

**REGISTERED/IMMEDIATE**

Heavy Industries Taxila  
Procurement Directorate (CP  
Branch)  
Taxila Cantt, Pakistan  
Tel : 051- 9315029  
Fax : 051- 9315029  
4997/IT-3053/19-20/CP-II/  
ASRF/Proc

30 October 2019

To: M/s \_\_\_\_\_

Subject: **Tender Inquiry – FOR**

1. This organization intends to purchase brand new items of Military standard as per Annexure 'A' of tender inquiry for rebuild of tank T-80UD. You are requested to please forward your offer for the following:-

Ser	Part No and Nomenclature	A/U	Qty
a.	Procurement of Assys/Spares required for Medium Rebuild of Tanks T-80UD	Nos	Details as per Annexure-'A'

**Instructions to Bidders**

- Rates will be quoted on FOR Taxila Cantt basis. Offer best competitive price while submitting your quotation.
- Over writing and cutting of any nature in the quotation will not be accepted.
- Part-I and Part-II quotations will be enclosed in separate sealed envelopes for each tender inquiry. For identification purpose, the words "TECHNICAL QUOTATION PART-I WITHOUT PRICE" and COMMERCIAL QUOTATION (PART-II) WITH PRICE" shall be written in BLOCK CAPITAL LETTERS on the respective sealed envelopes which will be placed in a large envelope bearing complete details of the tender inquiry as under :-

**BID****REGISTERED**

**TENDER INQUIRY NO. 4997/IT- 3053/19-20/CP-II/ASRF/Proc dated 30 October 2019**

**TO BE OPENED ON 1100 Hours on 18 November 2019**

To: ASSISTANT DIRECTOR (PROCUREMENT) HEAVY INDUSTRIES TAXILA  
GATE NO.1, HRF (T),

FROM: M/s \_\_\_\_\_

Note: Forward your bids not later than at **1030 hours** on **18 November 2019**.

- Delivery of Tender.** The tender/bid will be enclosed in a sealed envelope which will be invariably marked with "Bid against Tender Inquiry No. **4997/IT-3053 /19-20/CP-II/ASRF/Proc**

**dated 30 October 2019** and complete address. The tender if brought by hand, will be handed over to security staff on duty at Heavy Rebuild Factory HRF (T) Gate No.1 for placing the same in the bid box (available at the gate). The bid will not be brought by hand by any firm while visiting the office of Assistant Director (Procurement). Moreover if required endorsements are found missing, the bid will be liable for rejection.

6. The bid must be dropped in the bid box, latest by 1030 hours on **18 November 2019**, at Heavy Rebuild Factory HRF (T) Gate No.1. The bid will be opened same day at 1100 hours in the presence of the available representative of the firms in Heavy Industries Taxila. No bid will be entertained / considered after **1030 hours**, on the aforementioned date.

7. All papers must be signed and stamped and items not quoted / quoted must be mentioned clearly.

8. All clauses/terms mentioned in this inquiry will be considered accepted by the bidding firms, even if no reference to them is given in the respective offers.

9. **Postal Order for Rs. 200/-** (Rupees Two Hundred) in favour of MD ASRF, HIT Taxila Cantt, will invariably be enclosed with the technical offer, failing which the bid will be ignored.

10. Firms are instructed NOT to send Telex and Fax bids. Such bids/offers would not be accepted.

11. Following confirmation regarding availability of the advance sample be endorsed by all bidders in their quotations:-

12. Please confirm receipt of the tender inquiry immediately and also intimate your participation or otherwise in this tender inquiry. In case any firm does not wish to bid, then it should return the tender inquiry documents at the earliest.

13. HIT reserves its right to cancel the bidding process with reason but without any obligation to justify such a reason.

14. The stores are **required to be delivered at ASRF HIT, Taxila Cantt within three month** from the date of signing of the contract.

15. The offered price quoted must be firm, final and inclusive of all taxes, packing, handling charges etc and delivery at HIT Taxila cantt.

16. **Offers must remain valid for 180 days** from the date of opening of the tender.

17. The store will be packed in standard grade, worthy of transportation by the means adopted.

18. This inquiry may not be taken as an indication of subsequent supply order and does not in any way commit HIT to purchase the items offered.

19. Warranty period will be 2 years after issuance of last CRV/CRC. However, shelf life should not be less than 10 years.
20. In case of failure to supply the stores within the stipulated periods, liquidated damages at the rate of 2% but not less than 1% of amount involved per month and maximum value not more than 10% of contracted store value or a part there-of will be levied.
21. **Payment Terms**
- a. Payments will be made by either by CMA (DP), Rawalpindi or CMA (HIT) Taxila Cantt, through cheques against pre-receipted bills (duly affixed with revenue stamps) alongwith professional tax certificates (attested photocopies) of the suppliers after delivery and acceptance of stores.
  - b. Partial payments against partial deliveries will not be allowed.
  - c. The payment to the registered person is linked with active taxpayer status of the supplier as per FBR data base. If any registered supplier is not on active Taxpayer list, his / her payment will be stopped till he / she files his / her mandatory returns and appears on ATL of FBR.
22. HIT reserves the right to increase / decrease the quantity of items, placed on the tender without any reference to the firm.
23. The supplier shall furnish a 5% performance bank guarantee within one month from the date of signing of the contract from scheduled bank in Pakistan against the total value of contract excluding taxes/duties. This bank guarantee must remain valid for 24 x months after issuance of last CRV/CRC.
24. **All Firms participating in the tender will deposit 2% bid security of total quoted value in the shape of CDR / bank guarantee addressing to Director Procurement Heavy Industries Taxila. The bid security will be provided in Original by the firms in commercial envelope and clear mentioning of the same in the technical quotation without amount will be ensured by the firms, failing which the bid will stand rejected. The bid securities will be returned as under:-**
- a. **Unsuccessful Bidders.** Within 15 days of completion/announcement of the bid evaluation result.
  - b. **Successful Bidders.** Upon submission of 5 % PBG (para 23).
25. The net offered price will be inclusive of 17 % GST as imposed by Government of Pakistan. The offers without mentioning of 17% GST will not be considered. The GST will always be mentioned separately to the base price.

