

Partha Sarathi Dash

From: Partha Sarathi Dash <parthasd@bhel.in>
Sent: Tuesday, 12 August, 2025 04:52 PM
To: 'Partha Sarathi Dash(Engineer/9750_L&D/BAP)'
Cc: Mallikarjun Nayak(Manager/U APH & FANS/BAP); 'Santosh Kumar'; 'regisregon@bhel.in'; 'Ramesh V'
Subject: Email enquiry for SERVICING & DYNAMIC TESTING OF PA FAN HAD 336/50 (S.NO. IY-394) WITH MANDATORY SPARES & DAMAGED SPARE - reg.
Attachments: TENDER DOC.pdf

Sir,
SERVICING & DYNAMIC TESTING OF PA FAN HAD 336/50 (S.NO. IY-394) WITH MANDATORY SPARES & DAMAGED SPARE is to be carried out at your works, a tender (**single tender and single part bid basis**) has been floated and the tender documents are attached herewith. Kindly go through the tender details and submit your best offer through email at the earliest. Attached tender document and commercial terms form to be submitted with filled, signed and sealed.

Regards,
Partha Sarathi Dash
Senior Engineer/Purchase
BHEL BAP Ranipet
Mob: 9843468211
Office No. 04172284133

SCOPE OF SUPPLY
ITEMS TO BE SUPPLIED IN THIS BID

Bidder to sign and stamp all pages in this document and upload, as an agreement to supply each of below items.

Sl. No.	Description	Unit	Qty.	Destination	Delivery period
1.	SERVICING & DYNAMIC TESTING OF PA FAN HAD 336/50 (S.NO. IY-394) WITH MANDATORY SPARES & DAMAGED SPARE (1. FEED SHAFT- 1 NO., 2. OIL GUIDE BUSHING- 1 No., 3. OIL GUIDE SLEEVE- 1 No., 4. BUSHING- 2 NOs., 5. RING- 1 NO., 6. LOCK NUT-1 NO., 7. BEARING BUSHING- 1 NO., 8. SERVO VALVE ASSY- 1 SET consist of a. Guide bush b. Control sleeve c. Control piston, 10. ROD- 1 NO.) Material code A152255533401001	NO	1	BHEL/BAP STORE/RANIPET	60 days from the date of PO.

Scope of supply: Offer from M/s. Iyappan Engg. Industries Pvt. Ltd.Chennai. only will be considered for this tender.

Note: Quality Requirements – SQP attached. BHEL SQP is to be followed.

Tender: Single Tender and single-part bid basis.

Delivery Terms: FOR destination

Destination: Manager, STORES, BHEL BAP RANIPET- 632406, TN

Documents to be submitted along with the offer:


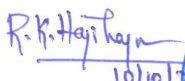

- 1) Technical bid and Price bid
- 2) Commercial Terms Form with filled & signed (Attached).
- 3) GSTN Certificate.
- 4) PAN details.
- 5) Udyam Certificate.

Certificates Required:

- 1) Guarantee certificate.
- 2) Test Certificate/COC

Sign & Stamp of bidder

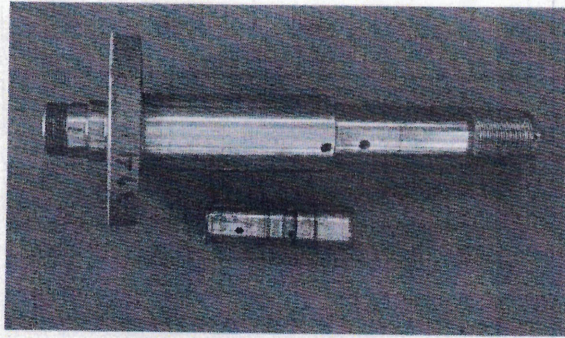
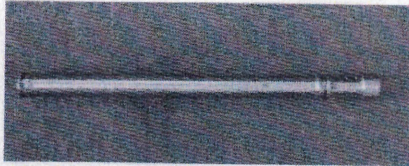
(By signing this I/We agree to follow all technical documents and drawings applicable for these above items and tender in total)

