

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt.of India Undertaking)

High Pressure Boiler Plant, Tiruchirappalli 620 014, India

MAINTENANCE & SERVICES

☎: (0431) 2575010/ 2575123 e-mail: lhoney@bhel.in

ENQ No: 9251900037

Dt.11.07.2019

NOTICE INVITING TENDER

Scope of the work:

ITEM NO.	Scope of the work	UOM	QTY
10/10	<p>FANUC Module (upto - 5 axis): FOLLOW-ON-CONTRACT (FOC): FANUC MODULES (upto - 5 axis) The details of the CNC controls are given below: Building 5</p> <p>1)Fanuc Sl.no:I006C1546 Fanuc model : OMC Machine Serial No:19 MTB: Batliboi Machine type : BR 6 CNC Location : 4659-3272</p> <p>2)Fanuc Sl.no:I006C1552 Fanuc model : OTC Machine SI No:1337 Machine type :HMT MTB :STC 25 Location : 4474-3287</p> <p>3)Fanuc Sl.no:I018C1644 Fanuc model : OTC Machine SI No:14359 MTB : HMT Machine type: L45 CNC Location: 4145-3501</p> <p>4)Fanuc Sl.no :I99ZC1487 Fanuc model: OTC Machine SI No: 027-00-84 MTB: Warner & swasey Machine type: WSU-18 Location :4479-3241</p> <p>5)Fanuc Sl.no :I99ZC1485 Fanuc model: OTC Machine SI No: 027-00-185 MTB :Warner & swasey Machine type :WSU-18 Location :4479-3242</p> <p>6)Fanuc Sl.no :I002D2247 Fanuc model :0TD Machine SI No :1095 MTB : HMT Machine type :STC 20 Location :4471-3262</p> <p>7)Fanuc Sl.no :I001C1500 Fanuc model :0TC Machine SI No :60099003 MTB : The Mysore kirloskar Machine type :Spectra turn 15</p>	NO	23

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<p>Location :4478-3237</p> <p>8)Fanuc Sl.no :I037I1647 Fanuc model :0iMA Machine SI No :10 MTB :Batliboi Machine type :BR 6 CNC Location :4659-2770</p> <p>9)Fanuc Sl.no :I99ZC1486 Fanuc model :0TC Machine SI No :027-00-183 MTB :Warner & swasey Machine type :WSU-18 Location :4479-3240</p> <p>10)Fanuc Sl.no :I001C1497 Fanuc model :0TC Machine SI No :60699001 MTB :The Mysore kirloskar Machine type :Spectra turn 15 Location :4478-3231</p> <p>Building 6</p> <p>11)Fanuc Sl.no :I003C1526 Fanuc model :0TC Machine SI No :1331 MTB :HMT Machine type:STC 25 Location :4474-3268</p> <p>12)Fanuc Sl.no :I001C1498 Fanuc model :0TC Machine SI No :60699002 MTB : The Mysore Kirloskar Machine type :Spectra turn 15 Location :4478-3232</p> <p>13)Fanuc Sl.no :I003C1525 Fanuc model: 0TC Machine SI No: 1332 MTB: HMT Machine type: STC 25 Location: 4474-3269</p> <p>14)Fanuc Sl.no :I024D3415 Fanuc model: 0TD Machine SI No: 60099004 MTB:The Mysore Kirloskar Machine type: Spectra turn 15 Location:4478-3256</p> <p>Building 1</p> <p>15)Fanuc Sl.no :I018C1643 Fanuc model: 0TC Machine SI No: 14360 MTB: HMT Machine type: L45 Location: 4145-3512</p> <p>16)Fanuc Sl.no :E06XA1429</p>		
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	<p>Fanuc model: 18i-TB Machine SI No: 3MNC46 MTB: Modern M/C Tool co. Machine type: 3MNC Location: 5951-4014 17)Fanuc Sl.no :I021C1649 Fanuc model:OTC Machine SI No: 231.002 MTB: HEC Machine type: LC140N Location: 4137-3517 18)Fanuc Sl.no :I022C1650 Fanuc model: OMC Machine SI No: HB627 MTB: HMT Machine type: CNC UMM1309 Location: 4828-3503 19)Fanuc Sl.no :I98YC1369 Fanuc model:OMC Machine SI No:5 MTB:BATLIBOI Machine type:BDC-50 Location:4705-3179 20)Fanuc Sl.no :I005C1543 Fanuc model:OTC Machine SI No:1335 MTB:HMT Machine type:STC25 Location:4474-3288 21)Fanuc Sl.no :I006C1550 Fanuc model: OTC Machine SI No:1336 MTB:HMT Machine type:STC 25 Location: 4474-3289 Building 50 22)Fanuc Sl.no :E06X03499 Fanuc model:18i TB Machine SI No:3 MNC MTB:Modern machine tools Machine type:3 MNC 45 Location:59514122 UNIT 2 23)Fanuc Sl.no :E108A0395 Fanuc model:32iA Machine SI No:M-5700 MTB:Bardnos& Oliver Machine type:TEP 300A Location:5951-4623</p>		
10/20	<p>FANUC Module (6 axis): FOLLOW-ON-CONTRACT (FOC): FANUC MODULES (6 axis) The details of the CNC controls are given below:</p>	NO	3

