Tender Box No <u>201</u>.
- 2. You are requested to please use this Performa for price quotation, fill in the prices, affix your stamp on the same, sign it and forward it in original as your Commercial offer along with the covering letter of your firm. If you do not use this form as price quotations your offer might be rejected.
- 3. you are requested to please attach DP-1 and DP-3 alongwith your quotation duly signed & stamped. Same are available at www.ppra.org.pk.

S NO DETAIL OF STORES QTY UNIT TO PRICE PRI	I AL
TOOLO / TEGT FOUNDMENT FOR	ICE
1. TOOLS / TEST EQUIPMENT FOR	
INTEGRATION / INTERFACING LAB	
(a) ESD TEST BENCHES 06	
(b) DIGITAL STORAGE OSCILLOSCOPE 02	
(c) SPECTRUM ANALYZER 02	
(d) INDUSTRIAL LOGGING DIGITAL MULTI 04 METER	
(e) LOGIC ANZLYZER 01	
(f) DIGITAL DATA ANALYZER (TOOL SUITE) 01	
(g) HIGH VOLTAGE INSULATION TESTER 01	
(h) PROGRAMMABLE INPUT / OUTPUT & DATA ACQUISITION SYSTEM	
Note: All items are required as a package partially quotes will be Rejected.	
Detailed:	
Technical Specification Special	
Instructions: As per Annex A.	
General Terms & Conditions:	
As per Annex B.	
Above mentioned price includes 18% sale Tax (Please Yes No	
tick Yes or No)	
Grand Total	

Terms & Conditions

- 1. Terms of Payment. As per Annex B (Para -2).
- 2. Origin of OEM.
 Imported with OEM CoC (Certificate of Conformance) compatible to preferred makes Given in of Annex A. (Name & Country Of OEM to be clearly mentioned).

- 3. Origin of Stores. Imported (Actual country (place) of manufacturer to be indicated).
- Technical Scrutiny Report. Required
 Delivery Period. 06 Months
 Currency. Pak Rupees
- 7. Basis for acceptance. FOR Karachi Basis
- 8. <u>Bid validity.</u> The validity period of quotations must be indicated and should invariably be 120 days from the date of opening of Commercial / Financial Proposal or 30th June whichever is later. Firm undertakes to extend validity of offer if required by equal number of original bid period (i.e. 120 days as per original offer) i.a.w PPRA Rule-26.
- 9. <u>Tendering procedure</u> Single Stage- Two Envelope bidding procedure will be followed. PPRA Rule 36 refers.
- 10. <u>Earnest Money/Tender Bond</u>:- Your tender must be accompanied by a **Pay** Order/Demand draft/Call Deposit Receipt (CDR) in favor of CMA (DP) in separate envelope, Rawalpindi for the following amounts:-

<u>Submitting improper Earnest Money</u>. Earnest Money/Bid Security furnished with tender is strictly in conformity of tender/IT conditions (Clause 14 of DP-1 and clause 10 of DP-2) on the subject. We have no objection on confiscation of Earnest Money/Bid security and rejection of our offer in case amount of Earnest Money/Bid Security is improper/ insufficient in violation of IT condition.

- a. Rates for Contract. The rate of earnest money and its maximum ceil for different categories OF FIRMS would be as under:-
 - (i) Registered/Indexed/Pre-Qualified Firms. 2% of the quoted value subject to maximum ceiling of Rs. 0.500 Million.
 - (ii) Registered/Pre-Qualified but Un-indexed Firms. 3% of the quoted value subject to maximum ceiling of Rs. 0.750 Million.
 - (iii) <u>Unregistered/not Pre-Qualified/Un-indexed Firms</u>. 5% of the quoted value subject to maximum ceiling of Rs. 1.000 Million.

b. Return of Earnest Money

- (i) Earnest money to the unsuccessful bidders will be returned on finalization of the contract.
- (ii) Earnest money of the firm/firms with whom contract is concluded will be returned on submission of Bank Guarantee and its acceptance by CMA (DP).
- c. Copy of EM must be attached with Technical Offer as proof after hiding the amount with black Bold Market.

11. Special Note.

All Participating firms must submit technical offers in duplicate (one for TSR committee and one for DP (Navy) record).

- a. Unregistered (Not registered with Directorate General Defense Purchase) firms must provide the documentary evidence of their financia capability to undertake the project.
- b. Unregistered firms are to submit a certificate along with their Technical offer stating that the firm is not black listed by any government organization and not under disciplinary trial or embargo.
- c. Only registered suppliers on Active Taxpayers List (ATL) of FBR are eligible to participate in the Tender and submit quote.
- d. Release of payments is subject to mandatory submission of Filer Certificate duly issued by FBR showing the name of supplier on

ctiveTaxpayers List (ATL). No payment will be released by CMA (DP) unless latest Filer Certificate duly issued by FBR showing the name of supplier on its Active Taxpayers list is submitted alongwith payment documents.

- e. In case of Pakistani firms, sales tax, NTN and income tax registration certificates are to be attached with the offer. These certificates are mandatory with the BID, otherwise offer shall be REJECTED.
- f. Company registration certificates are to be attached with offer.
- g. Requisite amount of earnest money (in shape of CDR/Demand Draft/Pay Order in the favor of CMA (DP)) is to be attached in separate envelop in sealed condition with the Technical offer. Photocopy of the same shall also be attached with DP-2 as a testimony. Cheques/crossed cheques shall not be accepted. Technical offers received without earnest money shall not be accepted and will be rejected on spot.
- h. Duly completed Form DP-1 and DP-3 are to be attached with Technical Offer.
- j. DP-2 Form shall also be submitted with Technical Offer without mentioning of prices. Moreover, compliance or otherwise against each Para/requirement of Annex A & B duly signed & stamped by firm authorized rep is to provide for technical scrutiny.
- k. Price preference is admissible to local manufacturers over foreign vendors as per PPRA Rule 24 and Govt. of Pakistan (Ministry of Commerce) SRO 827 (I)/2001.
- I. The supplier shall undertake as per attached Annex C that any information about the sale/purchase of stores under this contract shall not be communicated to any person other than the manufacturer of the stores, or to any press or Agency not authorized by DP(N) to receive it. any breach of it shall be punishable under the official secrets act, 1923 in addition to termination of the contract at the risk of the supplier.

Note: <u>In case of failure to comply above instructions, Terms and</u> conditions, offer will liable for rejection.

Technical Specifications & Accessories - Electro Static Discharge (ESD) Test Bench

1. ESD Compliant Work Benches minimum specifications include:

S No	Specification	Details	
1	Recommended Make Model	Any (ESD Compliant)	
2.	Quantity Required	06 workbenches	
	ESD Standard	IEC 61340-5-1 compliance/ conformance will be required	
3.	General	Work benches must be ESD Compliant with Earthing/ Grounding arrangements to be supplied under the scope of work.	
5.	Detailed design requirements	Placed at Encl-1 to Appendix I	
6	Test Bench Grounding	Yes - to be provided as per standard compliance	
Follow	ng installation services an	e required:	
1.	Earthing Pit	Ground Pit installation near the building (located in Karachi)	
2	Wiring from earth pit to electrical distribution box	Distance from Pit to Lab expected to be 150ft	ru I
3.	Earthing of Workbenches in Lab	Distribution of earth/ ground from electrical Distribution Box to work benches (Lab area is approx. 17 ft x 22 ft)	

Bernstein	Eac Compliant VV	ork benches	are to be sup	plied with foil	owing auxilian	equipment:
S No	Specification	Total	Details			