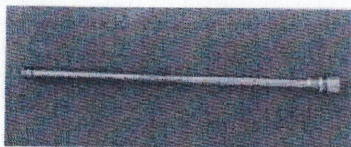
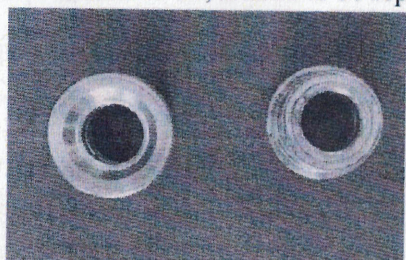
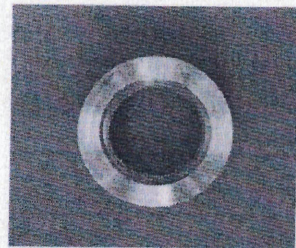
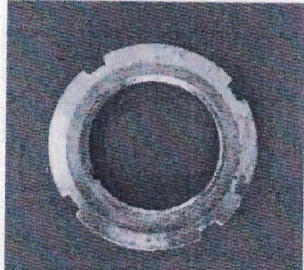
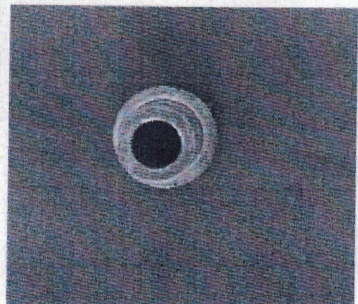
 <p>Manufacturer's Name & Address :- Iyappan Engineering Industries Private Limited Developed Plot No: 107/A, 5th Street, 1st Sector, Sidco Industrial Estate, Ambattur, Chennai-600 098</p>		<h2 style="text-align: center;">MANUFACTURING STANDARD QUALITY PLAN</h2>									
		Description: Servicing of Hydraulic Adjusting Device Size: Ø 336/50 mm , Ø 200/50mm , Ø 336/100mm, Ø 415/100 mm & Ø 400/125 mm Stroke			QP. No : IY/ QP/ 450/ BHEL - Ranipet/ 2023 QP. Date: 10/10/2023			Standard Quality Plan Valid for Three Years from the Date of approval by Customer			Page No : 01 of 01
SL. NO	COMPONENT AND OPERATION	CHARACTERISTICS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY			REMARKS
1	2	3	5	6	7	8	9	**10			11
1.0 OPTIONAL SPARES AND MANDATORY SPARES							D	M	C		
1.1	Optional Spares – Machining Components	Verification of Dimension Reports	Measurement	100 %	BHEL Drawing	Dimension Reports And Compliance Certificate	✓	P	V		
1.2	Mandatory Spares	Verification of IEIPL's Compliance Certificate	—	—	—	IEIPL's Compliance Certificate	✓	P	V		
2.0 FINAL INSPECTION AND TESTING											
2.1	Assembly of Hydraulic Adjusting Device	Visual Inspection	Visual Inspection	100%	BHEL Drawing	Test Report	✓	P	W		
2.2	Final Inspection and Testing	Performance Test	Static and Dynamic Test	100 %	As per BHEL Specification and Test Report – TFN 347 Latest		✓	P	W		
3.0	PACKING AND PRESERVATION <ul style="list-style-type: none"> All Machined Surfaces shall be applied with one coat of rust preventive oil and ports are plugged. All Un-machined surface shall be applied with primer to (IS-2074-DFT-25 Microns) & two coating of yellow spray paint. HAD has to be packed in wooden box properly after covering with Bubble wrap and arresting movement during transit. 										
PREPARED BY  R.K. HARIHARAN INSPECTOR - QC		APPROVED BY  R. MANIVANNAN INCHARGE - QC		LEGEND: <ul style="list-style-type: none"> Records identification with (✓) shall be essentially included in QA Documentation ** M: Manufacturer / Sub Contractor C: Customer V: Verification P: Perform W: Witness 			<div style="border: 2px solid red; padding: 5px; display: inline-block;"> Approved on 12.10.2023 </div>				
SIGNATURE WITH DATE					NAME & SIGN OF APPROVING CUSTOMER AUTHORITY AND SEAL (BHEL –RANIPET)						

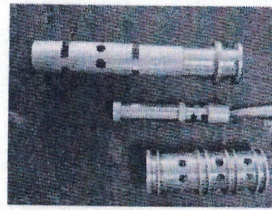
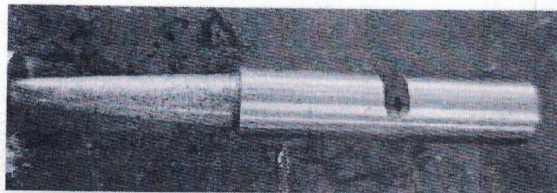
IYAPPAN ENGINEERING INDUSTRIES PRIVATE LIMITED**AMBATTUR, CHENNAI-600 098****Date:** 25/04/2025**Dismantling Inspection Report****From:** Quality Control**Ref.** IY/ S/BHEL –RANTPET/ O157/ 2425. **DT:** 27.03.2025

Servo Motor – Ø336/50m (Sl. No: IY-394) - 1No. Came for servicing from **M/s. BHARAT HEAVY ELECTRICALS LIMITED- Udangudi, Tuticorin**. And we have dismantled the assembly on 25/04/2025.

The following items were damaged and worn-out in the assembly.