26. Integrity pact will invariably be involved/invoked when the total value of the contract exceed 10 Million as specified in PPRA Rule 2002-2004.
27. In case of any dispute regarding the terms and conditions and the quality of stores, the decision of the Chairman HIT will be considered as final and binding on the suppliers/firms.
28. In case, the contracted firm fails to execute the order within the stipulated time and does not materialize the supply of ordered stores, the supply order/contract would be cancelled at the firm's risk and expense. Expenditure incurred on the re-purchase of offered stores will be recovered from the defaulting firm, under existing procedures.
29. Inspection of the store will be carried out at HIT Taxila Cantt.

#### **Eligibility Criteria**

30. Firms should not be blacklisted or defaulted anywhere within or outside Pakistan. In this regard firm should provide **“No Blacklisting” (affidavit on judicial stamp as per Annexure ‘B’, duly attested by Notary Public, to be provided).**
31. Only FBR registered suppliers / persons who are on Active Taxpayer List (ATL) of FBR are eligible to supply goods/services to government departments. Thus the bidders will submit a certificate to this regard along with the technical bid.
32. Country of Origin: All countries except India, Israel, Taiwan.
33. In case of indigenously / locally manufactured item, the firms should have relevant experience and capacity of manufacturing these parts and should be duly qualified by Quality Control Department of ASRF Capacity for manufacturing of parts will be verified by a team ex ASRF during technical scrutiny of offer.
34. Confirmation of the part numbers and nomenclatures of required parts along with soft copy of same in MS Excel format. The confirmation to fulfil the technical specifications related to each item must be highlighted in the technical bid.
35. In the case of FOR imported items, the firms are responsible to provide evidence of the agency agreement/certificate of conformance, principal proforma invoice (in original and without price) and OEM certificates of all the items being quoted against this tender inquiry along with countries of origin. The firms will clearly indicate that all the parts used in the manufacturing (in case of assembling) are brand new from current production. Confirmation to fulfil technical specifications related to imported items on FOR basis must be highlighted in the technical bid.
36. Confirmation of the validity period of the quote, delivery period and warranty period.
37. Confirmation of all technical parameters specified in the IT or confirmation as per sample.

38. **Qualification Criteria.** Participating firms should meet the following criteria with:-

- (1) 50% score in every individual category
- (2) 70% aggregate score of all categories.
- (3) The scoring would be done as under:-

Ser	Description	Maximum Points
(a)	Financial Soundness	15
(b)	Past Experience / Record	15
(c)	Past Performance	20
(d)	Project's Technical Evaluation criteria	50
<b>Total</b>		<b>100</b>

(4) Further details of criteria for each of the above categories are as follows:-

- (a) **Financial soundness.** Credit marks for financial soundness of the firm shall be on the basis of following qualifications:-

Ser	Description	Max Points	Explanation for Marks Obtained	Remarks
(i)	Annual turnover of last 3 x Financial Years	5	<p>Marks will be calculated as per the formula:-</p> <p><b>Formula</b></p> $\text{Score} = \frac{(Y1+Y2+Y3)}{3X} \times 5$ <p>*(Y1,Y2,Y3 respective annual turnovers of last three years) X= Last purchased rate / estimated value of the quoted items available with HIT.</p>	<p><b>Third Party generated verifiable audit reports for last three financial years to be provided for upto and greater than Rs 10 Mn else bank statement be provided.</b></p>
(ii)	Working Capital of last 3 x Financial years	10	<p>Marks will be calculated as per the formula:-</p> <p><b>Formula</b></p> $\text{Score} = \frac{(Y1+Y2+Y3)}{3(x/2)} \times 10$ <p>Y1, Y2 and Y3 being respective working capitals of last three years. X/2= Half of the last purchased rate / estimated value of the quoted items available with HIT.</p>	<p>Note: All calculation will be done in Rs, other currency (if any) will be converted into Rs with applicable conversion rate.</p>

## OR

(iii)	Bank Credit Line	15	Full marks will be given to the bidders whose Bank credit lines will be equal to or higher than X. Marks of remaining bidder will be calculated as per given formula:- $\text{Score} = \frac{X1}{X} \times 05$ X1= Bank Credit Line X = Last purchased rate / estimated value available with HIT.	<b>Verifiable certificate from Bank with clearly mentioning bank credit line to be provided) (Specimen as per Annexure 'C'.</b>  Note: All calculation will be done in Rs, other currency (if any) will be converted into Rs with applicable conversion rate.
(iv)	Litigation History where decision went against the firm	-	Marks for firms with no litigation history. One mark will be deducted for each litigation where decision went against the firm.	<b>(Affidavit on judicial stamp paper as per Annexure 'D' to be provided).</b>
<b>Total</b>		<b>15</b>		

(b) **Past Experience/ Previous Record.** Credit marks for experience shall be awarded on the basis of following qualifications:-

Ser	Description	Max Points	Explanation for Marks Obtained	Remarks
(i)	Projects of similar nature and complexity i.e. Procurement of Assys/Spares required for Medium Rebuild of Tanks T-80UD completed in last 3 years.	10	3 years (1.3 marks per contract Maximum 3.3 marks per year)	<b>Attested and verifiable copies of related contracts / Purchase orders with Government / Semi Government / Defence organization be attached.</b>
(iii)	Status of enlistment with Government Organizations (Attested copies of Registration certificates to be enclosed).	5	Not registered firms be awarded 2.5 gratis Marks	
<b>Total</b>		<b>15</b>		