S No	Specification	Total Quan tity	Details	
1,	High Performance PCs (Without GPU) -Equivalent or better specifications may be supplied - Compatibility of all parts to be ensured - 01 x year warranty will be required	03	Case: Lian Li LANCOOL 205 Black Tower Chassis Processor (CPU): Intel Core 19-13th Generation 24 cores, 5.8 GHz or better Motherboard: Gigabyte Z790 AERO G Creator Motherboard Intel LGA1700 PCle 5 - DDR5 Support - Rev 1.0 RAM 64GB DDR-5 or better Memory: 1 TB SSD or better Memory: 1 TB SSD or better Operating System: Licensed windows 10 or better Brochure/ Data sheet attached as Encl-2 to Appendix	
2.	Display Monitors/ HMI	03	24" Full HD Flat LED, Resolution FHD (1920 x 1080) or better.	(0)
3.	Mouse/ Keyboards	03	Make: Logi Tech, Model: MK220 (or equivalent) Connection Type Wireless	
4.	Laptops for field work - Equivalent or	02	Processor: Intel 13th Gen	

	better	T	Core i5 13420H or better		, ,
	specifications may be supplied - 01 x year warranty will be required		RAM: 16 GB DDR-5 or better Memory: 512 GB SSD or better, Screen Size 40.9 cm (16.1") diagonal, FHD (1920 x 1080) or better	4	
			Operating System: Licensed windows 10 or better Brochure/ Data sheet attached as Enci-3 to Appendix		
5.	LaserJet Printer	02	Make: HP, Model: LaserJet Pro M404N (or equivalent). Brochure/ Data sheet attached as Encl-4 to Appendix		
6.	Universal Device Programmer	01	Make: BPM, Model: 1710. Brochurer Data sheet attached as Ench-5.		
7.	VI Comparator	01	Make: GSAS, Model: FADOS9F1 (or equivalent). Brochure/ Data sheet attached as Encl-6 to Appendix I.		(
8.	Variable AC Supply	01	VEVOR 500VA Variable Transformer 110V 50Hz (or equivalent). Brochure/ Data sheet attached as Encl-7 to Appendix I.		
9.	Triple Output DC Power Supply	03	R&S HM-7042-5 (or equivalent). Brochure/ Data sheet attached as Enci-8 to Appendix I.		
10.	Variable voltage 400 Hz AC Power Supply	01	Input 220 V AC 50/60Hz Output Frequency range: (variable 50 to 400 Hz preferable, or fixed 400 Hz) Output Voltage: (AC Variable 30 V to 120 V) Power: Minimum 1kVA Make/ Model: Any (Brochure/ Data sheet of reference product attached as Enci-9 to Appendix I).		
11.	UPS for PCs	03	1 K Watt (8-15 Min Backup) Make/ Model: Any		
Esse	ntial accessories, servi	Calculation Street Contract Con-	software required:		
12.	Essential modules, pov equipment must be inc		ly & cables for auxiliary		
3.	Ground Pit installatio	n near t	he building (located in Karachi)		
4.	(Distance: 150ft approx	c.)	al distribution box in the Lab		
			m electrical Distribution Box to	12/10/2004	

ENCL-1 TO APPENDIX I

ESD Compliant Work Benches

S No	Specification	Details		
1,	General	Each Work bench should be capable of accommodating 01 x User. Work benches must be ESD Compliant with Farthing arrangements		
2	Top Surface area	Width(1.6to1.8m) Depth(0.8to0.9m)		
3.	Work bench frame height			
4.	Bench frame max load kg	500Kg		1
5.	Bench Top Material	Semi-conductive(ESD)		
6.	Colour/Theme	Light Grey		
7.	Back Panels	Adjustable & perforated (with upright vertical profiles & horizontal tubes)		
8.	Shelf	01 per unit for entire horizontal length (for 50kg Load)		
9.	Cabling	Hidden/ Secured with cable covers		
10.	Sliding Door Cabinet	Yes at appropriate place (01 x with each work bench)		
11.	Light	Light rail with white light on Topas shown in picture Illuminance 800-31001 x ±10%(1meter)		
12.	Power Rails/Socket	02 x Power rail sper Unit with 03xSocketseach		
3.	LCD Monitors wive farm	-01 for each unit -Should be Adjustable		
4.	Component Bins	PlasticESD08(2x4arrangement) per unit		
5.	CPU Holder	Otperunitundertheframe or fitted to upright tubes. Must be Adjustable to account for different CPU Sizes		
6.	Footrest	-01perUnit -W x Dmm (550x350) -Height (adjustable 90-280 mm) -Tilting(Adjustable 5- 30")		
7.	Printer Platform	01 with each work bench as shown	1	MON.
8.	Key board Tray	Under the bench top with each Unit	(3)	122
	Earthing box (with cables)	-01 per unit -Resistance1Mohm	(8)	1
0.	Wrist straps	-Adjustable -02perunit -Resistance1Mohm		

21_	ESD bench top mats	-01perunit		
		-Resistant to heat & solder flux -Compliant with EN61340-5-1standards -Abraded non slip underside -Does not contain PVC -Colour : grey Resistance surface to ground: 7.5x105-107ohm.		
22.	Chairs	01 x per work bench As shown (Conceptual Reference)		
23.	Drawer Units	Of with each work bench Wheel movable O4x drawers per drawer unit as shown Load capacity150kg.4swivelcastors (ø100mm), 2 with brakes. Height800mm Rubber mats for the drawer bottom		

ENCL-2 TO APPENDIX I

High Performance PCs (Without GPU)

S No	Item	Description	
11.	Casing	Lain Li LANCOOL 205 Black Tower	
2	Processor Specifications	13 th Gen Intel core i9-13900ks Processor upto 6.0GHz	
3.	Motherboard Specifications	Gigabyte Z790 AERO G Creator Motherboard intel LGA1700 PCIe 5-DDR5 Support	
4.	RAM	XPG LANCER RGB DDR5 64 GB Desktop Memory (2x32GB) 6000 MHz DRAM AX5U6000C3032G-DCLARBK	

ENCL-3 TO APPENDIX I

Laptop for Field Work

Brand	HP	1/1
Generation	13thGeneration	
Processor Type	13thGenCorel513420HRaptorLakeProcess or (12MBintelSmartCache)	
Processor Speed	2.1GHzBoostupto4.6GHz(TotalCores8,#ofP erformance-cores 4, #ofEfficient-cores4,TotalThreads12)	
Installed RAM	16GB	
Type of memory	16 GBDDR5-5200 MHzRAM(2x8 GB)	100
Hard drive size	512GBPCle®Gen4NVMe™TLCM.2SSD	10-
SSD	512GBSSD	14
Type of hard drive	512GB PCle8Gen4NVMe™TLC M.2SSD	3.4
Dedicated graphics	Yes	

Graphics Memory	NVIDIABGeForceRTX***4050LaptopGPU(6 GB GDDR6 dedicated)	
Type of graphics memory	Discrete	
Graphics processor	Intel®integratedSoC	
Backlight	LED	
Screen size	40.9cm (16.1") diagonal, FHD(1920x1080),144Hz,IPS,micro- edge, anti-glare,250nits,45%NTSC	
Screen surface	40.9cm (16.1") diagonal, FHD(1920x1080),144Hz,IPS,micro- edge, anti-glare,250nits,45%NTSC	
Screen resolution	1920x1080	
Backlit keyboard	Full-size, 1- zoneWhitebacklit, shadowblackkeyboard	
Condition	New	
USB	1 USB-Type-A 5Gbps signaling rate (HP Sleep and Charge) 1 USBType-C®5Gbpssignalingrate (USB Power Delivery, Display Port™ 1.4,HPSleepandCharge)2USBType-A5Gbps signalin grate	
HDMI	1HDMI2.1	
Camera	HP True Vision FHD camera	
Operating System (Primary)	GenuineWindows11Home	
Warranty	Local/International	
A STATE OF THE PARTY OF THE PAR		

ENCL-4 TO APPENDIX I

LaserJet Printer

S NO	ITEM	DESCRPTION	
1	Model	HP Laser Jet Pro M404dn(W1A53A)	
2	Print resolution	: HP FastRes1200, Hp ProRes1200, Economode	
3	Print speed.	Up to 38 ppm	
4	Connectivity:	1 Hi Speed USB 2.0.1 host USB at rear side; Gigabit Ethernet 10/100/1000 Base- T network	



ENCL-5 TO APPENDIX I

Universal Device Programmer

SNO	ITEM	DESCRPTION	
1	Model	BPM Micro systems 1710 or equivalent	
2	Power	90-250VAC 47-63Hz,12KVA, IEC intel Connector for worldwide use	
3	Dimension	11.75"(296mm)x8.65"(220mm)x4.68(119mm)	
4	Weight	7.22 lbs, 13.28 kg	
5	Software	BP Win	
6	File type	Including, but not limited to binary Intel, JEDEC, Motorola, POF, ran, Straight hex, Tekhex, Extended Tekhex, ASCII hex, Formatted Binary (DIO), AFM, OMF, LOF, STAPL	
7	Device Command	Blank, checksum, compare, program test, verify, erase, secure	
8	Features	Job Master data editor, revision history session logging, device and algorithm information	
9	Hardware	Calibration annual, may be verified on-site with optional socket module	
10	Pin Drivers	240 -pins standard	
	- Into Francisco	Analog slew rate .3 to 25v/ps	
		VPP RANGE 0.25V in 25mv steps	
		IPP RANGE 0.70mA continuous 250mApeak	
		VCC RANGE 0.12v	
		VERY LOW VOLTAGE to 1.5 v(vdd)	
		RISE TIME 800ps	
		OVER SHOOT none	
		CLOCKS continuous variable 1MHz to 30 MHz	
		INDEPENDENCE pin drivers and waveform generators are fully independent and concurrent	



