



राष्ट्रीयसमुद्रप्रौद्योगिकीसंस्थान  
NATIONAL INSTITUTE OF OCEAN  
TECHNOLOGY

संविदा आमंत्रण सूचना(नि.आ.सू.)  
**NOTICE INVITING TENDER (NIT)**

फ़ार्म संख्या: NIOT/S&P/NIT  
Form No.

**GEM-Tender Schedule**

निविदा संख्या/ Tender No.	<b>NIOT/S&amp;P/DSM/25799/2024-25</b>
कोजारी Issued To	<b>Hydraulic Valve – NG10 – 60 lpm and Valve amplifiers (Specific Brand – Rexorth)</b>
निविदाप्रणाली/Tender Mode	<b>GEM – Custom Bid</b>
बोली का प्रकार एवं निविदा प्रस्तुतिकरण Bidding Type & Tender submission	Single Part Tender comprising of Technical Bid and Price Bid should be submitted electronically through GeM portal <a href="https://gem.gov.in">https://gem.gov.in</a>
निविदा प्रलेख उपलब्धता स्थान Documents available place	Bidders may download the help documents. Helpdesk number : Number: 1800-419-3436 E-Mail: <a href="mailto:helpdesk-gem@gov.in">helpdesk-gem@gov.in</a> For any issues / clarifications relating to the tender(s) published kindly contact the respective Tender Inviting Authority.
अपने प्रश्न ई मेल आईडी पर भेजें Send your queries to the email IDs	निविदा के अंतिम चरण तक/Upto Tender Finalisations <a href="mailto:gopalakrishnaa.niot@gov.in">gopalakrishnaa.niot@gov.in</a> <a href="mailto:ppqfollowup@niot.res.in">ppqfollowup@niot.res.in</a>

राष्ट्रीय समुद्र प्रौद्योगिकी संस्थान **NATIONAL INSTITUTE OF OCEAN TECHNOLOGY**  
वेलचेरी ताम्बरम मेन रोड **VELACHERY TAMBARAM MAIN ROAD**  
नारायण पुरम, चेन्नै **600 100 NARAYANPURAM, CHENNAI 600 100**  
रा.स.प्रौ.सं. वेबसाइट/NIOT Website : <https://niot.res.in/conmngmt/signin.php>

**Commercial Terms Compliance sheet (The format should not be altered)**

S. No.	Particulars	Yes	No	offer Page Ref
1	Whether every page of the tender document is signed for acceptance of tender and uploaded along with the offer?			
2	Whether Taxes and duties are shown separately in the quote. (Registration numbers for claiming the same to be strictly indicated)			
3	Whether accepted to submit the order acceptance within 7 days from the date of order?			
4	Whether Quote is valid for <b>90 days</b> from the due date of tender or time specified in the tender document whichever is later?			
5	Whether <b>payment terms</b> of the tender is complied with?			
6	Whether the bidder satisfies the Pre- qualification criteria			
	a. a copy of your GST Registration certificates and PAN details are attached (Mandatory qualifying condition)			
	b. Supplier should have previous experience in supply of similar items to recognized institutions. (Mandatory qualifying condition)			
7	<b>a. The Goods / items quoted are manufactured in India and not imported from any country.</b>			
	<b>b. Make in India Clause: If the item/goods are partially imported, specify your category:</b>			
	1. CLASS I Category: Supplier or service provider, whose goods, services or works offered for procurement, has local content greater than or equal to 50%.			
	2. CLASS II Category: Supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%.			
8	Whether self certification form is enclosed (For Class I & Class II supplier only)?			
9	Whether price is <b>FOR /DAP, NIOT Chennai?</b>			
10	Whether the freight cost is included, if not included whether the freight cost is indicated separately?			
11	Whether the <b>authorization letter</b> exclusively for this tender, from the original manufacturer is enclosed?			
12	a) Whether <b>warranty</b> period accepted as per tender?			
	b) Whether submission of <b>warranty</b> certificate in the prescribed format is acceptable?			
13	Whether the <b>delivery period</b> is clearly indicated, and is as per tender?			
14	Whether the cost of installation / inspection / testing explicitly mentioned in the quote?			
15	Whether Past track record of quality and service is enclosed?			
16	Whether list of deliverables attached and comply as per tender?			
17	Whether liquidated damage clause is acceptable in case of delayed supply?			
18	Whether the tender is fully complying with tender specification/Adjustment if no, list out deviations very clearly along with the appropriate reason for the deviation?			
19	Whether item-wise price is quoted as per price bid and quoted price is realistic?			
20	Whether technical specification has been duly filled in and submitted with the tender document is uploaded along with the quotation.			
21	Whether HSN code of the product has been indicated?			
22	<b>Whether your firm is registered under MSME/ NSIC/DIC/UAM? If yes enclose copy of registration</b>			

