

DETAILS FOR RATE CONTRACT

S.No	Details required	Remarks
1	Item description	Rim Stud & Nut (along with bush & special Washer if applicable in the enquiry) as per BHEL specification, AA10501, QSP/HG/101 and drawing.
2	Quantity/Year	As per Annexure II.
3	Estimated Rate/Kg	Refer Estimate Sheet
4	Duration of Rate Contract	18 months
5	Delivery cycle for each PO against RC	60 days to 90 days from the date of order / As per delivery schedule mentioned in individual P.O. In case of multiple P.O. on a vendor, Delivery of minimum 30 Nos per month will be acceptable after expiry of 60 days from P.O. date.
6	Order is reqd. on single party or split ordering is desired.	Refer Sl. No. 4 & 5 of Annex -I.
7	Quantity variation	Refer Sl. No. 3 of Annexure -I.
8	Copies of all referred Drawings, for which RC is to be finalized.	Reference drawings and QAP are attached at list of sample drawings. However, final drawings will be submitted with each indent.
09	Any other specific terms & condition desired to be included in the enquiry	Items to be supplied as per specifications, drawings and QA Plan as specified in each indent.
10	With or without PVC. If PVC applicable, then pl. specify formula	PVC not applicable.

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10/06/19
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RITESH GAJBHIYE
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Annexure 'I'TERMS & CONDITIONS FOR RC OF RIM STUD & NUT

1. Indent will be raised as per requirement.
2. Length / Size given here are for reference, actual length / Size will be as per drawing which will be attached with each indent.
3. Quantity given is only an estimated requirement. Since the quantity requirement has been arrived on basis of present & anticipated orders, any change in order situation like any project going slow / hold, then BHEL has right to reduce / drop quantity. However, if RC quantity is exhausted during period of RC, then up to +30% of additional quantity can also be ordered. Minimum order quantity for rim stud & nut shall be 150 Kg.
4. The total volume of work shall be distributed among qualified vendors according to the formula given below.
L1 - 60% and L2 - 40%
The share of the L1 vendor shall at all times to be kept just above 60% to the extent possible. All procurement shall be done at the L1 rate. In case the L2 vendor refuses to supply the item at the L1 rate, the vendor will be removed from consideration and the next L2 vendor will be considered. In case all the other qualified vendors refuse to supply at the L1 rate, 100% of the procurement shall be done from the L1 vendor.
5. Quantity on each supplier will be ordered as per condition at Sr. No. 4. However, effort may be made so that quantity covered in one indent is ordered on one vendor.
6. BHEL reserves the right to revoke the contract at its discretion at any time without an explanation.
7. Items shall be supplied as per the specifications, QAPs / drawings enclosed with each indent on fully finished basis. Sample documents enclosed are for your reference.
8. Quotation is to be given by vendors on per kg basis.
9. Machining tools, jigs, fixtures, gauges etc., are to be arranged by the vendor. BHEL shall not provide any tools.
10. Inspection should be carried out by BHEL/TPI/Customer as mentioned in P.O. and Quality plan.
11. Items to be ordered on number basis and following formula to be used:

Weight per item (in KG) as per drawing	=	W
RC rate per KG (in Rs.)	=	R
Cost per number (in Rs.)	=	(W x R)

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TOTAL ESTIMATED REQUIREMENT OF RIM STUD & NUT

FY : 2018-19 & 2019-20				
TOTAL NO. OF MACHINES	RIM STUD & NUT (along with bush & special Washer if applicable in the enquiry)		TOTAL WEIGHT, KG	REMARKS
	SIZE	LENGTH, MM		
7	M30	>700	25000	Tentative weight taken
18	M36		58000	Tentative weight taken
4	M42		40000	Tentative weight taken
TOTAL			123000	

LIST OF SAMPLE DRAWINGS / DOCUMENTS

1. Drawing (22520380602) of Rim Stud & Nut (along with bush & special Washer if applicable in the enquiry) (M30)
2. Drawing (22520388601) of Rim Stud & Nut (along with bush & special Washer if applicable in the enquiry) (M36)
3. Drawing (22520305702) of Rim Stud & Nut (along with bush & special Washer if applicable in the enquiry) (M42)
4. QSP/HG/101
5. Estimation Sheets
6. T-PQR


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 BHOPAL	TECHNICAL PRE-QUALIFICATION REQUIREMENTS (T-PQR)	DOC. NO. : HGG-1907 DATE: 10/06/2019 REV. - 00 PAGE 1 OF 1
	HYDRO GENERATOR ENGINEERING DIVISION	

Technical Pre-Qualification Requirements (T-PQR) for Rim stud & Nut for hydro-generators/Motors.