COMPARATORFADO

Features

- Dual thennel fault detection by V-I tester identify faults by directly comparing the voltage-current characteristics of a functional circuit board and a faulty one, all without powering the circuit board.
- Fault Detection by Comparison with Stored Signatures
 Signatures of a functioning board can be saved and used at a later time as a reference for troubleshooting a faulty brand.
- 3. Equivalent Circuit Diagram ****
 Display of an equivalent circuit that corresponds to the characteristic of the probe point.
- 4. Display Values of Besistor, Capacitor and Diode***
 Display the measured values of resistance, capacitors and clode threshold voltages corresponding at the contacted node. Can also be used for components identification fout of the circuit.
- Dual-Channel Digital Basic PC Oscilloscope if the situation calls for, the device can be used as basic oscilloscope.
- 8. 0.2 to 25kHz Square Wave Generator Channel 2 is used as a square wave generator. Channel 1 can be used as an oscilloscope.
- Analog Voltage Output
 Channel 2 is used as Analog DC output. Channel 1 can be used as an oscilloscope.
- Wartable DC Power Supply for Creating V-I Graph****
 The output voltage is adjustable from 0V to 16V with an output current 0mA to 1500 mA, to feed the power to dircuit board and observe the graph of DC Voltage-Current.
- Non Touched IR Temperature Sensor****
 To detect above room temperature to 120°C and draw a temperature map of the circuit board at location of IR probe.

ENCL-7 TO APPENDIX I

Variable AC Power Supply

S NO	ITEM	DESCRPTION	
1	Model	VEVOR 500 VA, 110V AC	
2	Rate output Capacity	0.5 KVA	
3	Phase No	1	
4	Output Voltage	0 -130 V (Adjustable)	
5	Rate Output Current	5A	
6	Temperature Rise	<60° C	
7	Dielectric Strength	1500 V/min	
8	Frequency	>90%	
8 9	Insulation Resistance	> 5M ohm	



Triple Output DC Power Supply

Model: R&S@HM7042-5 TRIPLE POWER SUPPLY

Key specifications			
Total power output	155.5 W		
Number of outputs	3		
Voltage output CH1, CH3	0 V to 32 V		
Voltage output CH2	0 V to 5.5 V		
Current output CH1, CH3	0 A to 2 A		
Current output CH2	0 A to 5 A		
Display resolution CH1, CH3	10 mV/1 mA		
Display resolution CH2	10 mV/10 mA		

Key features

High-performance, inexpensive laboratory power supply	
Floating, overload and short-circuit proof outputs	
Separate voltage and current displays for each output	
Protection of sensitive loads by current limit or electronic fuse	
Pushbutton to activate/ deactivate all outputs	
Low residual ripple, high output power, excellent regulation	
Parallel operation for higher current and serial operation for higher voltageTemperature-controlled fan	

ENCL-9 TO APPENDIX I

Variable Voltage AC Power Supply (400HZ)

DESCRIPTION

Place of Origins	Guangdong, China or equivalent	
Brand Name	XINOUHUA or equivalent	
Model Number	PA62001A or equivalent	
Output type	Single	
Output Frequency	50-400 Hz	
Output Current	8.4/ 4.2 A	
Color	Others	
Size	430*570*240	
Protection	Short circuit protection	
Warranty	12 Months	
Certificate	CE/ROHS	
Operating Humidity	10-90%	
Working temperature	0.45 C	
Load Regulation	≤0.5%	
Frequency stabilization rate	≤0.01%	
Application	Laboratory	
Product Name	AC Power supply	



Technical Specifications & Accessories - Digital Storage Oscilloscope

Minimum specifications include:

S No	Specification	Details
1,	Recommended Make/ Model	Make: RIGOL, Model: MSO-5354 (or equivalent) Brochure/ Data sheet attached as Encl-1 to Appendix II.
2.	Mandatory accessories with each MSO	O1 x MSO5000-BND (Application Bundle including all the serial protocol analysis software, Power Analysis, and Wave form Generator options) O1 x PLA2216 (16 Channel Digital Logic Probe for the MSO5000) O1 x Carry Case O1 x PVP2350 (350 MHz Passive Probe with 1 x 10x selector. Wide bandwidth in 1x mode up to 35 MHz.)
3.	Quantity	02(MSO with a set of accessories each)
4.	Band Width	350 MHz
5.	Channel	4 Channels Analog, 16 Digital
6.	Sample Rate	8GSa/s
7.	Max. Memory Depth	200Mpts
8.	Waveform Capture Rate	1,500,000wfms/s (Ultra Acquire Mode)

- Essential accessories required (standard supplied with each MSO):

 a. AC Power Cable
 b. Test Probes
 c. User Manual/ CD . 2

Digital Storage Oscilloscope

Overview - Digital Oscilloscope MSO5354

wfms	Hz BW, 4 Channel+ 16 /s, touch display 1024x6 PLA2216	digital Channel, 8GSa/s, up to 200 Mpts,500.000 00 pixel, MSO Upgradable with purchase of logic		
MSO:	5000 option bundle inclu 5000-AUTO, MSO5000- 5000-PWR, MSO5000-A	ding: MSO5000-COMP, MSO5000-EMBD, FLEX, MSO5000-AUDIO, MSO5000-AERO, WG.		
	Analog bandwidth: 35	MHz		
•	4 analog channels, st	andard 16 digital channels(LA probe required)		
٠	Up to 8 GSa/s real-tim	e sample rate		_
	Up to 200 Mpts memo	ry depth (option)		
*	High waveform capture	rate (over 500,000 wfm/s)		
•	Auto measurement of measurement function	41 waveform parameters; full-memory hardware	67	P
	A variety of serial proto	ocol triggers and decodes	13/10	1
•		of hardware real-time and ceaseless waveforms	0	1

*	Independent search, navigation keys, and event table	100
	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	
	Built-in advanced power analysis software (option)	
٠		
	Integrates 7 independent instruments into 1, including a digital oscilloscope, a logic analyzer, a spectrum analyzer, an arbitrary waveform generator, a digital voltmeter, a frequency counter and totalizer, and a protocol analyzer	
٠		
•	9-inch capacitive multi-touch screen, 256-level intensity grading display, with color persistence	
	ACMINI PORCHE MANCHES CONTRACTOR	
•	Multiple interfaces available: USB HOST&DEVICE, LAN(LXI), HDMI, TRIG OUT, and USB-GPIB	7
	Web Control remote command	



Appendix - III to Annex 'A' to NHQs Indent No 2390424 Dated: 28 Dec 23

Technical Specifications & Accessories – Spectrum Analyzer Minimum specifications include:

S No	Specification	Details
1.	Recommended Make/ Model	Marke: UNI-T, Model: 3030D (or equivalent) Brochure/ Data sheet attached as EncI-1 to Appendix III.
2.	Quantity	02
3.	Range	Upto 3,0 GHz
4.	Resolution	1 Hz
5.	DC Gain Accuracy	±3%

Essential accessories required: AC Power Cable a. Connection Probes b. User Manual / CD 2.

	Spectrum Analyzer	
Specifications		
Model	UT3030 or equivalent	
Range	9 kHz-3GHz	
Resolution	1Hz	
Resolution Bandwidth (RBV	V)	
Range (<10Hz as an option)	1Hz-500kHz, 1 MHz, 3 MHz	
Phase Noise (fc=500Mhz)		
Range	-90dBc/Hz	
Resolution	-100dBc/Hz	
Accuracy	-115dBc/Hz	
Amplitude		
Max input level	Average continuous power: +27dBm	
Max DC input voltage	50Vdc	
Attenuator input range	0~39dBm, 3dB step	
1 dB compression	+7dBm	
Tracking Source		
Frequency range		
Input/Output		
RF input	N type, female (50Ω)	
Interfaces	USB host, USB device, LAN	
AM/FM demodulation	A headset jack available	
Reference input/output	10MHz, BNC female, input: 0dBm~+10dBm: output: 0dBm± 2dB)	
External trigger input	BNC female, 5V TTL level(± 10V, Max 100mA)	
Internal data storage	128MB	
General Characteristics		
Power	100~240V AC, 50/60Hz: Max consumption: 30 W	
Display	8.4-inch TFT LCD, SVGA (800 x 800)	
Product Color	White and grey	
Product net weight	6.5kg	
Product size	390mm x 182mm x 230mm	
Standard accessories	N/SMA convertor, N/BNC convertor, antenna, RF cable, power cord	
Standard individual packing	Carton box, English manual	(SHO
Standard quantity per carton	1pcs	600
Standard carton measurement	480mm x 380mm x 285mm	
Standard carton gross weight	9.3kg	
Optional accessory	USB-GPIB	

Technical Specifications & Accessories - Industrial Logging Digital Multimeter

Minimum specifications include:

S No	Specification	Details
1.	Recommended Make/ Model	Make: FLUKE, Model: 289 Brochure/ Data sheet attached as Enci-1 to Appendix IV.
2	Quantity	04

- 2 Essential accessories required:
 - Batteries (spares to cover 2 years operation) Connection Probes a.
 - b.
 - User Manual C.
 - Software d.

