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तार : बार्क-मुंबई, चेम्बुर.
TELEGRAMS: BARC-MUMBAI, CHEMBUR.
टेलिक्स : ०११-६१०१७/०११-६१०२२ बार्क ईन
TELEX: 011-61017/011-61022 BARC IN
फेक्स संख्या : ९१-२२-५५६०७५०
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सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र
BHABHA ATOMIC RESEARCH CENTRE
Research Reactor Maintenance Division

ट्राम्बे,
मुंबई-४०० ०८५
TROMBAY,
MUMBAI-400 085.

Ref no: RRMD/ TR-1/TN-03/2023

February 07, 2023
08

Tender Enquiry

Sub: Proposal for Annual Maintenance Contract (AMC) for Forklifts (3 nos.); Transloaders (4 no); Electric Vehicle 4 seater plus Cargo (1 no.) & Electric Vehicle truck 2T Capacity (1 no.) at Dhruva Complex.

Sealed quotation /offer is invited for and on behalf of the President of India for "Annual Maintenance Contract (AMC) Forklifts (3 nos.), Transloader (4 no), Electric Vehicle 4 seater plus Cargo (1 no.) & Electric Vehicle truck 2T Capacity (1no.) at Dhruva Complex ", as per the terms and conditions given below, so as to reach this office latest by 15.00 hrs. on 22-02--2023, super scribing 'QUOTATION' and our tender ref. no on the envelope.

The quotation shall be in the **format of attached schedule B** and sent only through **registered post/speed post through Indian postal services addressed to APO, RRMD, BARC, Trombay, Mumbai-400085. Hand delivery or Courier will not be accepted.**

The quotation shall include the Ref. no. of this enquiry, **PAN no. and GST no. of the firm.** The schedule of work, Scope and the terms and conditions are given below.

1. DESCRIPTION OF THE WORK:

In Dhruva and Cirus complex, there are three forklifts (3 ton capacity each); four transloaders (1 no. x 4 ton, 1 no. x 2 ton & 2 nos. x 3 ton capacity); Electric Vehicle 4 seater plus Cargo (1 no.) & Electric Vehicle truck 2T Capacity (1no.) available for material handling purpose. These are battery driven and supplied by M/s Macneill Engineering Ltd & M/s Jaldoot Material Handling Pvt. Ltd respectively.

AMC of these forklifts , transloaders & Electric Vehicles includes bi-monthly preventive and breakdown maintenance of electrical, electronics & mechanical components. The maintenance activities like- visual inspection, checking and repair or replacement of oil replacement, cleaning of

components, engine related components, accelerator, breaks, steering, motor related issues etc. as per the given in tender specification.

2. SCOPE OF WORK:

2.1 AMC of Battery Operated Forklift (3 Nos.), Transloaders- 4 nos., Electric Vehicle 4 seater plus Cargo (1 no.) & Electric Vehicle truck 2T Capacity (1no.)

General ;

- a) Thorough cleaning, lubrication and servicing of various parts of the equipment.
- b) Replacement of parts, if needed, parts will be supplied / arranged by contractor and payment will be made as per the approved rate list.
- c). Maintenance work to be carried out during the period of Service contract.
- d) During every routine service, the contractor's service engineer shall perform preventive maintenance, which shall include functional checking, necessity adjustments, tune-ups, & cleaning.
- e) The service engineer from contractor's end shall prepare detailed service-report with necessary check-lists & get the same approved from engineer-in-charge (EIC) from BARC's end, on every visit.

Battery:

- a) Checking acid level, specific gravity, cable and cable connection- cleaning and rectification etc.

Electrical Circuit :

- a) Checking contactor Panel Fuses, Checking for loose connections and breakages, and repairing if needed

Electrical Components:

- a) Checking and repairing if needed of electrical components : Fuses, sequence of operations, Micro switches, Accelerator, Circuit continuity, Horn and lighting systems etc.