(c) **Past Performance.** Credit Marks for past performance shall be awarded on the basis of following criteria:-

Ser	Description	Max Points	Maximum Points	Remarks
	i. Contracted store supplied beyond DP in last 3 years (data will be attached duly verified from the concerned procurement agency).	2.5	<p>Marks of bidders will be calculated as per given formula:-</p> <p>X1 = Total value of last 3 years' contracts.</p> <p>X2 = Total value of last 3 years' contracts completed within DP first go.</p> <p><b>Formula:</b></p> $\text{Score} = \frac{X2}{X1} \times 2.5$	
	ii. Quantum of rejections of items in the last 3 years contracts (data will be attached duly verified from the concerned procurement agency).	2.5	<p>X1 = Total value of last 3 years contracts.</p> <p>X2 = Total value of the passed items in first go in the last 3 years' contracts.</p> <p><b>Formula:</b></p> $\text{Score} = \frac{X2}{X1} \times 2.5$	
	iii. Timely provision of docus/ bank guaranties / bid security money (data will be attached duly verified from the concerned procurement agency).	2.5	<p>X1 = Total no of contracts concluded in last 3 years'.</p> <p>X2 = Total number of timely provided bank guarantees/ bid securities against the total no of contracts in last 3 years.</p> <p><b>Formula:</b></p> $\text{Score} = \frac{X2}{X1} \times 2.5$	
	iv. No of contracts / items still pending beyond DP (data will be attached duly verified from the concerned procurement agency).	5	1 marks would be deducted for each contract in hand, which is pending beyond DP over 2 months	

	v. Risk and Expense action against firm approved / litigation history against the firms	2.5	1x marks will be deduction of those firms whose against Risk and expense action approved / litigation history	
	vi. Response to HIT Procurement quires /problems	5	1½ x marks will be deduct for each advice letter issued to the firm 1 marks will be deduct for each warning letter issued to the firm	1½ marks for each weak response/n ot attending any conference/ delayed response.
<b>Total</b>		<b>20</b>		

(d) **Project's Technical Evaluation criteria.** Credit Marks on technical specification parameters will be granted as per following:-

Ser	Description	Max Points	Remarks
(1)	<b><u>Facility</u></b> Production Unit / Technical Infrastructure.(Firm to submit proof in writing)	<b>50</b>	
(a)	Number of machines used in manufacturing of store.(List of vital machinery / equipment to be shared and not to include minor test equipment). (i) Minimum 10 x vital machinery / equipment - 10 numbers. (ii) For every additional 1 x machine – 1 number	20	
(b)	In-house testing on Test Benches / Environment Testers. (i) Minimum 10 x test Benches / Environment Test – 10 Numbers (ii) For every additional 1 x Test Bench / Environment Tester – 1 number	20	
(c)	<b><u>Warehouse / Store held with firm:-</u></b> (i) 50 x items in inventory – 05 numbers (ii) 100 x items in inventory – 07 numbers (iii) 200 x items in inventory – 09 Numbers Note: In case of inventory Management System is available, 2 x grace marks will be given.	10	
(d)	<b><u>ISO Certificate:-</u></b> Any firm have ISO valid certificate, 2 x grace marks will be given		
(2)	<b><u>Previous Prod Performance</u></b> (Firm to submit proof in writing)	<b>40</b>	



	(a)	Pass / Fail % age in initial acceptance (i) 100% Store accepted – 10 Numbers (ii) 90% Store accepted – 9 Numbers (iii) 80% Store accepted – 8 Numbers (iv) 70% Store accepted – 7 Numbers (v) 60% Store accepted – 6 Numbers (vi) 50% Store accepted – 5 Numbers	10	
	(b)	Failure rate after fitment / return for rectification cases (i) 0% failure rate – 10 Numbers (ii) 1% failure rate – 9 Numbers (iii) 2% failure rate – 8 Numbers (iv) 3% failure rate – 7 Numbers (v) 4% failure rate – 6 Numbers (vi) 5% failure rate – 5 Numbers	10	
	(c)	Response on RFR cases (i) Return after rectification within 07 days – 10 Numbers (ii) Return after rectification within 15 days – 8 Numbers (iii) Return after rectification within 30 days – 5 Numbers	10	
	(d)	Response on warranty cases ½ x mark will be deducted for each advice letter issued to the firm and 1 mark will be deducted for each warning letter issued to firm.	10	

**Note:-** “Newly participating firms or the firms who have no past performance record with HIT will be given 50% marks in each sub category above”

(3)	<b><u>Conformal coating of relevant Circuit Board (where applicable)</u></b>		<b>40</b>	
	(a).	Conformal Coating	40	
	(b).	Equivalent to conformal coating with similar advantage to be specified	20	
(4)	<b><u>PCB Military Specifications (where applicable)</u></b>		<b>20</b>	
	(a).	In case of any Military Specifications	20	
	(b).	Below Military Specification 0 number		
(5)	<b><u>Plug / Sockets should be of Military Specifications (where applicable)</u></b>		<b>20</b>	
	(a).	In case of any Military Specifications	20	
	(b).	Below Military Specification 0 number		
(6)	<b><u>Fabrication of all PCBs (where applicable)</u></b>		<b>30</b>	
	(a).	If all PCBs are manufacture as per OEM parameters	15	
	(b).	Any performance beyond standard in vibration shock, Temperature will be given extra 5 numbers		
	(c).	Any additional feature if offered other than standard will carry extra 5 Numbers		
<b>Total</b>			<b>200</b>	

Score in Technical evaluation = $\frac{X}{200} \times 50$
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Marks Obtain out of 200 = X
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<b>Note:</b> Participating firms should meet over all 50% score in Technical Evaluation Criteria to qualify.
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39. Contracts will be awarded to **lowest evaluated bidder** using **least cost method**.

