

Pre-Qualification Requirements (Technical) for Multi-Contact Bands
(Material code W96414300144, W96414300152, W96414500119 & W96414502553)

The Multi-Contact bands are used for critical application involving high current transfer between Exciter and TG rotors in large size Turbo-Generator sets. The current rating and contact pressure of M C bands are of the utmost importance.

Pre- Qualification Requirements:

1. The vendor should be a regular manufacturer & supplier of Multi-Contact Bands/ Lamella bands, etc. for high current transfer application. In support of this, vendor shall furnish their product catalogues and details of executed orders as per table below (not older than 10 years on date of enquiry):

| Purchase Order no. | Year of Supply | MC Band type | Current Rating | Quantity | Customer |
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2. Vendor shall furnish unpriced copies of at least two Purchase Orders from above list and corresponding Test certificates/Certificate of Compliance. They shall also furnish material acceptance certificate from their customers or End users for these POs and samples of their manufactured M C Bands and suitable Spring Rings.
3. Vendor to confirm that they have all the required facilities to manufacture these M C Bands as per enquiry. Vendor to furnish details of manufacturing facilities.
4. Vendor to confirm that they have all the required facilities to test these M C Bands. In case of outsourcing of any test, vendor to agree for testing at Government/International agency's accredited lab only. Vendor to furnish details of testing facilities.
5. Vendor shall confirm to meet all the technical parameters mentioned in Drawing 31430701000, 31430701001, 31450401006 & 41450401282. Vendor shall also confirm that the Multi-Contact Bands and Spring Rings manufactured by them shall fit/assemble in the sleeves and plugs/bolts with the assy details as mentioned in individual drawing.
6. First time supplier to BHEL shall submit 5 no. samples for each type of M C band and suitable Spring Rings for review before bulk manufacturing.

Note:

- a. All the documents and correspondence should be in English language.

NON-DISCLOSURE AGREEMENT

All Drawing and Technical Documents relating to the product or it's manufacture submitted by one party to the other, prior or subsequent to the formation of contract, shall remain property of the submitting party. Drawing, technical documents or other technical information received by one party, shall not without the consent of the other party, be used for any other purpose than that, for which they were provided. Such technical information shall not without the consent of the submitting party, otherwise be used or copied, reproduced, transmitted or communicated to a third party. Patterns supplied by BHEL will remain BHEL's property which shall be returned by the bidder on demand to BHEL. Bidder shall in no way share or use such intellectual property of BHEL to promote his own business with others. BHEL reserves the right to claim damages from the bidder, or take appropriate penal action as deemed fit against the bidder.

Signature with stamp

Quality Requirement will be as follows: -


Vendor approval from End Customer/NTPC is required. NTPC unapproved vendors to submit credentials in NTPC Sub Vendor Questionnaire Format for take up with NTPC for approval. Vendors to confirm to follow NTPC Approval conditions (if any). Also, Bidder already approved by Customer for the Enquiry item will have to follow approval conditions of the Customer in totality. Bidder to confirm the same in their offer.

Vendors has to confirm for inspection by BHEL/BHEL nominated Inspection agency (**M/s. TUV**) as per BHEL approved QAP. Vendor also has to submit the endorsed the copy of the QAP for BHEL approval.


For Foreign Vendors - Testing & Certification is required as per ordering Drawing& Specification. Ordering done on only NTPC approved Vendor.

Item details are as follows –


- 1. MATERIAL CODE- W96414300144**
MULTI CONTACT BAND
DRG: 31430701000 REV: 03
QTY.-39 Nos.
- 2. MATERIAL CODE- W9614300152**
MULTI CONTACT BAND
DRG: 31430701001 REV: 03
QTY.-08 Nos.
- 3. MATERIAL CODE- W96414301353**
SPRING RING
DRG: 41430701083 REV: 00
QTY- 122 Nos.
- 4. MATERIAL CODE- W96414500119**
MULTI CONTACT BAND
DRG: 31450401006 REV: 02
QTY- 04 Nos.