**PRICE BID FORMAT**

S.No.	Description	Quantity	Unit	Unit rate	Amount
1.	Hydraulic Valve – NG10 – 60 lpm Model No.: Bosch Rexroth 4WRA10W60-2X/G24K4/V	6	Nos		
2.	Hydraulic Valve Amplifier Model No: Bosch Rexroth VT-MSPA2-2X/A5/000/000	5	Nos		
<b>Total Amount</b>					
(Amount in words. _____)					

**Note:**

# *The goods items quoted are manufactured in India and not imported from any country.*

\* **For Supply**

The GST as applicable will be paid.

**For Service**

GST @ 18% is applicable.

NIOT has enrolled under GST in the category "Tax Deductor". The bidders are requested to update their database regarding NIOT's Registration under GST-Tax Deductor. (See clause No.51 II (c))

TDS @ 2% on the order value towards GST will be deducted on payments made to the supplier in respect of goods and/or services, supplied/provided if the value exceeds Rs. 2.5 lakhs.

1. The copy of the GST registration certificate to be attached.
2. The duly filled technical and commercial compliance sheets should be submitted along with quotation/offer.

**We agree to all applicable terms and conditions listed in the tender document.**

**Signature with Seal**

**TENDER SPECIFICATION FOR SUPPLY OF HYDRAULIC VALVE AND VALVE AMPLIFIER**

**1. Scope of supply:**

Scope of supply includes the list of hydraulic valve and valve amplifier as per the tender specification and terms & conditions of NIOT given in the subsequent section.

**2. Technical Specification:**

S.No	Item Description	Specification
<b>I</b>	<b>Hydraulic Valve</b>	
1	Make	Bosch Rexroth
2	Item model number	4WRA10W60-2X/G24K4/V
3	Number of Main ports	4 Nos
4	Type of Valve	Direct operated proportional directional valve without electrical position feedback and without integrated electronics
5	Nominal Size of Valve	NG10
6	Spool Valve	A-B-T connected
7	Nominal Volume flow rate	60 lpm
8	Nominal supply voltage	24 VDC
9	Electrical Connections	Without plug-in connector
10	Maximum weight	7 kgs
11	Maximum operating pressure	Ports A, B, P – 300 bar Ports T – 200 bar
12	Pressure fluid	ISO VG 32 hydraulic oil
13	Operating temperature range	2 deg. C to 80 deg. C
14	Type of seal	FPM / FKM
<b>II</b>	<b>Hydraulic Valve Amplifier</b>	
15	Make	Bosch Rexroth
16	Item model number	VT-MSPA2-2X/A5/000/000
17	Command Valve Voltage	± 10 V
18	Type of connection	12 spring-type terminals, detachable
19	Maximum weight	0.15 kgs
20	Housing material	Glass-fiber reinforced polyamide plastic