40. ATPs of the store to be delivered with 1<sup>st</sup> batch of store and complete set of TDPs with design and manufacturing software / hardware for PCBs only to be provided by the firm with last lot of delivered store. The documents to be provided should contain.

- a. CAD Files.
- b. Garber Data.
- c. Schematic and layout design with specification of components.
- d. Calibration and adjusting manual.
- e. Source code and Hex files (In case of Programmable ICs used).
- f. List of components along with their data sheet.
- g. Repair and maintenance manuals.
- h. BOM

**Note:** Technical/Commercial quotation must conform to IT parameters specified in this tender. The offer will be rejected there in if the said parameters are not complied with.

Lieutenant Colonel  
Assistant Director Procurement  
(Riaz Fida)

**Proc of Assys/Spares req for Medium Rebuild of 25x Tks T-80UD**

S/No	Part No	Nomenclature	A/U	Net Qty Req	Remarks
<b>PK-43 Comd Panel</b>					
1	TsIFT.431431.004 or equivalent	Control Board	Nos	3	
2	TsIFT.431431.005 or equivalent	Indication Board	Nos	8	
3	TsIFT.685627.006-01 or equivalent	Harness	Nos	5	
4	TsIFT.711663.001 or equivalent	Switch Nut	Nos	2	
5	TsIFT.712153.001 or equivalent	Handle	Nos	2	
6	TsIFT.753511.001 or equivalent	Spring	Nos	2	
7	TsIFT.713564.001 or equivalent	Bush	Nos	2	
8	TsIFT.711163.001 or equivalent	Nut T1	Nos	2	
9	TsIFT.711163.001-01 or equivalent	Nut T1	Nos	2	
10	TsIFT.753693.001 or equivalent	Damper	Nos	30	
11	TsIFT.713251.001 or equivalent	Bush	Nos	10	
12	TsIFT.754142.007 or equivalent	Gasket	Nos	2	
13	TsIFT.757467.001 or equivalent	Tab	Nos	2	
14	TsIFT.757513.003 or equivalent	Outer Cover	Nos	30	
15	TsIFT.757516.002 or equivalent	Outer Cover	Nos	50	
16	DVP4-1 or equivalent	Carrier	Nos	10	
17	5.0A-250V or equivalent	Fuse Link	Nos	10	
18	Niv or equivalent	Toggle Switch T1	Nos	8	
19	Niv or equivalent	Small Size Button KM1-1	Nos	6	
20	Niv or equivalent	Micro Switch	Nos	5	
21	PG3-11P1NV or equivalent	Switch	Nos	6	
<b>PN-43 Gnr Panel</b>					
22	TsIFT.431431.031 or equivalent	Board	Nos	7	
23	TsIFT.305432.001 or equivalent	Indicator Board	Nos	5	
24	DVP4-2 or equivalent	Carrier Lid	Nos	10	
25	2RMDT33B32Sh5V1 or equivalent	Plug	Nos	3	
26	TsIFT.711163.001 or equivalent	Nut T1	Nos	4	
27	TsIFT.711164.001 or equivalent	Nut KM	Nos	4	
28	TsIFT.685627.005-01 or equivalent	Harness	Nos	2	
29	TsIFT.753693.001 or equivalent	Damper	Nos	10	
30	TsIFT.713251.001 or equivalent	Bush	Nos	6	
31	TsIFT.757467.001 or equivalent	Tab	Nos	6	

32	TsIFT.757513.003 or equivalent	Outer Cover	Nos	25	
33	TsIFT.757516.002 or equivalent	Outer Cover	Nos	16	
34	TsIFT.754165.001 or equivalent	Gasket	Nos	2	
35	DVP4-1 or equivalent	Carrier Lid	Nos	10	
36	5.0A-250V or equivalent	Fuse Link	Nos	10	
37	RS19TV or equivalent	Plug	Nos	2	
38	2PMG22B10Sh1E2B or equivalent	Plug	Nos	2	
39	Niv or equivalent	Toggle Switch T1	Nos	6	
40	Niv or equivalent	Small Size Button KM1-1	Nos	5	
41	Niv or equivalent	Toggle Switch T3	Nos	6	
42	P2T-2V or equivalent	Toggle Switch	Nos	5	
<b>IV216 Ammo Selector</b>					
43	2RMT30B32G1V1 or equivalent	Socket	Nos	2	
44	PG2-5-12P1NVK or equivalent	Switch	Nos	4	
45	PG2-5-12P1NVK or equivalent	Switch Handle	Nos	3	
<b>BZ-1 Protection Unit</b>				0	
46	TsIFT.431431.006 or equivalent	Control Board PU	Nos	5	
47	TsIFT.431431.007 or equivalent	Matching Board	Nos	6	
48	TsIFT.431431.008 or equivalent	Matching Board PS-2	Nos	8	
49	Niv or equivalent	Fuse link VP1-1 2A 250V	Nos	15	
50	Niv or equivalent	Fuse link VP1-1 5A 250V	Nos	50	
51	Niv or equivalent	Fuse link VP1-1 10A 250V	Nos	10	
52	Niv or equivalent	Fuse Carrier Lid DPB	Nos	70	
53	Niv or equivalent	Fuse Carrier Lid DVP4-2	Nos	12	
54	2RMG33B2OS4 or equivalent	Plug	Nos	2	
55	TsIFT.671342.001 or equivalent	Throttle	Nos	2	
56	TsIFT.685627.10 or equivalent	Harness	Nos	2	
57	TsIFT.687281.010 or equivalent	Board	Nos	2	
58	TsIFT.712441.002 or equivalent	Bush	Nos	25	
59	TsIFT.713341.002 or equivalent	Bush	Nos	25	
60	TsIFT.731111.003 or equivalent	Body	Nos	2	
61	TsIFT.715531.001 or equivalent	Rack	Nos	2	
62	TsIFT.755471.001 or equivalent	Glass	Nos	4	
<b>BUK-1 Gun Control Unit</b>					
63	TsIFT.421447.001 or equivalent	Electro element Unit BE-001	Nos	6	
64	TsIFT.421447.002 or equivalent	Integrator IN	Nos	10	
65	TsIFT.421447.003 or equivalent	Pulse amplifier U11	Nos	5	
66	TsIFT.421447.004 or equivalent	Board of amplifier VN-UVN	Nos	5	
67	TsIFT.421447.005 or equivalent	Transformer PR1	Nos	2	
68	TsIFT.421447.006 or equivalent	Transformer PR2	Nos	3	
69	TsIFT.421447.007 or equivalent	Differentiator GN-DGN	Nos	3	
70	TsIFT.421447.008 or equivalent	Pulse amplifier U12	Nos	4	
71	TsIFT.421447.009 or equivalent	Amplifier GN-UGN	Nos	4	
72	TsIFT.421447.010 or equivalent	Relay Unit VR1	Nos	3	
73	TsIFT.421447.011 or equivalent	Relay Unit VR2	Nos	3	