Mechanical:

- a) **Hydraulic Brakes:** Checking master cylinder oil level, topping up and rectification of leaks if any. Checking brake function, adjusting brake cable and repair if needed.
- b) **Mechanical Brakes:** Checking and repairing if needed
- c) **Hydraulic system:** Checking filter and dipstick-repair/replace and topping up. Adjusting control valve operation and repair if needed. Checking Pump operation and repair if required.
- d) **Jacks:** checking for creep and checking condition and repair if needed.
- e) **Mast & Carriages:** Cleaning, Lubrication, Greasing and Adjustment of Mast channels
- f) **Lift Chain:** Cleaning, Checking, Adjusting Tension, Greasing and checking for cracks
- g) **Seat:** Adjustment of locating handle
- h) **Wheels:** Checking tightness of Hub nuts & Checking Tires & replace if required
- i) **Steering:** Checking for ease of steering & Hydraulic system and attend if necessary
- j) **Forks & Boards:** Checking Forks and platform for cracks or Boards

2.2 No. of Visits & Persons:

One visit per forklift and one visit per Transloader once in two month shall be made by the contractor (Total 6 visits in a year per forlifts and Transloader repectively).

Total no. of visits shall be a minimum of 54 visits (6 visits each for 9 equipments).

Party needs to arrange **at-least two service engineers / skilled mechanics** during every visit & all the equipments need to be attending in every quarter for carrying out AMC.

2.3 EMERGENCY CALL: Emergency/Breakdown calls from the user Department should be attended immediately but not later than 24 hours at no extra cost.

The forklifts and transloaders shall be maintained throughout the AMC period so that all the equipments shall be available for use without any trouble or oil leak etc.

2.4 Replacement of spare parts:

If any spare part is found defective & needs replacement, the spare parts shall be supplied & replaced by the contractor after written approval of E.I.C. The list of probable spares is given in Annexure-1. Any other recommended spares for each model shall be included by the vender in spare part list, (other than mentioned part list) at the time of bid submission. The rate of spare parts list should be submitted along with the quotation. The cost of the spare parts replaced during the currency of the contract will be paid extra at actual. However, the parts may be replaced with approval of user department regarding the reasonableness of cost and necessity of replacement. No additional labour charges will be paid for replacement of parts.

3.0 Terms and Conditions:

3.1 The quality of workmanship shall conform to high engineering standards and strictly as per instructions of engineer in charge (EIC) of job.

3.2 The contractor shall make arrangements for all the necessary Tools, tackles, equipments, consumables etc., required for the job.

3.3 The work shall be started within 15 days after the receipt and acceptance of work order.

3.4 All the Personnel brought for the work shall have valid Police Verification Certificates. As per prevailing security regulations, the contractor is required to obtain valid entry passes from the security section for working inside BARC, for which related documents will be required to be submitted.

3.5 The contractor may visit the site in advance and familiarize himself with the quantum of work.

3.6 All the workers arranged by the contractor shall be physically and mentally fit. All the Industrial Safety standards shall be followed and all safety gadgets as per safety engineer shall be arranged by the contractor. Department shall not be responsible for any untoward incident during the work.

4.0 Payments Terms & condition:

4.1 Payment:

a) Payment shall be made on quarterly basis.

b) Please forward your **invoice in triplicate indicating the service contract number and date, for arranging payment.**

c) 100% payment for spares will be released immediately on receipt of bill duly certified by the user department indicating the spares have been actually replaced and rates are reasonable.

- d) Income tax @ 2% will be deducted from the bill.

4.2 Bills

- a. Bill and cash receipts for payment may be forwarded to the undersigned indicating our contract number for record.
- b. Bill for spares replaced during the service contract period may please be forwarded to Head of the Division, BARC duly certified by the user department that the spares have been actually replaced and cost is reasonable.
- c. Work order number, period of contract & payment in respect of quarterly shall be mentioned on the bill and submit following documents:
 - i. Original Bill in duplicate
 - ii. Taxes need to be shown separately in the bill.
 - iii. Advance stamped receipt.
 - iv. GSTN & PAN number to be indicated in the stamped invoice.
- d. Payment will be made only through ECS/Core Banking System. Hence, please furnish the bank details such as Bank's name & address, A/c No. and IFSC code in the invoice.
- e. BARC is the final consumer of the goods/services procured and does not intend to make any outward supply. BARC will not avail the benefits of Input Tax Credit and hence, the goods can be supplied without quoting the GSTIN of BARC, Mumbai on the invoice. The invoices taxed under GST, as per rates applicable under the GST Schedule of Rates, shall be admitted for payment.