Industrial Logging Digital Multi Meter

Model: Fluke 289

Function	RangeandResolution	BasicAccuracy	
DC voits AC voits	50.000mV,500.00mV,5.0000V,50.000V, 500.00V,1000.0V	0.025% 0.4%(true - rms)	
DCcurre ntAC current	500.00µA,5000.0µA,50.000mA,400.00mA, 5.0000A,10.000A	0.15% 0.7%(true - rms)	
Temperature (excludingprob e)	-200.0°Cto1350.0°C(-328.0°Fto2462.0°F)	1.0%	
Resistance	50.000 0,500.00 0,5.0000 kg,50.000 kg, 500.00kg,5.0000Mg,50.00Mg,500.0Mg	0.05%	
Capacitance	1.000nF,10.00nF100.0nF,1.000µF,10.00µF, 100.0µF,1000µF,10.00mF,100mF	1.0%	
Frequency	99.999Hz,999.99Hz,9 9999kHz,99.999kHz, 999.99kHz	.005%	

Additional Features	Fluke289	
Multipleonscreendisplays	Yes	
True-rmsac band width	100kHz	
dBV/dBm	Yes	
DCmVresolution	1µV	
Megohmrange	upto500M□	
Conductance	50.00nS	
Continuitybeeper	Yes	
Battery/fuseaccess	Battery/fuse	
Elapsetimeclock	Yes	
Timeofdayclock	Yes	
Min-max-avg	Yes	
Dutycycle	Yes	
Pulsewidth	Yes	
solatedopticalinterface	Yes	100
Auto/touchhold	Yes	181
Readingmemory	Yes	1
LogtoPC	Yes	- 600
Batterytype:	6AAalkalinebatteries,NEDA15AIECLR6	1
Batterylife	100hoursminimum,200 hoursinloggingmode	
The Part of the Pa	The state of the s	

Appendix – V to Annex 'A' to NHQs Indent No 2390424 Dated: 28 Dec 23

Technical Specifications & Accessories - Logic Analyzer

Minimum specifications include:

S No	Specification	Details
1,	Recommended Make/ Model	Make: Saleae, Model: Logic Pro 16(or equivalent) Brochure/ Data sheet attached as Encl-1 to Appendix V.
2	Quantity	01
-1.7	Essential access	sories and software required:
	b. U	ower Cable with adapter Iser's manual / CD C Communication cable ConnectionProbes/ break out board

Logic Analyzer - Saleae Logic PRO 16

Overview

The Saleae Logic Pro 16 USB Logic Analyzer is a 16 channel logic analyzer with each input dual purposed for analog data recording. The device connects to a PC over USB and uses the Saleae Logic Software to record and view digital and analog signals.

FEATURES		_	_
Powerful, Easy-to-use Softw	are	_	-
Deep Sample Buffers		-	-
Highly Portable, USB Attach	ed		-
24 Included Protocol Analyza	ers		
Automation API Custom Pro		_	-
Edge and Pulse Width Trigg	ering		-
Protocol Result Filter and Se			
Measurements, Bookmarks	and Timing Markers		
Four Data Export Formats: 0	SV, Binary, VCD and MATLAB		
Cross Platform Windows, Lin	nux, and OSX		
APPLICATIONS			
Firmware Debugging			
FPGA Debugging			
Functional Verification			-
Performance Profiling		_	-
Reverse Engineering		_	-
Protocol Decoding			
Data Logging		-	-
KEY SPECIFICATIONS			-
Sixteen Digital Channels			-
500 MSPS Digital Sampling	(max)		-
100 MHz Max Digital Band	width	_	-
Sixteen Analog Channels		1	STILL
50 MSPS Analog Sampling	(max)	1	1
5 MHz Analog Bandwidth		12/	-
Recording Length Limited I	y Available RAM and Density of Recorded Data	131	7 5
RGB LED, Customizable 2	4 bit Color	1000	1
USB 3.0 Super Speed	Name and the same	1	N.

Appendix - VI to Annex 'A' to NHQs Indent No 2390424 Dated: 28 Dec 23

Technical Specifications & Accessories - Digital Data Analyzer (Tool Suite)

1. Minimum specifications include:

S No	Specification	Quan	Details	
1.	JTAG/ SWD ARM Microcontroller Debugger		Make/ Model: Black Magic Probe V2.3 Brochure/ Data sheet attached as Encl-1 to Appendix VI.	
2.	Bus Blaster for MIPS kit Open OCDS		Make/ Model: Bus Blaster V4 Brochure/ Data sheet attached as Enci-2 to Appendix VI.	
3.	J trace cortex- A/R/M	1	Make: Segger, Model: J-Trace Pro Cortex (8.2). Brochure/ Data sheet attached as Enci-3 to Appendix VI.	
4.	Bus Pirate v3.6a	1	Make/ Model: Bus Pirate V3.6a Brochure/ Data sheet attached as Encl-4 to Appendix VI.	
5.	Hardware Debugger JTA Gulator	1	Make/ Model: Parallax JTA Gulator 32115 Brochure/ Data sheet attached as Encl-5 to Appendix VI.	
6.	PCB Probe Kit	2	PC Bite kit with 4x SP10 probes & test wires (or equivalent) Brochure/ Data sheet attached as Encl-6 to Appendix VI.	
Ess	a. JTAG, s b. Connect c. Multi Pin d. Serial/ U e. Breakou	erial cab ion Prob adapter ISB conv	rare required: les es Kit	

ENCL-1 TO APPENDIX VI

JTAG/ SWD ARM Microcontroller Debugger

The Black Magic Probe is a modern, in-application debugging tool for embedded microprocessors. It allows you see what is going on 'inside' an application running on an embedded microprocessor while it executes. It is able to control and examine the state of the target microprocessor using a JTAG or Serial Wire Debugging (SWD) port and on-chip debug logic provided by the microprocessor. The probe connects to a host computer using a standard USB interface. The user is able to control exactly what happens using the GNU source level debugging software, GDB.

able to control executy while happens being the City source level decogging source	a, our
STM32 F0	
Atmel SAMD20/21	
Nordic nRF51	
NXP LPC8xx, LPC11xx, LPC15xx, LPC43xx	
TI LM3S, TM4C	
Free scale KL25, KL27, KL02	
Xiinx Zyng-7000	
Broadcom BCM2836 (Raspberry Pi 2)	
SiLabs EFM32 and EZR32	
Comes with 1 x Black Magic Probe, a 0.05" pitch SWD/JTAG ribbon cable & a 0.1" pin header serial cable	



ENCL-2 TO APPENDIX VI

Bus Blaster V4 for MIPS KIT

The Bus Blaster is used to program and debug devices with a JTAG interface like ARM processors, CPLDs, flash memory, and more. A FT2232H USB chip gives us two high-speed JTAG interfaces. The 16 pins of the primary interface are connected to a Cool Runner-II CPLD. The CPLD is a programmable buffer that translates between the FT2232H at 3.3volts, and a 1.5volt to 3.3volt target. Based on FT2232H with high-speed USB 2.0.

Buffered interface works with 3.3volt to 1.5volt targets	
Reprogrammable buffer is compatible with multiple debugger types	
Compatible with 'jtagkey', 'KT-link' programmer settings in Open OCD, ur JTAG & more	
Should support Serial Wire Debug when available	
Mini-CPLD development board: self programmable, extra CPLD pins to header	

ENCL-3 TO APPENDIX VI

J TRACE CORTEX-A/R/M (SEGGER 8.20 J-TRACE PRO)

SEGGER's J-Trace PRO can capture complete traces over long periods — thereby enabling the recording of infrequent, hard-to-reproduce bugs. This is particularly helpful when the program flow 'runs off the rails' & stops in a fault state. It also supports extended trace features, such as Live Code Coverage (so engineers have visibility over which parts of the application code have been executed) & Live Code Profiling (providing visibility as to which instructions have been executed and how often, so hotspots can be addressed and optimization opportunities identified). The J-Trace PRO Cortex-A/R/M provides support for Cortex-A/R/M-based microcontrollers. The Super Speed USB 3.0 interface of J-Trace PRO enables continuous streaming trace via USB with the full trace clock. Streaming in real time allows for data capture over long periods of time because there is no limit set on the amount of trace data. This gives you all the insight you need to develop and optimize your code.