74	2RMDT33B32Sh5V1V or equivalent	Plug	Nos	2	
75	2RMDT36B20Sh6V1V or equivalent	Plug	Nos	2	
76	2RMDT42B45Sh5V1V or equivalent	Plug	Nos	2	
77	2RMDT42B45Sh5E2 or equivalent	Plug	Nos	2	
78	REN33 or equivalent	Relay	Nos	2	
79	RES-9 or equivalent	Relay	Nos	2	
80	TsIFT.753661.001 or equivalent	Spring	Nos	3	
81	TsIFT.754257.001 or equivalent	Pointer	Nos	5	
82	TsIFT.735214.003 or equivalent	Case	Nos	2	
83	Niv or equivalent	Capacitor 220µf/25V Axial Lead	Nos	5	
84	Niv or equivalent	Capacitor 43µf/63V Axial Lead	Nos	4	
<b>BU-43 Auto Loading Control Unit</b>					
85	TsIFT.436734.004 or equivalent	Module IP-004	Nos	20	
<b>BPV-29 Joy Stick</b>					
86	RS50TV or equivalent	Plug	Nos	2	
87	TsIFT.304265.001 or equivalent	Latch	Nos	2	
88	PG2-9-6P2N-VK or equivalent	Switch	Nos	6	
89	3L341D1 or equivalent	Single Indicator	Nos	5	
90	3L341G1 or equivalent	Single Indicator	Nos	5	
91	PT6-16 or equivalent	Double Pole Toggle Switch	Nos	4	
92	TsIFT.757516.002 or equivalent	Outer Cover	Nos	5	
93	TsIFT.711164.001 or equivalent	Nut KM	Nos	3	
94	TsIFT.741545.002 or equivalent	Rest	Nos	2	
<b>Gyro Compass</b>					
95	AZhIYu.296444.002 or equivalent	Screw Driver	Nos	10	
96	MN26-012 or equivalent -V-1	Lamp	Nos	10	
97	2MGD18V4Sh5E2B or equivalent	Plug	Nos	2	
98	AZhIYu.303811.010 or equivalent	Tooth Wheel	Nos	4	
99	AZhIYu.675741.001 or equivalent	Cartridge	Nos	4	
<b>OG Angle Limiter</b>				0	
100	Niv or equivalent	Micro Switch	Nos	6	
<b>DV-3 Fan Motor</b>					
101	684341.016 or equivalent	Armature	Nos	14	
102	685234.018 or equivalent	Brush	Nos	30	
103	301728.001 or equivalent	Stream lined fan	Nos	90	
104	685422.008 or equivalent	Reel	Nos	6	
105	Gost 111505.65 KCO-5-500-6-3000±5% or equivalent	Condenser	Nos	12	
106	Gost 7224-81 B80064C or equivalent 1	Bearing	Nos	26	