4.3 Completion Report:

- a. A completion report may please be forwarded to this Office with copy to the user department after completion of the last servicing but well before the expiry of the contract certifying that the equipment have been serviced as per the terms and conditions of the contract and also with your proposal for extension of the contract if any, indicating our contract No. and date for our consideration.
- b. Please ensure that our service contract number is quoted in all correspondences and bills etc.
- c. Kindly acknowledge receipt and confirm that the servicing repair will be carried out in terms of the contract.

5.0 CONFIDENTIALITY CLAUSES.

5.1 Confidentiality :

No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "**Proprietary**" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force.

5.2 "Restricted information" categories under section 18 of the Atomic Energy Act, 1962 and "Official Secrets" under Section 5 of the Official Secrets Act, 1923 :-

Any contravention of the above mentioned provisions by any contractor, sub-contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.

5.3 Prohibition against use of BARC's name without permission for publicity purposes :-

The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like Press, Radio, T.V. or Internet without the prior written approval of BARC.

6.0 SECURITY INSTRUCTIONS

Please indicate whether any of your relatives are employed in BARC or you or any of your employees were employed in BARC or any other units of DAE.

7. General:

- 7.1 The acceptance of the tenders will rest with Head, RRMD who does not bind himself to accept the lowest offer, and reserves to him the authority to reject any or all the tenders received without assigning any reason.
- 7.2 The contractor is specifically requested to visit the site and familiarize himself with the location and facilities available for this work and obtain any other information which may influence or affect this tender, before submitting quotation.
- 7.3 Quotation received after the due date and time shall be summarily rejected.
- 7.4 You may contact Shri Mayank Agarwal, SO/F / Shri K Rama Varma, SO/G, at Telephone No. 25596237, 25594622, for further clarifications.

Thanking you,

Yours faithfully,

Maintenance Superintendent (Mech)
(For and on behalf of the President of India)

Enclosures: 1. Schedule – A
2. Schedule – B
3. Annexure-1 (Spare Part list)

मनोज तिलारा / Manoj Tilara
अनुरक्षण अधीक्षक (यांत्रिक) / Maintenance Super (Mechanical)
अनुसंधान विक्टर अनुरक्षण प्रभाग / RRMD
भाभा परमाणु अनुसंधान केंद्र / Bhabha Atomic Research Centre
भारत सरकार / Government of India
ट्रॉम्बे, मुंबई / Trombay, Mumbai - 400 085.

Schedule A

Schedule showing the materials to be supplied to the extent available by Bhabha Atomic Research Centre for work contracted to be executed.

Serial no	Particulars	Quantity	Unit	Amount
1.	Electricity (415 V, 3 Ph & 240V 1Ph)	At one point	-	Free of cost
2.	Compressed air (6 kg/cm ²)	-do-	-	-do-
3.	Water (6 kg/cm ²)	-do-	-	-do-

Format for item rate and quantities /Schedule – B

Sno.	Description	Qty.	Rate (per year per forklift / Transloader)	Amount
1	M/s Macneill Engineering Ltd Forklift Model Ranger - 1030, 3Ton Capacity (Maintenance Frequency once in two monthly)	3		
2	M/s Macneill Transloader Model: Transloader 2140 EN, capacity 4 Te capacity (Maintenance Frequency once in two monthly)	1		
3	M/s Jaldoot Battery Loader HFHP -3 Te capacity (Maintenance Frequency once in two monthly)	2		
4	M/s Jaldoot Battery Loader SFHP -2 Te capacity (Maintenance Frequency once in two monthly)	1		
5	M/s Auto Power Make, Model AP-203	1		
6	M/s Jost Make Battery Operated truck 2 Te	1		
			Amount	
			GST @	
			Total Amount	

Total in words:

AMC Consumable / Spares.

	The rate of the spare parts probable to be replaced during the work will be paid extra at actual.	The spare part rate list will be Approved before placement of order.
	The cost of spares that may be consumed during AMC (The list of spare part item along with cost to be quoted.)	

Signature of the contractor with seal

Note: Signature of the contractor with seal and GST number shall be given on quotation.