SL.NO	ITEM DESCRIPTION	QTY	REASON WITH PHOTOS
1.	Feed Shaft	1 No	Broken observed so, it need to be replaced 
2.	Oil Guide Bushing	1 No	Got Bend- so, it need to be replaced 

3.	Oil Guide Sleeve	1 No	Got Bend- so, it need to be replaced 
4.	Bushing	2 No's	Got Own-out- so, it need to be replaced 
5.	Ring	1 No	Got Own-out- so, it need to be replaced 
6.	Lock Nut	1 No	Got Damage- so, it need to be replaced 
7.	Bearing Bushing	1 No	One time use- so, it need to be replaced 

8.	Servo Valve Assy Guide Bush Control Sleeve Control piston	1 Set	Got Own-Out- so, it need to be replaced 
9.	Rod	1 No	Got Damage- so, it need to be replaced 

In addition to the above items, mandatory spares will be replaced. Kindly get the Consent letter for spare replacement take up the servicing.

M/s. BHEL - Ranipet

Zeeshan Ali
Digitally signed by Zeeshan Ali
DN: cn=Zeeshan Ali, o=BHEL, email=zeeshan.ali@bhel.co.in, c=IN

Mr. Zeeshan Ali – Deputy Manager/QC Proc

Mr. Vinoth Kumar S. - Manager/FES/Fans

M/s. IEIPL

Mr. R. Manivannann – Manager QC

Mr. P. Ramu - Senior Executive NPD



IYAPPAN ENGINEERING INDUSTRIES PRIVATE LIMITED**CHENNAI-600098.****HAD 50MM STROKE:**

Mandatory Spares of All Rubber Items, Bearings, Damaged Screws, Lock Washer, Snap ring, Castle Nut.

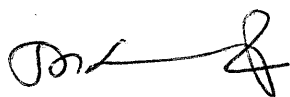
1) RUBBER ITEMS:

SL.NO	DESCRIPTION	SIZE	QTY/ASSY
1.	O RING	Ø 10 x 2	1
2.	O RING	Ø 16 x 3	1
3.	O RING	Ø 15 x 2	1
4.	O RING	Ø 15 x 2.5	1
5.	O RING	Ø 40 x 2	1
6.	O RING – 336/50mm only	Ø 340 x 6	1
7.	O RING	Ø 29 x 3	4
8.	O RING	Ø 38 x 3	2
9.	O RING	Ø 44.2 x 3	1
10.	O RING	Ø 55 x 3	2
11.	O RING	Ø 9 x 2	2
12.	O RING	Ø 9 x 3	1
13.	O RING	Ø 26 x 3	1
14.	O RING	Ø 42 x 2.5	1
15.	O RING	Ø 20 x 5	2
16.	O RING	Ø 25 x 2.5	2
17.	LIP SEAL	Ø 50 x Ø 60 x 10	2
18.	LIP SEAL – 336/50mm only	Ø 320 x Ø 336 x 8	2
19.	RADIAL SHAFT SEAL	Ø 40 x Ø 52 x 7	1
20.	RADIAL SHAFT SEAL	Ø 30 x Ø 40 x 7	1
21.	POT SEAL	31/32.5 x 6 / 8	1

2) BEARINGS:

SL.NO	DESCRIPTION	SIZE	QTY/ASSY
1.	DEEP GROOVE BALL BEARING	6007 MC3	1
2.	DEEP GROOVE BALL BEARING	6206 MC3	1
3.	DEEP GROOVE BALL BEARING	6200	1

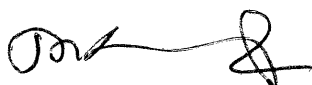
For IYAPPAN ENGG. INDUSTRIES PVT. LTD.




M. RAJAMANICKAM
Managing Director

3) SCREWS:**SET OF SCREWS**

SL.NO	DESCRIPTION	SIZE	QTY/ASSY
1	HEX. SOCKET CAP SCREW	M10 x 25	20
2	HEX. SOCKET CAP SCREW	M10 x 35	6
3	HEX. SOCKET CAP SCREW	M6 x 16	24
4	HEX. SOCKET CAP SCREW	M6 x 30	6
5	HEX. SOCKET CAP SCREW	M8 x 20	2
6	HEX. SOCKET CAP SCREW	M8 x 50	4
7	HEX. SOCKET CAP SCREW – 200/50mm only	M8 x 35 – 200/50	4
8	HEX. SOCKET CAP SCREW – 336/50mm only	M8 x 30 – 336/50	4
9	SOLID DOWEL PIN	DIA 8X40	1
10	SOLID DOWEL PIN	DIA 4X20	2
11	GRUB SCREW	M8X40	2
12	GRUB SCREW	M6X20	1
13	LOCK WASHER	M6	31
14	LOCK WASHER	M8	8
15	LOCK WASHER	M10	9
16	LOCK WASHER	MB 7	1
17	SNAP RING 39		1
18	CASTLE NUT M6		1



For IYAPPAN ENGG. INDUSTRIES PVT. LTD.
M. RAJAMANICKAM
Managing Director

For IYAPPAN ENGG. INDUSTRIES PVT. LTD.