107	632558.001 or equivalent	DV-3 Fan Motor	Nos	5	
<b>EDM-16U Turret Motor</b>					
108	684263.020 or equivalent	Armature	Nos	6	
109	684263.021 or equivalent	Armature	Nos	6	
110	70-80108S2 or equivalent	Bearing	Nos	6	
111	76-80208S2 or equivalent	Bearing	Nos	6	
<b>EDM-14 Vertical Drive Motor AAMG</b>					
112	685224.004 or equivalent	Brush	Nos	30	
113	753633.014 or equivalent	Spring	Nos	4	
114	6-80201T2S2 or equivalent	Bearing Gost 7242-81	Nos	20	
115	<b>527144.002</b> or equivalent	EDM-14 Vertical Drive Motor	Nos	2	
<b>Amplidyne</b>					
116	684263.025 or equivalent	Armature	Nos	6	
117	685234.006 or equivalent	Brush	Nos	60	
118	685234.007 or equivalent	Brush	Nos	90	
119	76-80206KS2 or equivalent	Bearing	Nos	10	
120	S5-36V-25-10 Ohm $\pm 10\%$ or equivalent	Resistor	Nos	4	
<b>Elect</b>					
<b>BAS-701 Anti Freez Unit</b>					
121	ASIP.423133.003 or equivalent	Module BAS701-02	Nos	8	
122	ASIP.423133.004 or equivalent	Module BAS701-03	Nos	6	
123	ASIP.423133.002 or equivalent	Module BAS701-01	Nos	4	
124	ASIP.301413.010 or equivalent	Panel	Nos	4	
125	GEO.364.140TU or equivalent	Plug 2RMG27B24Sh1E2B	Nos	2	
126	OYUO.360.016TU or equivalent	Micri Switch MT-I	Nos	4	
127	ASIP.423133.001-01 or equivalent	BAS-701 Anti Freez Unit	Nos	3	
<b>OD-1 Optical Sensor</b>					
128	ASIP.687252.010 or equivalent	Board	Nos	70	
129	ASIP.687281.101 or equivalent	Panel	Nos	70	
130	ASIP.425248.001 or equivalent	OD-1 Optical Sensor Unit	Nos	30	
<b>RN-504 Voltage Regulator</b>					
131	ASIP.687281.034 or equivalent	Board (A4 Cord)	Nos	10	
132	AZU.600 8A.361201TU or equivalent	Automatic cct Breaker	Nos	4	
133	2T825A or equivalent	Transistor	Nos	12	
134	SP-30.30V or equivalent	Fuse	Nos	10	
135	GEO.364.165TU or equivalent	Plug RMG22B4Sh3V1	Nos	2	
136	ASIP.468361.009 or equivalent	RN-504 Voltage Regulator Unit	Nos	2	
<b>RSG-716 Starter Generator Relay</b>					
135	ASIP.684479.003 or equivalent	Support	Nos	10	
136	ASIP.301249.002 or equivalent	Cover	Nos	4	
137	ASIP.685442.009 or equivalent	Coil	Nos	2	
138	ASIP.758159.004 or equivalent	Bolt (copper)	Nos	10	
139	ASIP.758482.001 or equivalent	Lock Washer	Nos	40	
140	NIV or equivalent	Contact Bolt ( Sliver plating)	Nos	40	

141	NIV or equivalent	Nut For Contact Bolt ( Copper)	Nos	60	
142	ASIP.684129.006 or equivalent	RSG-716 Starter Generator Relay Unit	Nos	5	
<b>Master Switch</b>					
143	NIV or equivalent	Contact Assy	Nos	10	
144	NIV or equivalent	Contact Plate ( Sliver plating)	Nos	2	
145	NIV or equivalent	Through Out Bolt ( MS)	Nos	20	
146	NIV or equivalent	Catcher	Nos	4	
147	NIV or equivalent	Nut For Bolt	Nos	12	
148	NIV or equivalent	Lock Washer	Nos	20	
149	NIV or equivalent	Nut	Nos	120	
150	NIV or equivalent	Bolt	Nos	12	
151	NIV or equivalent	Screw For Catcher	Nos	20	
152	NIV or equivalent	Bush For M/Switch	Nos	6	
153	NIV or equivalent	Screw For Bush	Nos	10	
154	VB-404-1S or equivalent	Master Switch	Nos	3	
<b>KDS-710 Road Signal Unit</b>					
155	ASIP.687281.023 or equivalent	Board	Nos	6	
156	ASIP.687281.022 or equivalent	Board	Nos	6	
157	aAO.339.054TU or equivalent	Transistor 2T825B	Nos	6	
158	GEO.364.140TU or equivalent	Plug 2PMGD27B19Sh5E2B	Nos	5	
<b>PUS-403 Starting Device</b>					
159	ASIP.647116.001 or equivalent	Time Switch	Nos	4	
160	8AO.361.026TU or equivalent	Contactactor TKS101D0D	Nos	2	
161	NIV or equivalent	Plug SSHRG36P15ESh5	Nos	2	
<b>KUV-401 Fan Control Box</b>					
162	ASIP.642122.001 or equivalent	Micro Switch	Nos	4	
163	ASIP3687281.017 or equivalent	Board	Nos	4	
164	8AO.361.026TU or equivalent	Contactactor TKS101D0D	Nos	2	
<b>P-708 Display Unit</b>					
165	SP-10.30V or equivalent	Fuse	Nos	10	
166	VP1-1 2A 250V or equivalent	Fuse	Nos	10	
167	ASIP.436423.001 or equivalent	Unit P708-01	Nos	6	
168	OYUO.360.011TU or equivalent	Small Size Button KM2-1	Nos	2	
<b>RV-704 Time Relay</b>					
169	ASIP.408844.010 or equivalent	Time Switch Modlue	Nos	2	
170	TU No.872-66 or equivalent	Relay TKE52PDI	Nos	2	
<b>TS-702 Announceator</b>					
171	TU16-675.224-87 or equivalent	Lamp SM27-1.5	Nos	60	
172	DU0.242.001TU or equivalent	Holder PM-1	Nos	72	
173	Avo.364.047TU or equivalent	Plug RS10TV	Nos	4	
<b>EM-713 Electromagnet</b>					
174	ASIP.303659.013 or equivalent	Moving Contact ( Siliver Plating)	Nos	15	
175	ASIP.303659.016 or equivalent	Contact Plate ( Siliver Plating)	Nos	25	
176	ASIP.303659.017 or equivalent	Contact Plate ( Siliver Plating)	Nos	15	
<b>FG125,126,127 Head Lights</b>					