Annexure -1

1. The list of spare part item along with cost for **Forklift Model: Ranger 1030**

SR. NO.	DESCRIPTION OF SPARE PART	PART NO.	RATE (RS.) EACH.
1	Tyre Cushion Rear	K501319	
2	Front Tyre	K501368	
3	Motor Mounting	0110800	
4	Seal Kit Hydraulic Pump	Z034900	
5	Service Kit For Master Cylinder	Z026700	
6	Seal Kit C.V. (2 Sec.)	1084200	
7	Brake Shoe & Liner	1119300	
8	Element Filter	3034200	
9	Service Kit For Tilt Cylinder	1220300	
10	Bush Metalastic	K511704	
11	Wheel Cylinder Service Kit	Z007500	
12	Buffer Metalastic	0110900	
13	Hydraulic Filter	1105002	
14	Horn Push	0350902	
15	Brush Traction Motor -10 HP	1227100	
16	Gaco Tube	K280608	
17	Carbon Brush Pump Motor (3 HP)	1177700	
18	Joint Ball R.H.	0140001	
19	Joint Ball L.H.	0140002	
20	Ball Joint	K503910	
21	Fuse Traction	Z104200	
22	Contact Tip Hydraulic Fixed	Z104600	
23	Contact Tip Hydraulic Moving (Kit)	Z104500	
24	Contact Tip Bypass Fixed	Z104400	
25	Contact Tip Bypass Moving	Z104300	
26	Reversing Switch With Loom	Z098200	
27	Accelerator Potentiometer	Z102700	
28	Contact Tip Fixed F/R SW 180, SW 182	Z103500	
29	Unit Cooling Fan	23105	
30	Contact Hydraulic 72 V.	Z111200	
31	Hose Assy.	-----	
32	Moving contact Assy. FW/RW	Z102800	
33	Assembled NC fixed contact DC 182	Z114300	
34	12 Pole plug & socket	0143000	
35	Resistor-1 (500 Ohms /5 W)	-----	
36	Resistor-2 (256 Ohms /5 W)	-----	
37	Brake Tube	207901	
38	Encoder	-----	
39	Controller	-----	
40	Servo Brake Fluid DOT 3 Plus		
41	Master Cylinder Assembly	1106701	
42	Lift cylinder seal kit	-----	
43	Wheel Cylinder Assembly	-----	

2. The list of spare part item along with cost for **Transloader, Model 2140 EN**

<u>Sr. No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Rate (Rs.) Each</u>
1	Brake Shoe Assy.	Z039700	
2	Carbon Brush	1226700	
3	Fuse 500 Amps	K512612	
4	Tyre Cushion	K501308	
5	Nylon Connector	0302404	
6	Buffer Metalistic	0110900	
7	Master Cylinder Service Kit	Z026700	
8	Bush Metalastic	K511704	
9	Wheel Cylinder Kit Garling	--	
10	Key Switch	0116400	
11	Horn Push	0350902	
12	Horn 24V.	0302701	
13	Moving Contact	0142400	
14	Fixed Contact	0142500	
15	Assembled Top Cover for DC 182 F/R Conta.	Z129900	
16	Wheel Cylinder Assembly	-----	

3. The list of spare part item for **JALDOOT Make Battery Operated Pallet Truck, Model No. HFHP & SFHP**

<u>Sr. No.</u>	<u>Description</u>	<u>Part No.</u>	<u>RATE (RS.) EACH.</u>
1	Hand Brake Cable	50063300	
2	Seal Kit Master Cylinder	50009500	
3	Master Cylinder	50009400	
4	Brake Shoe Linner	50067630	
5	Thrust Bearing	BTH 00001	
6	Wheel Cylinder Seal Kit	50067640	
7	Oil Seal (Ø72 X Ø40X 10 THK)	OSR00008	
8	1 8 X 5 TYRE	50033800	
9	Fixed Contact	50071150	
10	Moving Contact	50071140	
11	Forward / Reverse Contractor	50072980	
12	Kdc 88 Fixed Contactor	50073370	
13	Kdc 88 Moving Contact	50073380	
14	Horn	50024600	
15	POT 0-5 K	50059700	
16	Tail Lamp	50070200	
17	Wheel Cylinder Assembly	-----	

TAXES : GST AS APPLICABLE

Note: Part list & rate list for Battery Operated Vehicle 4 seater plus Cargo (1 no.) & Battery operated four wheeler truck 2T Capacity shall be provided by Bidder along with Quotation.