M. RAJAMANICKAM
Managing Director

ANNEXURE –“A”

ENQUIRY No. SERVICING & DYNAMIC TESTING OF PA FAN HAD 336/50 (S.NO. IY-394)

COMMERCIAL TERMS AND CONDITIONS

(To be filled in full and to be submitted along with offer)

SL. NO	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
01	PRICE	Firm till completion of order.	
02	DELIVERY TERMS	FOR, DESTINATION (BHEL, BAP, Ranipet-Stores)	
03	PACKING & FORWARDING	Whether included in basic price or Extra.(if extra, indicate in %age)	
04	FREIGHT & INSURANCE	Whether included in basic price or Extra. (if extra, indicate %age)	
05	GST	Applicable GST to be indicated by supplier. (IGST/SGST/CGST/UTGST) (Applicable on basic price)	
06	MSME STATUS (MICRO/SMALL/MEDIUM)	To be indicated by supplier.	
07	PAYMENT	For MSE vendors 100% within 45 days after receipt & acceptance of materials at our end. For NON - MSE vendors "100% within 90 days of receipt and acceptance of materials at our stores". (Please confirm your acceptance for the same. In the event of any deviation in the above payment terms the following loading on your base rate will be done as below." Base rate of SBI (as applicable on the date of techno commercial bid opening) + 6% shall be considered for loading for the period of relaxation sought by you")	
08	DELIVERY PERIOD	To be indicated by supplier (In terms of no of weeks/days form the date of PO)	
09	L.D. CLAUSE	As indicated in Enquiry (as per IMPORTANT NOTE) Confirmation L.D. clause as indicated in Enquiry @ 0.5% per week subject to a maximum of 10% for the delayed delivery. (In case any bidder is not accepting the above penalty for delayed Supply, the offer of bidder shall be loaded to the extent to which it is not agreed by the bidder. Example: If the Supplier has accepted for maximum 5% penalty clause, then balance 5% will be loaded for evaluating lowest bidder)	
10	OFFER VALIDITY	Minimum 90 days from the date of Technical bid opening	
11	INSPECTION BEFORE DESPATCH	Will be done at Your Works Before Dispatch No Extra cost shall be offered	
12	TEST CERTIFICATE	Required @ no extra cost	
13	GUARANTEE CERTIFICATE (Period: 12 months from the date of commissioning (or) 18 months from the date of supply which ever is earlier.	Required @ no extra cost	
14	INSTALLATION & COMMISSIONING	Supplier's scope (if required, please indicate charge per man day inclusive of to & fro, lodging, boarding to site on lump sum basis)	Not Applicable
15	PERFORMANCE BANK GUARANTEE (10% OF RDER VALUE)	Not Applicable.	Not Applicable
16	O&M MANUAL	Not Applicable	Not Applicable
17	RISK PURCHASE	SPECIFICALLY CONFIRM YOUR ACCEPTANCE	Not Applicable
18	Reverse Auction (RA)	Reverse Auction is not applicable.	Not Applicable
19	HSN # No of products	To be indicated for each product	
20	GST registration no	Supplier to indicate GST registration no of firm	
21	MANUFACTURING PLACE & COUNTRY	To be indicated by supplier.	

SIGNATURE WITH SEAL

ANNEURE – “B” TO ENQUIRY NO:
 REQUIREMENT OF TECHNICAL DETAILS /CONFIRMATION
 (To be filled in full and to be submitted along with offer)

S.NO	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
01	SPECIFICATION	Clause wise / Point wise confirmation to be given in TOTO for all specifications& to be submitted along with offer. (i.e. Xerox copy of specn duly filled with your acceptance / comments duly signed & sealed).	
02	DATA SHEET / DRGS	Filled Data Sheet and your Drgs are to be submitted along with offer. (if applicable).	
03	QUALITY PLAN	BHEL SQP to be followed	
04	SPECIFICATION DEVIATION DISPOSITION REPORT (SDDR)	Attached SDDR to be filled & submit along with offer. (Even NO deviation is taken, NIL report to be submitted).	

Date:

SIGNATURE WITH SEAL

(to be submitted along with the offer)

SPECIFICATION DEVIATION DISPOSITION REPORT			
Specn		Item	
Eng. No & Date			
Vendor Name			
SPECN			
Page	Clause	Details Of Deviation With Reason	Disposition By BHEL
Signature Of Vendor			Reviewed By
“AGREED DEVIATION “ if any to be incorporated in the PO in the event of order.		APPROVED BY	