177	SU-3.371.101.TU or equivalent	Lamp A28-40	Nos	50	
178	FG125-3711221 or equivalent	Reflector in Assembly	Nos	8	
179	FG125-3711201 or equivalent	Head Light Lens	Nos	8	
180	FG125-371120B or equivalent	Head Light Lens	Nos	8	
181	FG115-3711230-B or equivalent	Casing in assembly	Nos	20	
182	FG115-3711206 or equivalent	Casing Holder	Nos	20	
183	FG125,126,127 or equivalent	Head Light Assys	Nos	5	
<b>Dom Light/ 64x Marker Lamp</b>					
184	NIV or equivalent	LAMP TN28-10	Nos	80	
185	NIV or equivalent	Glass for Dom Light	Nos	20	
186	NIV or equivalent	Protector for Dom Light	Nos	20	
187	NIV or equivalent	Plug For Dom Light	Nos	12	
188	NIV or equivalent	Micro Switch for Dom Light	Nos	12	
189	NIV or equivalent	Glass for Marker Lamp Red	Nos	10	
190	NIV or equivalent	Glass for Marker Lamp Green	Nos	10	
191	PMV/71/SK11 or equivalent	Dom Light Blue	Nos	5	
192	434.70.174sb or equivalent	Marker Lamp Green with Spring	Nos	10	
193	434.70.174sb or equivalent	Marker Lamp Red with Spring	Nos	10	
<b>Misc Items</b>					
194	NIV or equivalent	Bty Jumper Leads ( Copper)	Nos	10	
195	NIV or equivalent	Fuse 5 amp	Nos	10	
196	NIV or equivalent	Fuse cap for 5 amp	Nos	10	
197	NIV or equivalent	Fuse 10 amp	Nos	10	
198	NIV or equivalent	Fuse cap for 10 amp	Nos	10	
199	NIV or equivalent	Fuse 2 amp	Nos	10	
200	NIV or equivalent	Fuse cap for 2 amp	Nos	10	
201	NIV or equivalent	Horn Assy	Nos	6	
202	NIV or equivalent	Fuse 300 amp	Nos	30	
203	NIV or equivalent	Horn Push Button	Nos	2	
204	NIV or equivalent	Switch PPM-45	Nos	5	
205	NIV or equivalent	4 Diodes	Nos	5	
<b>Thermo Trip Switches</b>					
206	NIV or equivalent	AZR-15A	Nos	10	
207	NIV or equivalent	AZR-20A	Nos	10	
<b>TIM Time Interval Meter</b>					
208	AGI5.100.014 or equivalent	Assy DIU	Nos	3	
209	AGI5.103.048 or equivalent	Assy Convertor	Nos	3	
210	AGI5.105.051 or equivalent	Assy SB Unit	Nos	3	
211	AGI5.189.059 or equivalent	Assy Simulator	Nos	3	
<b>Stablizer Gunner Sight</b>					
212	AGI5.072.004 or equivalent	Correcting Device	Nos	5	
213	AGI5.072.001 or equivalent	Normalization Device	Nos	4	
<b>Y7K Electric Unit</b>					
214	AGI5.039.029 or equivalent	Amplifire	Nos	8	
215	AGI5.072.002 or equivalent	Correcting Device	Nos	10	
216	AGI5.103.052 or equivalent	Electronic Adjustment Device	Nos	10	



217	AGI5.121.082 or equivalent	Convertor	Nos	3	
218	AGI5.122.014-01 or equivalent	Regulating Device / Control Device	Nos	1	
219	AGI5.123.051 or equivalent	Stablizier	Nos	3	
220	AGI5.676.013 or equivalent	Threshold Device	Nos	6	
221	AGI6.120.540-01 or equivalent	Board (Complete)	Nos	6	
222	AGI6.371.214 or equivalent	Board P1	Nos	7	
223	AGI5.181.013 or equivalent	Dividing Device	Nos	3	
224	RSG 10 Tv Avo.364.047 TU or equivalent	Plug	Nos	3	
<b>View Finder</b>					
225	AGI6.730.946 or equivalent	Board A9	Nos	5	
<b>TVN-5 DNVD</b>					
226	AF6.120.436 or equivalent	Board	Nos	6	
227	AF6.120.437 or equivalent	Board	Nos	8	
228	AF6.120.438 or equivalent	Board	Nos	7	
<b>Periscopes / Vision Devices</b>					
229	TNPO-160 or equivalent	Driver Periscope	Nos	15	
230	TNPT-165A or equivalent	Gunner Periscope	Nos	10	
231	TNPT-3 or equivalent	Commander Periscope	Nos	5	
<b>Sensor D20</b>					
232	D30 or equivalent	Limit Sensor	Nos	6	
<b>527324.001 PD-1 Electric Motor</b>					
233	301111.014 or equivalent	Inductor	Nos	1	
234	684263.048 or equivalent	Armature	Nos	1	
235	685234.016 or equivalent	Brush	Nos	20	
236	686441.036 or equivalent	Brush rocker arm	Nos	1	
237	752459.005 or equivalent	Hubcap	Nos	2	
238	GOST 7242-81 or equivalent	Bearings 6-80203 T2C2	Nos	6	
239	GOST 7242-81 or equivalent	Bearings 7A180504E1 T2C15	Nos	6	
240	711353.006 or equivalent	Bushing	Nos	2	
241	GOST 393-79 or equivalent	Cotter pin 1.6x10.019	Nos	2	
<b>527334.010 Converter PT-800</b>					
242	423145.002 or equivalent	Regulator	Nos	6	
243	682639.024 or equivalent	Induction-coil	Nos	2	
244	684263.040 or equivalent	Armature	Nos	4	
245	685234.020 or equivalent	Brush	<b>Nos</b>	60	
246	GOST 7242-81 or equivalent	Bearings 6-80201 T2C2	Nos	20	
247	753633.011 or equivalent	Spring	Nos	40	
<b>527224.012 MBP-3N Electric Motor</b>					
248	684263.036 or equivalent	Armature	Nos	4	
249	685234.014 or equivalent	Brush	Nos	40	
250	or equivalent	Cap	Nos	2	
251	GOST 7242-8 or equivalent 1	Bearings 26-80200 T2C2	Nos	60	
252	GOST 7242-81 or equivalent	Bearings 26-80201 T2C2	Nos	60	
<b>527224.004 MV-42U (MV-42) Electric Motor</b>					
253	682639.004 or equivalent	Induction-coil	Nos	2	