Streaming trace probe with Super Speed USB3.0 Interface and Gigabit Ethernet	
Download speed up to 4 MB/s	
Unlimited breakpoints in flash memory (Flash Breakpoints)	
Use with Ozone and J-Flash	
Real-time streaming at full System Clock	
Fine-tune applications with Live Code Profiling	
Instruction-level code coverage to satisfy regulatory requirements	
Unlimited trace to isolate & identify hidden code defects	
Supports Cortex-A/R/M targets	
Full J-Link debug functionality	

Key features

Specification	Value	
Supported OS	Microsoft Windows / Linux / macOS	6353
Electromagnetic Compatibility	EN 55022, EN 55024	10
Operating Temperature	55 C ~ + 60 C	
Ethernet Interface	Gigabit	1300
USB Interface	3.0	N. 105
Max. trace clock frequency	150 MHz	
Power supply	USB-powered (max. 400mA)	

Bus Pirate V3.6A

It is a universal bus interface that communicates to electronics. Eliminates a ton of early prototyping effort with new or unknown of	hine This hoard provides 1-
Wire, I2C, SPI, JTAG, asynchronous serial (UART), MIDI, PC k	evboard HD44780 LCDs &
generic 2 & 3-wire libraries for custom protocols.	ayasasa, mannas anna a
USB interface, USB powered	
GOD Eligitade, GOD powerso	
5-volt tolerant pins-0-5volt measurement probe	
1Hz-40MHz frequency measurement	
1kHz-4MHz pulse-width modulator, frequency generator	
On-board multi-voltage pull-up resistors	
On-board 3.3volt and 5volt power supply with software reset	
Macros for common operations	
Bus traffic sniffers (SPI, I2C)	
Transparent USB to serial bridge mode	
10Hz-1MHz low-speed logic analyzer	
Custom support in AVRDUDE, Flashrom, Open OCD	
AVR STK500 v2 programmer clone	
Scriptable from Perl, Python, etc.	
A boot loader for easy U\$B firmware updates	
Uses DP6037 standard PCB tayout	
Open source (CC 0/Public Domain)	

ENCL-5 TO APPENDIX VI

Hardware Debugger - JTA Gulator # 32115

Overview:

Designed by <u>Grand Idea Studio</u>, JTA Gulator is an open-source hardware hacking tool that assists in identifying OCD connections from test points, visa, or component pads on a target device. On-chip debug (OCD) interfaces can provide chip-level control of a target device and are a primary vector used by engineers, researchers, and hackers to extract program code or data, modify memory contents, or affect device operation on-the-fly. Depending on the complexity of the target device, manually locating available OCD connections can be a difficult and time consuming task, sometimes requiring physical destruction or modification of the device.

Detection of JTAG/IEEE 1149.1, ARM SWD, and UART/asynchronous serial	
Direct connection to sigrok & Open OCD	
24 channels with input protection circuitry	
Adjustable target I/O voltage for level translation: 1.4V to 3.3V	
USB interface (FTDI FT232) for menu-based control from host computer (Windows, macOS, Linux)	



ENCL-4 TO APPENDIX VI

Bus Pirate V3.6A

It is a universal bus interface that communicates to electronics	
Eliminates a ton of early prototyping effort with new or unknown of Wire, I2C, SPI, JTAG, asynchronous serial (UART), MIDI, PC ke	ups. This board provides 1-
generic 2 & 3-wire libraries for custom protocols.	youard, HD44700 LGDS &
USB interface, USB powered	
5-volt tolerant pins-0-6volt measurement probe	
1Hz-40MHz frequency measurement	
1kHz-4MHz pulse-width modulator, frequency generator	
On-board multi-voltage pull-up resistors	
On-board 3.3volt and 5volt power supply with software reset	
Macros for common operations	
Bus traffic sniffers (SPI, I2C)	
Transparent USB to serial bridge mode	
10Hz-1MHz low-speed logic analyzer	
Custom support in AVRDUDE, Flashrom, Open OCD	
AVR STK500 v2 programmer clone	
Scriptable from Perl, Python, etc.	
A boot loader for easy USB firmware updates	
Uses DP6037 standard PCB layout	
Open source (CC 0/Public Domain)	

ENCL-5 TO APPENDIX VI

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Detection of JTAG/IEEE 1149.1, ARM SWD, and UART/asynchronous serial	
Direct connection to sigrok & Open OCD	
24 channels with input protection circuitry	
Adjustable target I/O voltage for level translation: 1.4V to 3.3V	
USB interface (FTDI FT232) for menu-based control from host computer (Windows, macOS, Linux)	



Annex 'A' to NHQs

Technical Specifications & Accessories - High Voltage Insulation Tester

Minimum specifications include:

S No	Specification	Details		
1,	Recommended Make/ Model	Make: KYORITSU, Model: KEW 3128 (or equivalent) Brochure/ Data sheet attached as Encl-1 to Appendix-VII/	+	
2.	Quantity	01		-
3.	Rated Voltage	Up to 12000V (selectable)		
4.	Accuracy	At least + 2% of reading		-
5.	Battery	Built-in rechargeable b		
6.	Internal memory	Store upto 43,000 data (max)		
7.	User Interface	Digital		

Essential accessories and software required: 2

> Connection Probes/ Test Probles/ Power Cord & communication cables to be provided.

Calibration Certificate to be provided Calibration Method to be provided User Manual / CD b.

C.

d.



Encl-1 To Appendix-VII

IGH Voltage Insulation Tester

eKFW 3128 Specification

meutation resistances	The second second			Part of the last o	T comment	12000V
Femal voltage	600V	1000V	2500V	5000V	10000V	100000
Most measurement water	500GO	170	2.570	STO	3670	
	0-50G/1 a5%rdgs3dgt *Accuracy is not guaranteed with sat- ting of 250V or less	0-10000 a5%ntgalktgt	0-260GIO x5/Mrdgx3dgt	0~500GC ±676rdgs3dgt		
Acountry	50G-500GC ±20%rdg "Accuracy is not guaranteed with est- ting of 250V or less	1000-170 s20%-dg	250G-2:5TD s20%rdg	500G-670 ±20%rdg	620 10T- Values are	notica Notica 95100 o deployed, an't guaranteed
Short drauk oument			Mex I	i.OmA		
Load resistor to output rated voltage	0.5MC or more	1MCI or more	2.5MO or more	SMC) or more	20MC) or more	24MC) or more
Output voltage	The same of the sa					
Flated votage	500V	1000V	2500V	6000V	10000V	12000V
Monitor accuracy	±10%±20V	±10%±20V	#10%±20V	±10%±20V	±10%±20V	±10%±20V
CLAIR SCOUPERY	0-+20%	0-+10%	0-+10%	0-+10%	6-+5%	-5-+5%
Selectable range	50-600V (in etaps of 6V)	610~1200V (in steps of 10V)	1225-3000V (n steps of 25V)	3060-6000V (in stops of 50V)	6100-10000V (in shape of 100V)	10100-12000V (in steps of 100V
Shape measurement	The second second	The State of the S	MARKET STREET			
Measuring range			DCV: ±30-±600V, AC	Andrew Control of the	7	
Acouracy			12%40	gs3dgt	-	Design to the last
Current measurement	10/	THE REAL PROPERTY.			The state of the s	
Measuring range		5.0rv	A-2.40mA Depending	on the insulation rees	turcel	THE RESERVE THE
Separation measurement	Name of Street	-	-		5.0rF-1.0yF (deploy	more \$ 005 - 60 O
Measuring range		1.0rF	60.0F		DOMESTICK STREET	THE SEC. DESCRIPTIONS
Acountry			15940	gelidg		
Deneral Witherend voltage		ACST70V: between the terminal and anciosure / Sec; (50/501-b) ACSS50V: between the measuring terminal and anciosure / Sec; (50/501-b) ACSS50V: between the power commetter and anciosure / Sec; (50/501-b)				
Operating temperature & hunkfity range	-10°C-50°C / Relative humidity 65% or less father operating with an external power supply, no condensations (1°C-40°C / Relative humidity 85% or less taken operating with battery, no condensations)					
Street lemperature & humsday range	-20°C-60°C / Relative humidity 75% or less (no condensedor) EC 81010-1 CATIV 800V Pollution degree 2, EC 61010-031, EC 61326, EC 60529(P64): with the kit closed.					
Accideble standards	EC 81010	1 CAT.N 600N Police	on degree 2, EC 6101	DOST, ED BTSM, E	Brown water (1000 - 0	40V 50V80HVI
Power scurce	Rechargeable Level storage bettery (124/Charging time: approx. 8 hours / AC Power supply (100V-240V, 50/60/tz) "Continuous measuring time: approx. 4 hours a load of 100MO at the Insulation resistance 12000V Range.					
Dimension	3006.] x 410(W) x 180(D)mm *Instrument and Hard case					
Vengte	72265 ine probet, 72	Sig approx. (including battery) "instrument and Hard cease 7226(Line probe), 7227(Line probe with aligntor clos), 7224(Earth cond., 7225(Guard cond., 7170(Main cond., 6025(Entereon prod) 8212-USB-WIUSB adaptor with KEW Windows(Software), Instruction menual, Calibration Certificate				
Accessories	8212	USB-WUSB edeptor	with KEW Windowski	othered, hetruction of	nenual, Castreton Cer	Table 1