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|  | CORPORATE QUALITY ASSURANCE/ कॉर्पोरेट गुणवत्ता आश्वासन SUB-VENDOR QUESTIONNAIRE/ सब-वेंडर प्रश्नावली |
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| i. | Item/Scope of Sub-contracting उप-संविदा(अनुबंध) का मद/ दायरा | | | |
| ii. | Address of the registered office पंजीकृत कार्यालय का पता | Details of Contact Person संपर्क व्यक्ति का विवरण (Name, Designation, Mobile, Email) (नाम, पदनाम, मोबाइल, ईमेल) | | |
| iii. | Name and Address of the proposed Sub-vendor's works where item is being manufactured प्रस्तावित उप-विक्रेता के कार्यों का नाम और पता, जहां मद का निर्माण किया जा रहा है | Details of Contact Person: संपर्क व्यक्ति का विवरण (Name, Designation, Mobile, Email) (नाम, पदनाम, मोबाइल, ईमेल) | | |
| iv. | Annual Production Capacity for proposed item/scope of sub-contracting उप-संविदा(अनुबंध) के प्रस्तावित मद / दायरे के लिए वार्षिक उत्पादन क्षमता | | | |
| v. | Annual production for last 3 years for proposed item/scope of sub-contracting उप-संविदा(अनुबंध) के प्रस्तावित मद / दायरे के लिए पिछले 3 वर्षों का वार्षिक उत्पादन | | | |
| vi. | Details of proposed works प्रस्तावित कार्यों का विवरण | | | |
| 1. | Year of establishment of present works वर्तमान फैक्टरी की स्थापना का वर्ष | | | |
| 2. | Year of commencement of manufacturing at above works उपरोक्त फैक्टरी में निर्माण कार्य शुरू होने का वर्ष | | | |
| 3. | Details of change in Works address in past (if any) पूर्व में फैक्टरी स्थल में परिवर्तन का विवरण (यदि कोई हो) | | | |
| 4. | Total Area कुल क्षेत्र Covered Area शामिल क्षेत्र | | | |
| 5. | Factory Registration Certificate फैक्टरी पंजीकरण प्रमाण पत्र | Details attached at Annexure – F2.1 विवरण अनुलग्नक- एफ 2.1 पर संलग्न है | | |
| 6. | Design/ Research & development set-up डिजाइन / अनुसंधान और विकास सेटअप (No. of manpower, their qualification, machines & tools employed etc.) (श्रमिकों की संख्या, उनकी योग्यता, मशीन और उपलब्ध उपकरण दी) | Applicable / Not applicable if manufacturing is as per Main Contractor/purchaser design Details attached at Annexure – F2.2 (if applicable) लागू / लागू नहीं, अगर विनिर्माण मुख्य संविदाकार / खरीददार के डिजाइन के अनुसार है) | | |