254	684263.016 or equivalent	Armature	Nos	4	
255	731111.019 or equivalent	Brush holder	Nos	6	
256	or equivalent	Spring	Nos	6	
257	or equivalent	Brush G20 6.3X12.5X16 K13-2 FG4 1=40	Nos	20	
258	GOST 7242-81 or equivalent	Bearings 6-80201 T2S2	Nos	14	
259	GOST 7242-81 or equivalent	Bearings 6-80204 T2S2	Nos	8	
<b>527224.001 MN-1 Electric Motor</b>					
260	753633.013 or equivalent	Spring	Nos	12	
261	or equivalent	Brush Г20 6.3x12.5x16 K13-2 FG4 1=40	Nos	40	
262	GOST 7242-81 or equivalent	Bearings 6-80201 T2S2	Nos	10	
263	GOST 7242-81 or equivalent	Bearings 6-80204 T2S2	Nos	10	
264	685234.002 or equivalent	Brush	Nos	60	
<b>527334.005 MVP-2AU (MVP-2A) Electric Motor</b>					
265	682632.003 or equivalent	Induction-coil	Nos	2	
266	684263.018 or equivalent	Armature	Nos	5	
267	686441.020 or equivalent	Brush rocker arm	Nos	4	
268	731111.022 or equivalent	Brush holder	Nos	4	
269	753633.013 or equivalent	Spring	Nos	20	
270	741387.010 or equivalent	Brush rocker arm	Nos	2	
271	685234.008 or equivalent	Brush MGS-5 8x15x15	Nos	30	
272	GOST 7242-81 or equivalent	Bearings 6-80203 T2S2	Nos	10	
273	GOST 7242-81 or equivalent	Bearings 6-80204 T2S2	Nos	10	
<b>527334.001 MV-67 Electric Motor</b>					
274	301121.006 or equivalent	Induction-coil	Nos	2	
275	684263.001 or equivalent	Armature	Nos	2	
276	731111.018 or equivalent	Brush holder	Nos	4	
277	753633.011 or equivalent	Spring	Nos	8	
278	731111.013 or equivalent	Brush holder	Nos	6	
279	TU 16-88 ILEA 685211.037 TU or equivalent	Brush MGS-1 10x20x25 K8-2 FG4 L=32	Nos	30	
280	GOST 7242-8 or equivalent 1	Bearings 6-80201 T2S2	Nos	8	
281	GOST 7242-81 or equivalent	Bearings 6-80204 T2S2	Nos	8	
<b>ED-76.003 Electric Motor IUS -0.12 (ED -76)</b>					
282	684263.023 or equivalent	Armature	Nos	2	
283	685234.001 or equivalent	Brush	Nos	24	
284	686443.001 or equivalent	Brush-rocker	Nos	4	
285	GOST 7242-81 or equivalent	Bearing 6-80029T2C2	Nos	8	
286	GOST 7242-81 or equivalent	Bearing 6-80202T2C2	Nos	8	
<b>TS702</b>					
287	TUBING 16-675.224-87 or equivalent	Lamp SM 27-1.5	Nos	150	

**Annexure 'B'**  
**IT No. 4997/IT-3053/19-20/CP-II/ASRF/ Proc**  
**Dated 30 October 2019**

**AFFIDAVIT**

**NO BLACK LISTING CERTIFICATE**

It is certified that M/s \_\_\_\_\_ have never been blacklisted with any Govt / Semi Govt / Defence Organization / PPRA / KPK PPRA / Punjab PPRA / Sindh PPRA within or outside Pakistan.

\_\_\_\_\_  
(Designation, Signature & Stamp)

\_\_\_\_\_  
(Signature & Stamp of Notary Public)

**SPECIMEN OF BANK CREDIT LINE**

It is certified that we \_\_\_\_\_ (Bank's name) commit to provide M/s \_\_\_\_\_ (Firm's name) a credit line amounting \_\_\_\_\_ (amount in figures as well as words) exclusively for the supply of items against pre-qualification IT no IT No. 4997/IT-3053/19-20/CP-II/ASRF/Proc dated 30 October 2019 of HIT, Taxila (if required / demanded by M/s \_\_\_\_\_ (Firm's name), as per our terms and conditions.

The said credit line shall be available within fifteen (15) calendar days after receipt of demand notice from the supplier i.e M/s \_\_\_\_\_ (Name of the supplier) and such credit line shall be maintained until the supply against the contract/project awarded is fully completed by the above said contractor/ supplier.

This certification is being issued in favour of above said supplier i.e M/s \_\_\_\_\_ (Name of the supplier / contractor) in connection with the bidding requirement of HIT, Taxila against their pre-qualification IT number 4997/IT-3053/19-20/CP-II/ASRF/Proc dated 30 October 2019. We are aware that any false statement issued by us shall make us liable for perjury.

Name and Signature of Authorized : \_\_\_\_\_

Officer of the Bank

Official Designation : \_\_\_\_\_

Date/Seal of Bank : \_\_\_\_\_

Note: - The amount committed should be machine validated.

\_\_\_\_\_  
(Seal/sign of the concerned bank)

**AFFIDAVIT**

**NO LITIGATION CERTIFICATE**

It is certified that M/s \_\_\_\_\_ have no litigation history where decision went against the firm anywhere within or outside Pakistan.

OR

It is certified that M/s \_\_\_\_\_ have following litigation history:-

- a.
- b.
- c.

\_\_\_\_\_  
(Designation, Signature & Stamp)

\_\_\_\_\_  
(Signature & Stamp of Notary Public)