Appendix - VIII to Annex 'A' to NHQs Indent No 2390424 Dated: 28 Dec 23

Technical Specifications & Accessories - Programmable IO & Data Acquisition

Minimum specifications include:

		NO PROPERTY OF THE PROPERTY OF	
S No	Specification	Details	
Required Make/ Model		Make: National Instruments Model: cRIO-9047 Note: Equivalent/ cost effective options (replacing full system or any individual module (s)) will be acceptable only if:	
		 full range of Digital/ Analog Input/ Output functionality is provided as per recommended configuration/ module functionality 	
		- Controller is FPGA based for real-time operation	
		- The system is compatible with Lab view software	
2,	Configuration (Controller & Modules)	Required configuration is appended below	

Integrated (Controller and Chassis	The second secon		
Part Number	Model	Description	Quantity	
785621-01	NI cRIO-9047	cRIO-9047, 1.6 GHz Quad-Core, 70T FPGA, RT, 8-Slot, XT	1	
		Modules		
782580-01	NI 9381	NI 9381, 0-5V, 8-Ch Al, 8-Ch AO, 4- Ch LVTTL DIO, C Series Module	1	
781503-01	NI 9923 Front-mount D-SUB to screw terminals	NI 9923 Front-mount terminal block for 37-pin D-Sub Modules	1	
783730-01	NI 9201 with Spring Terminals	NI 9201 Spring Term, +/-10 V, 12-Bit, 500 kS/s, 8-Ch Al Module	1	
783787-01	NI 9981 Strain relief, operator protection (qty 1)	NI 9981, Strain Relief and Operator Protection (qty 1)	1	
783731-01	NI 9203 with Spring Terminals	NI 9203 Spring Term, +/-20 mA, 16- Bit, 200 kS/s, 8-Ch Al Module	1	
783787-01	NI 9981 Strain relief, operator protection (qty 1)	NI 9981, Strain Relief and Operator Protection (qty 1)	1	
785190-01	NI 9264	NI 9264 Spring, 16-Ch voltage,+/-10V, 16-bit, 25kS/s/ch AO module	1	
785080-01	NI 9940 Extra Strain relief, operator protection (qty 1)	NI 9940 Back shell for 36-pos Spring Terminal Connector (qty 1)	1	
785046-01	NI 9266 with Screw Terminals	NI 9266 Screw Terminal, 8 ch,0 to 20mA,16-bit, 24 kS/s/ch AO C Series module	1	
784819-01	NI 9928 Extra Strain relief, operator protection (qty 1)	NI 9928, Back shell for 18-Position Screw Terminal (Qty 1)	1	S F
779005-01	NI 9411	NI 9411 6-Ch ±5-24 V, 1 MHz, Diff./SE DI Module	1 (4
141856-01	DB15F-DB15M, 15- PIN Female to Male Dsub I/O cable, 1M	DB15F-DB15M, 15-Pin Female to Male DSUB I/O Cable, 1M	1	

783734-01	NI 9421 with Spring Terminals	NI 9421 Spring Term, 24 V, 100 µs, 8- Ch Sinking DI Module	1	1,7
783787-01	NI 9981 Strain relief, operator protection (qty 1)	NI 9981, Strain Relief and Operator Protection (qty 1)	1	
779891-02	NI 9870 4-Port RS232 Serial Module	NI 9870 4-Port RS232 Serial Module (Module Only)	1	
198303-01	PC-MF4-Y C Series Microfit Power Y- Adapter Male to 2- Female (0.2m)	PC-MF4-Y C Series Microfit Power Y- Adapter Male to 2-Female, 2m	1	
198159-01	PC-MF4-PT Power Cable C-Series Microfit Female to Pigtail (0.35m)	PC-MF4-PT CSERIES Microfit Power Cable female to Pigtail, .35m	1	
		tem Accessories		
782698-01	PS-10, 5Amp, 24VDC, 100-120/200- 240 VAC	NI PS-10 Desktop Power Supply 24	1	
		Services		
SRV- CR6626421	Standard Services		1	
		Software	- 3	-
784503- 35WM	Lab View Base Development System, Windows, All Languages, Subscription License, With Media	Lab View Base Development System, Windows, All Languages, Subscription License, With Media, Include 1 Year SSP	1	

2. Important Note: Accessories not mentioned above but which are essential for operation/ verification of the system including cables, modules, power supply, adapters and software's must be supplied.



S No	General Requirements/ Conditions	Firm's Reply (Complied/ Partially Complied/ Complied
Note	Guidelines for firm for submitting Technical Proposals for Technical required to clearly mention complied/ Partially Complied/ Not Complied Clause and qualify same through mentioning references in respective Claufirm's technical proposal/ brochures.	Gillgivo olianier coo.
1.	DELIVERY SCHEDULE The equipment/ stores/ accessories/ tools are to be delivered within 06 months from the date of signing of contract on for basis Karachi.	
2.	PAYMENT TERMS:	
•	a. As per DDP&I-35 (Revised 2019) or as decided by DP (N). b. 60% payment on completion of following:	
	(1) Delivery at Pakistan alongwith tools/ stores. (2) Joint inspection (3) Provision of documents. (4) Satisfactory conduct of operator & maintainer training of PN Team prior delivery of stores.	
	 c. 40% payment on completion of following: (1) Successful completion of installation/ integration/ interfacing/ STW/ commissioning of platform/ equipment/ machinery at purchaser site complying all specifications/ acceptance criteria and issuance of acceptance certificate by end user. 	
	(2) Issuance of CRV by consignee.	
3.	a. Supplier is to guarantee that product is as per specs of the contract. b. Complete equipment including accessories/ software is to be warranted by the supplier for a period of 01 year, for all defects from the date of final acceptance by PN. c. The supplier is to guarantee that all the items supplied under the terms of this contract are of the latest version, OEM certified & brand new. Stores not procured directly from OEM or his authorized dealer/ agent/ stockist will not be acceptable. d. The supplier is to guarantee that materials used, whether or not of his manufacture, conform to the international quality standards for such equipment.	



	e. Post-delivery, the supplier will replace DDP at consignee's warehouse without any additional cost within 30 days every article or part thereof which before use or in use shall be found defective or not within the limits & tolerances of specifications, or in any way not in accordance with the terms of the contract at the time of Joint Inspection.	
	f. In case of supplier failure to replace the defective stores without any additional cost within 30 days he will refund relevant cost DDP at consignee's warehouse in the currency in which received along with a reasonable compensation as claimed by PN.	
4.	PERFROMANCE BANK GAURANTEE. To ensure timely & correct supply of stores, the firm will furnish an unconditional performance Bank Guarantee. Within 30 days of signing of the contract from a scheduled bank of Pakistan for an amount equal to 10% of the total FCA (Final Contract Amount) value of the contact (on a Judicial Stamp Paper) of appropriate value as per prescribed format. It shall remain in force till 60 days beyond completion of warranty period.	
5.	LOGISTIC SUPPORT:	
	 Manufacturer/ OEM/ supplier to certify that the spares will be available to support the supplied equipment for at least 10 years. 	
	 Three years spares to be included in the offered package. 	
	 OEM is to provide all updates to the components data library of system upgraded by the OEM from time to time. 	
	d. Manufacturer/ OEM/ supplier to provide calibration equipment & procedures with scope of supply.	
6.	DOCUMENTATION:	
	 a. Two Sets of following original documents are to provided by the firm for each system: 	
	(1) Work shop manual	
	(2) Parts catalogue	
	(3) Operating manual (4) System electric/ electronic circuit drawings	
	b. Firm will provide brochure of the equipment against IT for study by PN, at the time of TSR. Photocopies of documentation will not be accepted.	•
	c. The OEM's original brochure of the equipment containing all technical details is to be provided by the supplier alongwith technical offer.	
7.	TRAINING (OPERATOR/ MAINTAINER)	
	OJT at suitable site offered by supplier/ OEM for 05 x working days' prior delivery of stores, so that trained personnel are capable of:	
	Operating equipment to its full capabilities, while ensuring all safety aspects of equipment. Carryout all types of maintenance routines.	
	(3) Carryout fault diagnosis & rectification.	