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|  | <p align="center">CORPORATE QUALITY ASSURANCE/ कॉर्पोरेट गुणवत्ता आश्वासन</p> <p align="center">SUB-VENDOR QUESTIONNAIRE/ सब-वेंडर प्रश्नावली</p> |
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| | | विवरण अनुलग्नक –एफ 2.2 पर संलग्न है । (यदि लागू हो) |
| 7. | Overall organization Chart with Manpower Details (Design/Manufacturing/Quality etc) मैनपावर विवरण के साथ समग्र संगठन का चार्ट(डिजाइन / विनिर्माण / गुणवत्ता आदि) | Details attached at Annexure – F2.3 विवरण अनुलग्नक – F2.3 में संलग्न है । |
| 8. | After sales service set up in India, in case of foreign sub-vendor(Location, Contact Person, Contact details etc.) भारत में बिक्री सेवा की स्थापना के बाद, विदेशी उप-विक्रेता के मामले में(स्थल , संपर्क व्यक्ति, संपर्क विवरण आदि) | Applicable / Not applicable लागू / लागू नहीं Details attached at Annexure – F2.4 विवरण अनुलग्नक -2.4 पर संलग्न है । |
| 9. | Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any फ्लोचार्ट सहित विनिर्माण प्रक्रिया निष्पादन योजना , जिसमें आउटसोर्स प्रक्रिया, यदि कोई हो, सहित कच्चे माल से तैयार उत्पाद तक विनिर्माण के विभिन्न चरणों को दर्शाया गया हो, | Details attached at Annexure – F2.5 विवरण अनुलग्नक - F2.5में संलग्न है । |
| 10. | Sources of Raw Material/Major Bought Out Item कच्चे माल के स्रोत / खरीदे हुए मुख्य मद | Details attached at Annexure – F2.6 विवरण अनुलग्नक - F2.6में संलग्न है। |
| 11. | Quality Control exercised during receipt of raw material/BOI, in-process , Final Testing, packing कच्चे माल / खरीदे हुए मद, प्रक्रियाबद्ध, अंतिम परीक्षण, पैकिंग करते समय गुणवत्ता नियंत्रण | Details attached at Annexure – F2.7 विवरण अनुलग्नक - F2.7 पर संलग्न है |
| 12. | Manufacturing facilities (List of machines, special process facilities, material handling etc.) विनिर्माण सुविधा(मशीनों की सूची , विशेष प्रक्रिया सुविधाएं, सामग्री रख-रखाव आदि) | Details attached at Annexure – F2.8 विवरण अनुलग्नक - F2.8में संलग्न है । |
| 13. | Testing facilities (List of testing equipment) परीक्षण सुविधाएं(परीक्षण उपकरण की सूची) | Details attached at Annexure – F2.9 विवरण अनुलग्नक – F2. 9 में संलग्न है । |
| 14. | If manufacturing process involves fabrication then- यदि निर्माण प्रक्रिया में फेब्रिकेशन की गई है तो- | Applicable / Not applicable लागू / लागू नहीं Details attached at Annexure – F2.10 विवरण अनुलग्नक - F2.10में संलग्न है। (if applicable) लागू / लागू नहीं |
| | List of qualified Welders पात्र वेल्डर की सूची | |
| | List of qualified NDT personnel with area of specialization विशेषज्ञता के क्षेत्र सहित पात्र एनडीटी कार्मिकों की सूची | |
| 15. | List of out-sourced manufacturing processes with Sub-Vendors' names & addresses सब-वेंडर द्वारा बाह्य स्रोतों | Applicable / Not applicable लागू / लागू नहीं |