### 3. Technical Compliance sheet:

S.No.	Description	Specification	Yes	No	Remarks
<b>I</b>	<b>Hydraulic Valve</b>				
1	Make	Bosch Rexroth			
2	Item model number	4WRA10W60-2X/G24K4/V			
3	Number of Main ports	4 Nos			
4	Type of Valve	Direct operated proportional directional valve without electrical position feedback and without integrated electronics			
5	Nominal Size of Valve	NG10			
6	Spool Valve	A-B-T connected			
7	Nominal Volume flow rate	60 lpm			
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<b>II</b>	<b>Hydraulic Valve Amplifier</b>				
15	Make	Bosch Rexroth			
16	Item model number	VT-MSPA2-2X/A5/000/000			
17	Command Valve Voltage	± 10 V			
18	Type of connection	12 spring-type terminals, detachable			
19	Maximum weight	0.15 kgs			
20	Housing material	Glass-fiber reinforced polyamide plastic			

**Note:**

**The literature/brochure/write up of the items quoted should be uploaded.**

**Terms and Conditions:**

- 1. Validity:** Quote should be valid for **90 days**.
- 2. Payment:** 100% Payment will be made within 30 Days after supply, acceptance of the materials. No advance payment shall be made.
- 3. Delivery:** The items should be delivered at NIOT, Chennai within **14weeks** from the date of receipt of the purchase order.
- 4. Warranty:** All the supplies shall carry warranty for **12 months** from the date of supply and acceptance by NIOT. The format of the warranty certificate shall be furnished to the successful bidder.
- 5. Documents/Certificate:** Authorization letter from the OEM for the product should be provided.
- 6. Part Supply:** Not Allowed. All the items should be delivered in a single lot within the stipulated time.

**We agree to all terms and conditions as per tender document.**

**Date:**

**Signature of supplier**

**Place:**

**Stamp**

**SPECIMEN COPY (to be given in your Letter Head)**

**WARRANTY CERTIFICATE**

The contractor / seller .....

Address ..... hereby declares that the goods/stores/articles, namely ..... sold to the buyer Director, National Institute of Ocean Technology, Chennai, under the Contract / Purchase Order No.: ..... shall be of the best quality (and Workmanship) and shall be strictly in accordance with the specifications and particulars contained / mentioned in the clause / order ..... hereof and the contractor / seller hereby guarantees that the said goods / stores / articles would continue to conform to the description and quality aforesaid for a period of ..... days/month/year from the date of delivery of the said goods / stores / articles to the purchaser i.e., ..... day of ..... 2025 and that notwithstanding the fact that the purchaser or his authorized representative may have inspected and / or approved the said goods / stores / articles, if during the aforesaid period of ..... days / months / years the said goods/stores/articles be discovered not to conform to the description and quality aforesaid or have deteriorated (and the decision of the purchaser in that behalf will be final and conclusive) the purchaser will be entitled to reject the said goods/stores/articles or such portion thereof as may be discovered not to conform to the said description and quality. On such rejection the goods/articles/stores will be at the seller's risk and all the provisions herein contained relating to rejection of goods etc., shall apply. The contractor / seller, if so called upon to do, replace the goods, etc., or such portion thereof as is rejected by the purchaser, otherwise the contractor/seller shall pay the purchaser such damages as may arise by reasons of the breach of the conditions herein contained. Nothing herein contained shall prejudice any other right of the purchaser in that behalf under this contract or otherwise.

**ANNEXURE**

**Format for Self Certification under Preference to  
"MAKE IN INDIA" Policy  
(Refer Clause No. 2.8 & 3.4.4 of ITT)**

**CERTIFICATE**

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, as amended from time to time and as applicable on the date of submission of tender, we hereby certify that we M/s. \_\_\_\_\_ (supplier name) are local supplier meeting the requirement of minimum **Local Content** \_\_\_\_\_% as defined in above orders for the material against Tender No. \_\_\_\_\_

Details of location at which local value addition will be made is as follows:

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We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rule for which for which a bidder or its successors can be debarred for up two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Authorized Signatory