- (4) Be able to set to work, trial & commission the equipment after routine maintenance and repair.
- b. Provision of computer based training CDs/ DVDs where approachable.
- Training charges (if any) to be mentioned in the quotation by supplier.

8. ADDITIONAL INSTRUCTIONS

Certification Requirement:

- Supplier/ OEM will confirm through OEM certificate at the time of supply/ delivery of the equipment at NSD that equipment being supplied is proven equipment.
- Supplier through certificate is to confirm that he will provide import documents at the time of delivery of stores.
- Supplier certificate for conformance of 100% contract specification, (any deviation to be clearly indicated in the offer) will be provided at the time of delivery of stores.
- d. Calibration certificate traceable to international standards is to be provided by the OEM which is valid at the time of delivery.
- e. Supplier is to provide following documentation at the time of inspe
 - Firm's Warranty/ Guarantee on form "DPL-15" for functionality/ serviceability of the item(s).
 - (2) OEM's "Certificate of Conformity" indicating following:
 - (a) Pattern/ Part number of equipment.
 - (b) Description of equipment along with quantity.
 - (c) Date/ Period of manufacture.
 - (d) Conformance to standards/ specifications quoted in
 - LT.
 - (e) List of Serial No or Batch numbers or Lot number as embossed/ engraved on the stores.
 - (3) OEM Test Certificate.
- f. OEM's "Certificate of Conformity" originating from "Principle" who is neither the OEM nor the OEM's authorized dealer/ agent/ stockist will not be acceptable.
- g. <u>Accessories</u>. Details of the accessories being offered are to be intimated in the technical offer and prices of these accessories are to be mentioned separately commercial offer.
- Provision of brochure. The OEM Brochure of the equipment containing all technical details & drawings is to be provided by the supplier along with technical offer.



- j. Provision of Spares/ Consumables. Supplier is to provide OEM recommended parts including consumables required for scheduled maintenance /operation for 01 year operation of the equipment (List to be provided with the technical proposal for vetting).
- k. <u>Certificate of Conformance by OEM</u>. Firm/ Supplier shall provide correct and valid e-mail and fax No. to CINS & DP (N). Supplier/ contracting firm shall either provide OEM Conformance certificate to CINS or is to be e-mailed to CINS under intimation to DP (N). Hard copy of COC must follow in any case through courier. On receipt, CINs shall approach the OEM for verification of Conformance Certificate issued by the OEM. Companies/ firms rendering false OEM conformance Certificates will be black listed.
- Technical Rejection. In case of non-compliance to any of the clause of Annex A to IT, offer is subject to technical rejection.
- m. Additional Purchase. OEM/ supplier is to provide an undertaking that in case purchaser wishes to buy additional quantity/ number of stores within next 12 months after the completion date of the contract, the supplier will provide the equipment at the same cost. The supplier may however sell stores at a lower cost.
- n. Obtaining of Licenses. It is the responsibility of the supplier to obtain licenses/ permits etc (if any) in the seller's country. Failure to obtain the same shall not constitute grounds for Force Majeure.
- p. <u>Packing</u>. Packing of equipment should be of international quality standards to be worthy of air, sea, rail and road transportation.
- q. <u>Joint Inspection Committee</u>. A joint Inspection committee comprising reps from CINS, R&D Wing (NRDI) & NSD will carry out joint inspection of delivered equipment/ stores at NSD within 15 days of receipt of stores. Para 3 e above also refers.
- r. Origin of Supply. Supplier in his Offer/ Quotation is to specifically mention country of origin for the stores which will be subsequently endorsed in the "Contract". Origin of the equipment should be important (other than India & Israel) with OEM CoC.
- s. <u>Discontinuation of Production</u>. In case of discontinuation of production of any component part as result of obsolescence or development of upgraded version, the seller is to inform the buyer at least one (01) year in advance. The seller will ensure the provision of such components/ parts as demanded by the buyer prior discontinuation of the production and shall also provide alternate for such components/ parts in case the original is not available.
- Integrity Pact. Procurement shall be subject to an integrity pact, as specified by regulation with approval of the Federal Government, between the procuring agency & the suppliers or contractors.
- u. Arbitration. As per contract document of DP(N).



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	v. <u>Discrepancy</u> . The consignee will render a discrepancy report to all concerned within 30 days after receipt of stores for discrepancies found in the consignment. The quantities found short are to be made good by the supplier, without any additional cost on DDP basis Karachi (Pakistan) within 30 days.	
	w. <u>Penalty</u> . The Seller before making the shipment will carry out complete test of the equipment at its facilities to ensure that the same has been manufactured as per specifications. In case the equipment does not pass the test/ trials, the buyer has the right to out rightly reject the equipment or impose penalty at the rate of 10-15% of the value of the relevant equipment/ item.	
	x. The penalty shall not absolve the Seller to undertake the repairs in Pakistan or on board at his cost and expense including freight charges. This shall be in addition to the penalties and obligations covered in the contract like warranty/ guarantee obligations on Form DPL-15.	
	y. <u>Updates & Current Information</u> . Suppler in his "Offer/ Quotation" is to provide latest updates and current information about technical specifications/ details. If pattern number, part number or quality standards of a particular item has been superseded by a new one after conclusion of the contracts, the supplier will be required to produce a documentary proof to this effect origination from the relevant OEM. If replaced part affects fittings & functioning of other associated part as well then detail of those parts are also to be provided.	
9.	SOURCE OF SUPPLY. In case the equipment is being sourced through OEM's Authorized Dealer/ Agent/ Stockist a documentary proof to this effect comprising OEM's Dealership Certificate in respect of Dealer/ Agent/ Stockist is to be provided by the supplier with following endorsements:	
	(1) Certificate reference number with date. (2) Name of the authorized dealer/ agent/ stockist. (3) Last date/ duration/ period for validity of dealership.	
10	PRICE VARIATION. Prices offered will be firm & final.	
11.	RISK PURCHASE. In the event of failure on the part of supplier to comply with the contractual obligations the contract will be cancelled at the Risk & Expense of the supplier in accordance with DPP&I-35.	
12.	LIQUIDATED DAMAGES. Liquidated Damages upto 2% per month are liable to be imposed on the suppliers by the purchaser in accordance with DPP&I-35, if the stores/ services supplied after the expiry of the delivery date without any valid reasons. Total value of LD shall not exceed 10% of the contract value.	
13.	FORCE MAJEURE. The supplier will not be held responsible for any delay occurring in supply of equipment due to event of Force Majeure such as acts of God, War, Civil commotion, Strike, Lockouts, Act of Foreign Government and its agencies and disturbance directly affecting the supplier over which events or circumstances the supplier has no control. In such an event the supplier shall inform the purchaser within 15 days of the happening and within the same timeframe about the discontinuation of such circumstances/ happening in writing. Non-	

	availability of raw material for the manufacture of stores, or of export permit for the contracted stores from the country of its origin, shall not constitute Force Majeure.	.0
14.	TERMINATION:	
	a. If at any time during the currency of the contract the Purchaser decides to terminate the contract for any reason whatsoever (other than for reasons of non-Delivery) the shall have right to do so by giving the Supplier a registered notice to that effect. In that event the purchaser will accept delivery at the contract price and terms of such stores/ goods/ services which are in the actual process of manufacturer that is completed and ready for delivery within thirty days after receipt by the supplier of such notice.	
	 In the case reminder of the undelivered stores/ goods/ services the purchaser may elect either: 	
	(1) To have any part thereof completed and take the delivery thereof at the contract price or.	
	(2) To cancel the remaining quantity and pay to the Supplier for the articles or sub-components or raw materials purchased by the supplier and are in the actual process of manufacturer at the price to be determined by the Purchaser. In such a case materials in the process of manufacture shall be delivered by the supplier to the Purchaser.	•
	(3) No payment shall however be made for any materials not yet in the actual process of manufacture on the date notice of cancellation is received.	
	c. Should the Supplier fail to deliver stores/ goods/ services in time as per quality terms of contract or fail to render Bank Guarantee within the stipulated time period or any breach of the contract the purchaser reserves the right to terminate/ cancel the contract fully or any part thereof at the risk & expense (RE) of the supplier.	
15.	ACCEPTANCE/INSPECTION CRITERIA:	
	a. The equipment will not be acceptable in case of the following:	0
	(1) Equipment specifications are not as per Annex 'A'. (2) List of Spares/Consumables required for maintenance / operation for 01 year at Para 8j of Annex 'B' are not provided. (3) Documentation at Para 6(a to c) of Annex 'B' not provided. (4) Training is not conducted as per Para 7a of Annex 'B'. (5) Para 8(a to f) "Certification Requirement" at Annex 'B' are not met. (6) Confirmation of performances & functions is not same as given in the contract and relevant documentation/ manuals. b. The final acceptance certificate will be signed by PN within 01	
	week only after successful completion of all acceptance trials to the entire satisfaction of PN.	