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|  | CORPORATE QUALITY ASSURANCE/ कॉर्पोरेट गुणवत्ता आश्वासन SUB-VENDOR QUESTIONNAIRE/ सब-वेंडर प्रश्नावली | |
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| | (उनके नाम और पते सहित)से करवाएं गए निर्माण प्रक्रियाओं की सूची | | <i>Details attached at Annexure. –F2.11</i> विवरण अनुलग्नक - F2.10में संलग्न है। <i>(if applicable)</i> (यदि लागू हो) | | |
| 16. | <i>Supply reference list including recent supplies</i> नवीनतम □ पूर्ति सहित □ पूर्ति संदर्भ सूची | | <i>Details attached at Annexure – F2.12</i> विवरण अनुलग्नक - F2.12 में संलग्न है। <i>(as per format given below)</i> (नीचे दिए गए प्रारूप के अनुसार) | | |
| <i>Project/ package</i> परियोजना /पैकेज | <i>Customer Name</i> ग्राहक का नाम | <i>Supplied Item (Type/Rating/Model /Capacity/Size etc)</i> □ पूर्ति की गई वस्तु (प्रकार / रेटिंग / मॉडल / क्षमता / □ कार □ दि) | <i>PO ref no/date</i> पीओ संदर्भ सं. / तिथि | <i>Supplied Quantity</i> □ पूर्ति की मात्रा | <i>Date of Supply</i> □ पूर्ति की तारीख |
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| 17. | <i>Product satisfactory performance feedback letter/certificates/End User Feedback</i> उत्पाद के संतोषजनक प्रदर्शन संबंधी फीडबैक पत्र / प्रमाण पत्र / अंतिम उपयोगकर्ता फीडबैक | | <i>Attached at annexure - F2.13</i> अनुलग्नक F2. 3पर संलग्न है | | |
| 18. | <i>Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product</i> <i>(similar or higher rating)</i> प्रस्तावित उत्पाद (एक समान या उच्च रेटिंग वाले) के लिए टाइप टेस्ट रिपोर्ट (टाइप टेस्ट विवरण, रिपोर्ट संख्या, एजेंसी, जांच की तारीख) का सारांश नोट:- रिपोर्ट प्रस्तुत करने की आवश्यकता नहीं है <i>Note:- Reports need not to be submitted</i> | | <i>Applicable / Not applicable</i> लागू / लागू नहीं <i>Details attached at Annexure – F2.14</i> विवरण अनुलग्नक - F2.1 4में संलग्न है <i>(if applicable)</i> (यदि लागू हो) | | |
| 19. | <i>Statutory / mandatory certification for the proposed product</i> प्रस्तावित उत्पाद के लिए वैधानिक / अनिवार्य प्रमाणीकरण | | <i>Applicable / Not applicable</i> लागू / लागू नहीं <i>Details attached at Annexure – F2.15</i> <i>(if applicable)</i> (यदि लागू हो) | | |
| 20. | <i>Copy of ISO 9001 certificate</i> आईएसओ 9001 प्रमाण पत्र की प्रति <i>(if available)</i> (यदि उपलब्ध हो) | | <i>Attached at Annexure – F2.16</i> अनुलग्नक में संलग्न - F2.1 6 है | | |
| 21. | <i>Product technical catalogues for proposed item</i> (if available) प्रस्तावित मद के लिए उत्पाद तकनीकी कैटलॉग (यदि उपलब्ध हो) | | <i>Details attached at Annexure – F2.17</i> विवरण अनुलग्नक - F2.1 7 में संलग्न है | | |
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| <i>Name:</i> नाम: | | <i>Desig:</i> पद: | | <i>Sign:</i> हस्ता क्षर: | <i>Date:</i> तिथि: |

Company's Seal/Stamp:- कंपनी की मुहर/ मोहर: -

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| MANUFACTURER'S NAME AND ADDRESS | | | QUALITY PLAN | | | | TO BE FILLED BY BHEL | | TO BE FILLED BY BHEL | | | | |
| BHEL | VENDOR'S NAME | ITEM | | | QP NO. | | | | | | | | |
| | | | | | REV | | | | | | | | |
| | | DRG. NO. | AS PER PO | | | | | | | | | | |
| | | SPEC. | AS PER PO | | | | | | | | | | |
| SL. NO. | COMPONENT & OPERATIONS | CHARACTERISTICS | CLASS | TYPE OF CHECK | QUANTUM OF CHECK | REFERENCE DOCUMENT | ACCEPTANCE NORMS | FORMAT OF RECORDS | AGENCY | | | REMARKS | |
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Note: All page of inspection documents shall be numbered in chronology with the QAP clause , dully mentioning the corresponding QAP clause nos. at the top of each page. One index page containing the documents descriptions, their page no & QAP clause shall be attached upfront the inspection documents.

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| MANUFACTURER/SUBCONTRACTOR | | LEGEND: | FOR CUSTOMER USE | |
| | | ! RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION. | | |
| | | M: MANUFACTURER / SUBCONTRACTOR B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER | | APPROVED BY |