



HEAVY MECHANICAL COMPLEX
Government Of Pakistan



TENDER ENQUIRY

PUR/TE/01

NO.	FPA-24-004	Date:	22-02-2024	Due on:	07-03-2024
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Please ensure to indicate your offer in this schedule. In case of shortage of space, you may use your letterhead but this schedule is to be returned duly filled in & signed.

Dear Sirs,

We invite your sealed bid on CFR basis for the supply of following store (s) as per format depicted below and over leaf. Bid must reach Admin Building by 1400 hours for opening in public at 1430 hours on due date.

S. NO.	DESCRIPTION	Qty.	Unit	Unit Price	Total Price
	<p>FORGE SHAFT</p> <p>- As per specifications and other details attached as Annexure - I Page: 1/1.</p> <p>- Bidding Procedure: Single stage - Single Envelope</p> <p>Note:</p> <ol style="list-style-type: none"> 1: Supply reference record for the quoted Bricks must be provided with the quotation. 2: Certificate of Origin Under Pak - China Free Trade (FTA) is essentially required with the shipping documents (if country of Origin is China). 3: Letter of Authorization as a local agent of Foreign principal must be attached with Quotation. 4: Quantity can be increased, decreased or deleted after tender opening if necessary. 5: Ocean freight charges upto Karachi seaport must be quoted Separately. 6: Offers having country of origin Israel & India will not be Considered. 7: Quotation of foreign principal must be attached. 8: 2% Bid security is essential to be submitted with quotation as per clause "2" of our Tender Enquiry Terms & Conditions. 9: HMC may reject all those offers which have validity period less than required (30 days) against tender. 	1	Lot		

Issued By :

For Head Purchase Department
Heavy Mechanical Complex Taxila.

DECLARATION

We certify that we have read the terms and conditions of the tender enquiry over leaf and the same are fully acceptable to us. We further agree to provide performance bond, if required.

Signature _____

Full Name _____

Seal of the Firm _____

Encl: Terms & Conditions, Proforma for Performance/Bid Bond

Holder of ASME
Stamp Designator
U, U2, S-PP and
The National Board
NB & R Stamp

Taxila : 47050 Pakistan Phones : (+92-51) 9270562 (5 Lines), (+92-51) 9314181
Fax: (+92-51) 9270560, (92-51) 9314202, 3
Email: hmcengg@hmc.com.pk, marketing@hmc.com.pk & procurement.hmc@gmail.com
Web Site: http:// www.hmc.com.pk



Specifications of Mill Roller Shafts

Sr.No	Item Name	Material	Rough Machined (Size in mm)	Rough Machined (Weight in Kg)	Req Qty. X
1	Forge Shaft	40Mn	φ 630 X 5420mm	13262	3
2	Forge Shaft	40Mn	φ 520 X 4600mm	7668	1
3	Forge Shaft	40Mn	φ725 X 6120mm	19832	3
4	Forge Shaft	40Mn	i) Dia 1 (φ 410 x 1265) ii) Sq 1 (□420 x 360) iii) Dia 2 (φ410 x 2220) iv) Sq 2 (□420 x 360) v) Dia 3 (φ410 x 665)	5297	1
5	Forge Shaft	40Mn	φ 725 X6210mm	20123	3
6	Forge Shaft	40Mn	Dia 1 (φ 420 x 1215) Dia 2 (φ570 x 2940) Dia 3 (φ420 x 1215)	8532	1
7	Forge Shaft	40Mn	φ 630 X 5420mm	13262	3
8	Forge Shaft	40Mn	φ 285 X4610mm	2309	1
9	Forge Shaft	40Mn	φ 655 X5650mm	14943	3
10	Forge Shaft	40Mn	φ 460 X4260mm	5557	1
11	Forge Shaft	40Mn	φ575 X 5000mm	10192	3
12	Forge Shaft	40Mn	φ550 X 1970mm	3674	1
13	Forge Shaft	40Mn	φ 630 X 5420mm	13262	3
14	Forge Shaft	40Mn	φ 210 X3290mm	895	1

Mechanical Properties

Yielded stress : 3600 Kg / cm² Approx.
Tensile strength: 6000 Kg/cm² Approx.
Elongation: 17% Approx
Hardness: 180-250 HB

Testing Requirement

UT Standard: SA388/388M

Technical Requirement

There must not be internal cracks, Blow Holes Cracks or any other kind of defect, which can effect the strength of Shaft.

Material

Chemical Composition

St. 40Mn

C%	0.37-0.44
Mn%	0.7-1.00
Si%	0.20-0.37
S%	≤0.015
P%	≤0.015