*	 Firm is to obtain clearance from OEM regarding availability of original documentation as per PN requirement. Later on after contract conclusion no relaxation in this regard will be entertained. 	
16.	COMMISSIONING/TRIALS:	
	 a. Commissioning and STW of the system/ equipment is to be arranged within 30 days of supply of equipment by the supplier through OEM or their authorized rep(s) at R&D Wing (NRDI). 	
	 Set to Work/ Commissioning trials to be carried out by contractor on site. Any defect/ damage of the equipment during commissioning trials to be replaced by the supplier without any additional cost. 	
	 Commissioning charges (if any) to be mentioned in the quotation by supplier. 	
17.	PRICE OF ALL DELIVERABLES:	
•	a. The supplier should mentioned the price of all deliverables (i.e. equipments, spares, documentation, services, tools/ test equipment, training, installation, test/ trials/ commissioning etc where applicable) separately in financial quote. The same are to be subsequently incorporated in the contracted.	
	 b. In his quotation the supplier should separately mention the price as per following format: 	
	S No Description (1) Complete equipment (2) Mandatory accessories (3) Operator manual	
	(3) Operator manual (4) Maintenance manual	
	(5) Depot list (6) Training	
	(7) Spares (8) STW/ Commissioning	
•	c DP (N) is requested to ensure that commercial offer clearly indicates above listed prices.	
18.	TSR. Technical scrutiny of quotations forwarded by the bidders will be carried out by a committee comprising 02 or more officers nominated by NHQs.	



INTEGRITY PACT

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC PAYABALE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACT

Contract No.	DATE
Contract Value (Specify	Value in Currency)
Contract Title	for Pakistan Navy
contract right interest privile	eby declares that it has not obtained or induced the procurement of any ge or other obligation or benefit from Government of Pakistan or any spency thereof or any other entity owned or controlled by it (Govt of ousiness practice.
has fully declared the brokera agreed to give and shall not gi or indirectly through any neu- consultant, director, promoter, finder's fee or kickback, whether or inducing the procurement	perality of the foregoing, M/s represents and warrants that it ge, commission, fees etc, paid or payable to anyone and not given or we or agree to give the anyone within or outside Pakistan either directly trail or juridical person, including its affiliate, agent, associate, broker, shareholder, sponsor or subsidiary, any commission, gratification, bribe, or described as consultation fee or otherwise, with the object of obtaining of a contract, right, interest, privilege or other obligation or benefit in at of Pakistan, except that which has been expressly declared pursuant
arrangements with all persons	ies that it has made and shall make full disclosure of all agreements and in respect of or related to the transaction with Govt of Pakistan and has ot take any action to circumvent the above declaration, representation or
not making full disclosure, mis- declaration, representation and obligation or benefit obtained in	epts full responsibility and strict liability for making any false declaration, representing facts or taking any action likely to defeat the purpose of this is warranty. It agrees that any contract, right, interest, privilege or other or procured as aforesaid shall, without prejudice to any other rights and Pakistan under any law, contract or other instrument, be avoidable at the
Supplier] agrees to indemnify corrupt business practices and to ten times the sum of any as aforesaid for	whits and remedies exercised by Govt of Pakistan in this regards, [the Govt of Pakistan for any loss or damage incurred by it on account of its further pay compensation to Govt of Pakistan in an amount equivalent commission, gratification, bribe, finder's fee or kickback given by M/s the purpose of obtaining or inducing the procurement of any contract,
right, interest, privilege or other	obligation or benefit in whatsoever form, from Govt of Pakistan.
	OHO -
[The Purchaser]	[The Supplier]

CONFIDENTIAL

UNDERTAKING/ NON- DISCLOSURE CERTIFICATE

SECOND SECOND	/Name /	Appointment)	INTERNATION A
All Street	U		AUTHOR S
on behalf of	(Name for	Firm/ Contractor)	
	(With address a	nd Telephone number)	
2. Do hereby sub	omit an undertaking	to abide by the provision ed. Breach of these pro	of Official Sec
1923 and conditions any employee of the immediate ceasing of	e firm, in addition	ID sulk onser hersert or	nder law, will
		Sig	*******
			ointment
Signature of W	/aness		
Name (in block	BE DESCRIBE	Seal & Date	
CNIC No_	nhotocopy	LANCE STOCK THE PROPERTY AND ADDRESS OF THE PARTY OF THE	
CNIC No_ (Please attach Address_	photocopy)		
(Please attach Address			
(Please attach Address	Alness	A Seul & Date	
(Please attach Address	/itnessk capital)	Seal & Date	
2. Signature of W Name (in block CNIC No_ (Please attach	/itnessk capital)	A Seal & Date	

CONFIDENTIAL

TENDER NO	NAME OF THE FIRM
To:	MOBILE NO
	Directorate of Procurement (Navy) Through Bahira Gate Near SNIDS Centre, Naval Residential Complex E-8 ISLAMABAD Contact: Reception: 051-9262311 Bahria Gate: 0331-5540649 Section: 051-9262304 Email: dpn@paknavy.gov.pk
DEAR SIR	Adpn31pre@paknavy.gov.pk Date
SCHEDULE TO THE TENDER INQUIRY OR SUCH PORTITENDER AT THE PRICES OFFERED AGAINST THE SAIR REMAIN VALID UP TO 120 DAYS AND WILL NOT BE WITHE CONDITIONS ALREADY STATED THEREIN OR COMMUNICATION OF ACCEPTANCE TO BE DISPATCHED. 2. I/WE HAVE UNDERSTOOD THE INSTRUCTIONS CONTRACT IN FORM NO. DP-35 (REVISED 2019) PAKISTAN, MINISTRY OF DEFENCE (DIRECTORATE GOVERNING CONTRACTS" AND HAVE THOROUGH PATTERNS QUOTED IN THE SCHEDULE HERETO AND	TO TENDERS AND GENERAL CONDITIONS GOVERNING INCLUDED IN THE PAMPHLET ENTITLED, GOVERNMENT OF GENERAL DEFENCE PURCHASE) "GENERAL CONDITIONS ILY EXAMINED THE SPECIFICATIONS/DRAWINGS AND/ OR D AM/ARE FULLY AWARE OF THE NATURE OF THE STORES S STRICTLY IN ACCORDANCE WITH THE REQUIREMENTS.
Α	
В	VOLIDO FAITHELLIA
C	YOURS FAITHFULLY,(SIGNATURE OF TENDERER)
	(CAPACITY IN WHICH SIGNING) ADDRESS: DATE SIGNATURE OF WITNESS ADDRESS
*INDIVIDUAL SIGNING TENDER AND/OR OTHER DOCUM	MENTS CONNECTED WITH A CONTRACT MUST SPECIFY:-
(c) Whether signing for the firm "per in the case of companies and firms date and under the Partnership Action (c) Whether signing for the firm "per in the partnership action (c) which is the partnership action (c) whether signing for the firm "per in the partnership action (c) whether signing for the partnership action (c) whether significant (c) whet	ACTIVE PARTNER" OF THE FIRM OR HIS ATTORNEY.

- (e) Principal's Proforma invoice (in original)
- (f) Earnest money
- (g) Treasury Challan Form for tender Fees as applicable

COPY OF DOCUMENT EMPOWERING HIM SO TO SIGN, IF CALLED UPON TO DO SO.

IMPORTANT

Each column must be filled in with BLOCK CAPITAL LETTERS, incompletion shall render disqualification.

1.	Name:
2.	Father's Name:
	Address (Residential:
4. 5.	Designation in Firm:
6.	CNIC:
	(Attach Copy of NTN) Firm's Address:
	Date of Establishment of Firm:
	Firm's Registration Certificate with FBR/Chamber of Commerce/Registrar of Companies. ttach Copy of relevant CERTIFICATE)
10	. In case PARTNERSHIP (Attach particulars at serial 1, 2,3,4,5 and 6 of each partner).
(Ki	indly fill in the above form and forward it under your own letter head with contact details)