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	<p>Building 6 1)Fanuc Sl.no :E09800908 Fanuc model :320iA Machine SI No :SPM 309/10-729 MTB :BFW Machine type :Special Horizontal m/c Location :4808-4288</p> <p>Building 1 2)Fanuc Sl.no :E08Y05345 Fanuc model: 320i-SA Machine SI No: SPM 756/09-703 MTB: BFW Machine type: CNC Header Pipe Drilling Location:4702-4188</p> <p>3)Fanuc Sl.no: E10ZA2784 Fanuc model:32i-MODEL A Machine SI No:SPM 869/10-769 MTB:BFW Machine type: BHEL-869 Location:4702-4624</p>		
<p>10/30</p>	<p>FANUC Module (7 axis) FOLLOW-ON-CONTRACT (FOC): FANUC MODULES (7 axis) The details of the CNC controls are given below: Building 1 1)Fanuc Sl.no :E10ZB3496 Fanuc model: Oi-MD Machine SI No:HB617 MTB:HMT Machine type:CNC UTA160P Location:4802-2778</p> <p>SCOPE OF WORK(For Item sl no's 10 - 30) :</p> <p>1) FANUC INDIA is entrusted with the FOLLOW-ON-CONTRACT (FOC) whereby they shall depute their engineers with no-charge coverage for the following -Labour, travel and lodging expenses related to service work provide by them. -Trouble shooting counseling on telephone during regular business hours. -Replacing or repairing of FANUC controls PCB -Freight charges for the shipment and return of parts of FANUC spares. FANUC INDIA has to provide service by its engineers during the term covered by the contract at the equipment location as defined in the contract, when requested by the BHEL, to repair or replace failed parts described above, free of charge except as otherwise excluded under the FOC. Replacement parts will be new and/or reconditioned that perform to factory specifications.</p> <p>2) The contract FOC is valid for one year which applies to all products up to 50NM Servo Motor or 40KW Spindle Motors (Including Corresponding Drives), with the exception of consumables supplied. Broadly, this covers the Printed Circuit Boards (PCBs#) of the CNC control, servo motors and their amplifiers, spindle motors and their amplifiers. Trouble-shooting counseling by telephone: will be available during FANUC India's regular business hours.</p> <p>3) During the course of servicing, FANUC will service/repair/replace the CNC system/ drive tailed parts as per factory specifications.</p> <p>4) In case the defective part has to be repaired at FANUC - Bangalore, BHEL-Trichy will borne all the expenses for shipping the material from BHEL, Trichy to FANUC</p>	<p>NO</p>	<p>1</p>

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<p>India, Bangalore and after rectification FANUC India, Bangalore will borne all the expenses to send the material to BHEL-Trichy.</p> <p>5) The response time for the service call is 72 hours</p> <p>Any notice or other communication by BHEL will be addressed to The Service Manager, FANUC India Pvt. Limited, 41A Electronics City, Bangalore 560 100; Fax 080 2852 8528. repairs@fanucindia.com</p> <p>Parts not covered by FOC and other exclusions: The FOC shall not cover:</p> <p>a) Consumables like fuses, key sheets, batteries, back lights, fans, optical cable, soft Keyboards, MPG, Connectors, Plastic covers etc.</p> <p>b) Failures that the Seller deems to have occurred due to a direct consequence of improper installation, careless operation, neglect, lack of maintenance or operation not in accordance with published FANUC manuals, or parts which have been tampered with, altered, modified or reworked by anyone not authorized by the Seller.</p> <p>c) Problems attributable to the machine, like, limit switches, hydraulic valve failure, and cable disconnect, etc.</p> <p>d) Service necessitated by relocation of machine or modification by any other party other than Seller, or by accident, force majeure or any external causes to the equipment.</p> <p>e) Failures in servo and spindle motors, which the Seller attributes, occurred due to improper use, entry of coolant or water, excessive loading, etc.</p>	
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GENERAL TERMS AND CONDITIONS FOR M&S CONTRACTS

1) PAYMENT TERMS:

a) 100% payment after completion of work on pro-rata basis on submission of invoice in triplicate duly certified by Area in-charge.

2) GST:

a) Response to Tenders for Contractor will be entertained only if the vendor has a valid GST registration no which should be clearly mentioned in the offer. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer.

b) Contractor shall mention their GSTN registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.

c) All invoices shall bear the HSN Code for each item separately (Harmonized System of Nomenclature)/ SAC code (Services Accounting Code).

3) LD CLAUSE:

If the contractor fails to complete the work as per terms & conditions of the order within the delivery schedule, 0.5% of the order value will be deducted for each week of delay or part thereof subject to a maximum of 10% of the total contract value.

4) Period of Contract: 1 Year

5) Please Mention SAC in your Quotation.

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SCHEDULE FOR PRICE BID

SUB: CAMC for FANUC Modules at BHEL, Trichy Complex.

Ref: Enquiry No.: 9251900037/ Dated: 11/07/2019; Due Dt: 26/07/2019

ITEM NO.	SCOPE OF WORK	UOM	QTY	RATE	VALUE(=Rate*Qty.)
10/10	FANUC Module (upto - 5 axis)	NO	23		
10/20	FANUC Module (6 axis)	NO	3		
10/30	FANUC Module (7 axis)	NO	1		

NOTE: Please quote rate for the above item text with reference from detailed text of Scope of work.

- Taxes if any should be quoted extra.

- 1) 100% payment will be made after completion of work on pro rata basis on submission of invoice in triplicate duly certified by Area In – charge.

Sign & Seal of Contractor