S. No.	Description of pre-qualification requirement	Vendor Response	
		Complied/Not complied	Supporting Documents required to accept compliance
1	Only original manufacturers or their authorized distributors/agents will qualify. Traders/stockiest etc. will not be considered.		Certificate of being original manufacturer or authorization letter from original manufacturer (for distributors/agents).
2	Compliance to attached Annexure-I & II, sample drawings 22520380602, 22520388601, 22520305702, specification AA10501 and QA PLAN QSP/HG/101.		Point-wise compliance statement to attached Annexure-I & II, Technical requirements of sample drawings 22520380602, 22520388601, 22520305702, specification AA10501 and QA PLAN QSP/HG/101.
3	The bidder should have a strong and robust quality management system equivalent or better than ISO 9001-2015 certification.		Valid certificate or confirmation of QMS.
4	Bidder to furnish TC of material from OEM or NABL approved lab with each supply.		Necessary confirmation to be submitted.
5	The bidder shall have successfully supplied/executed at least two (02) orders of truncated rolled threads of size M30 or above.		Copy of PO/Invoice.

Note:

1. Compliance to above Pre-qualification requirements are mandatory. In absence of compliance of above requirements vendor PQ application is liable to be rejected.
2. BHEL has right to verify information/ confirmation furnished, by asking additional documents proofs etc.

Prepared By

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QUALITY ASSURANCE DEPARTMENT

QA PLAN FOR: STUDS/BOLTS/SCREWS AND NUTS

QA PLAN NO: QSP/HG/101

SHEET 1 OF 2

REVISION: 04

DATE-23/06/2017

SL. NO.	COMPONENT/ASSY/ OPERATION	CHARACTERISTICS	CLASS	TYPE	QUANTUM OF CHECK	REF. DOC.	RECORD FORMAT	AGENCY		REMARKS
								SUPPLIER	QIX/TPIA	
1.0	Inspection at supplier's works									
1.1	Bar Material	a) Material certification (Heat treatment, Chemical analysis & Mechanical properties)	Maj	HT + Chem + Mech	Sample	Drg./Spec	TC	P	V	
		b) Material Identification.	Maj	Review	100%	Drg./Spec	QCR	P	V	
1.2	Bolts, Studs & Nuts	a) Visual & dimensional checks of studs/bolts/screws & nuts.	Maj	Vis + D	100%	Drg./Spec	QCR	P	V, W	20 % to be witness by QIX/TPIA
		b) Length measurment & straightness of each studs/bolts/screws as applicable.	Cri	Vis + M	100%	Drg./Spec	QCR	P	V, W	20 % to be witness by QIX/TPIA
		c) DP on threaded portion of studs/bolts/screws	Maj	DP	100%	Drg./Spec	TC	P	V, W	No cracks 10 % to be witness by QIX/TPIA
		d) Threads of studs/bolts/screws & nuts to be proved by Go & NO Go gauges & nuts should be interchangeable.	Maj	Vis + M	100%	Drg./Spec	QCR	P	V, W	20 % to be witness by QIX/TPIA
HGE			HGM			QA-HYDRO				

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QUALITY ASSURANCE DEPARTMENT

QGX-9

QA PLAN FOR: STUDS/BOLTS/SCREWS AND NUTS

QA PLAN NO: QSP/HG/101

SHEET 2 OF 2

REVISION: 04

DATE-23/06/2017

SL. NO.	COMPONENT/ASSY/ OPERATION	CHARACTERISTICS	CLASS	TYPE	QUANTUM OF CHECK	REF. DOC.	RECORD FORMAT	AGENCY		REMARKS
								SUPPLIER	QIX/TPIA	
		e) Check for rolled & truncated thread (For Rim studs only)	Maj	Vis	100%	Drg./Spec	QCR	P	V	
		f) Marking, Identification, Protection, Packing & despatch	Maj	Vis	100%	Drg./Spec	TC	P	V	

Notes:

1. To verify, tests for physical, chemical & Mechanical properties of studs/bolts/screws & nuts shall be again carried out on any randomly selected studs/bolts/screws at TSD, BHEL Bhopal after receipt of finished items at BHEL works.

2. Each stud shall be supplied with a nut at each end, if applicable.

3. Studs/bolts/screws and nuts shall be coated with rust preventive compound before despatch as per drawing.

4. Suitable caps to be provided on threaded portion of studs.

Certification: Supplier shall submit 3 copies of test certificates duly countersigned by QIX/TPIA incorporating the following:-

I) Raw material test certificates of original manufacturer and material test certificate from NABL approved lab.

II) Test certificates/inspection records of test conducted on studs/bolts/screws and nuts as per drawing/specification.

Abbreviations: Chem - Chemical, Cri - Critical, D - Dimension, DP - Dye Penetration test, HT - Heat treatment, Maj - Major, M - Measurement, Mech - Mechanical, P - Perform, QHG - Quality Hydro Group, QIX - Quality Control Ancillary, QCR - Quality Control Record, R - Review, T - Test, TC - Test Certificate, TPIA - Third Party Inspection Agency, V - Verify, Vis - Visual, W - Witness.

Rev 01 Dt. 13/10/1993

Rev 04 Dt. 23/06/2017: (1). Type, Quantum of check, record format, agency & remark column modified. (2). Clause 1.2 d modified. (3). Note 1, certification & abbreviations modified.

HGE

HGM

QA-HYDRO

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