

SPECIAL INSTRUCTION

This is to certified that this enquiry is being issued to “**M/s National Engineering Corp., Roorkee**” for supply of “M. C Socket”. This is a Development Enquiry for the Item supplied by **M/s National Engineering Corp., Roorkee**. No other vendor’s participation will be considered for this Enquiry. Hence, it is requested to please do not participate in this tender enquiry except aforesaid manufacturer / their authorized dealer etc.

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For and on behalf of BHEL

Mandatory Pre-Qualification requirements for MC-Socket
Material Code- W96413503068 as per Drawing 31350601092 REV-04

Description:

The MC-Socket is utilized for connecting the wires from inside to outside the generator through lead in plate. It is connected to the 3 mm diameter pin of Lead-in-Plate from inside and outside. MC-Socket should be of very reliable and proven design to maintain the required electrical connection.

- 1.0** The vendor should be a regular manufacturer of such MC-Socket with minimum following requirements -

Si No.	Parameter	Value
(i)	Conductor Connection	0.5 mm ² , Diameter 0.5 to 0.8 mm
(ii)	Insertion and Extraction Force	7 to 13 N tested with steel pin $\phi 3_{H9}$
(iii)	Nominal Current per individual contact	35A
(iv)	Contact Resistance	$\leq 0.35m\Omega$
(v)	Material	CuZn36Pb1.5F38 or equivalent
(vi)	Hard Silver plated	6 $\mu\pm 2$
(vii)	Suitable for Crimping	8PT crimping tool
(viii)	Silver Plating	6 $\mu\pm 2$

- 2.0** In support of above serial number-1, vendor shall furnish technical details of MC-Socket in below mentioned format for at least two nos. (2) of the P.O. executed in past 10 years (from date of enquiry) along with P.O. copies.

S. No.	Brief technical details	Application	Name & address of customer	Date of supply
1	<ul style="list-style-type: none"> Nominal Current per individual contact 			
2	<ul style="list-style-type: none"> Contact Resistance Material Silver Plating 			

- 3.0** Vendor to furnish correlated test certificates /Certificate of compliance against any one of the P.O. submitted as per clause 2.
- 4.0** Vendor to furnish acceptance certificate from the end user of MC-Socket against the P.O. submitted as per clause 2. (Original Certificate or through e-mail directly from the customer). Acceptance certificate should contain information like item details and its application or correlation with P.O.

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- 5.0 The vendor should have in-house manufacturing and testing facilities for MC-Socket. Vendor to confirm.
- 6.0 The testing facilities available at vendor's works should be duly calibrated against measurement standards traceable to national/international measurement standards. Vendor to confirm the same. Alternatively, vendor to indicate their tie-up with accredited laboratory for performing Type tests or agree to carry out at NABL/ILAC/APLAC approved lab and provide the details for the same.

Note: BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false / incorrect, the offer shall be rejected.

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: -

Vendors to confirm for inspection by BHEL/ BHEL nominate Inspection agency as per BHEL approved QAP. Vendor also has to endorse the QAP & submit along with offer for BHEL approval.

The given Standard & Special Instructions shall be ensured.

Item details are as follows –

- 1. MATERIAL CODE- W96413503068**
M C SOCKET
DRG: 31350601092 REV: 04
QTY.- 700 Nos.

ATC for GEM enquiry-

1. "THIS IS A DEVELOPMENTAL ENQUIRY, OFFER FROM ONLY M/S NATIONAL ENGINEERING CORP., ROORKEE
2. SHALL BE ACCEPTABLE. BIDS RECEIVED FROM OTHER SUPPLIERS SHALL BE IGNORED".
3. M/S NATIONAL ENGINEERING CORP. SHALL NOT RAISE THE PRICES FOR ATLEAST 01 YEAR FROM DATE OF SUPPLY.
4. M/S NATIONAL ENGINEERING CORP. WILL NOT USE THE DESIGN, TOOLING AND TECHNOLOGY PASSED ON BY BHEL OR DEVELOPED IN THIS CASE TO ANY THIRD PARTY. THE VENDOR WILL ALSO NOT SELL THIS PRODUCT DEVELOPED FOR BHEL, TO ANY THIRD PARTY WITHOUT PRE-CONSENT OF BHEL. "
5. OFFER TO BE SUBMITTED THROUGH GEM PORTAL ONLY.
6. THIS IS A DEVELOPMENT ENQUIRY. HENCE, PENALTY MEASURES LIKE LATE DELIVERY, RISK & COST & DEBARMENT SHALL NOT BE APPLICABLE.
7. VENDOR TO SUBMIT THE MANUFACTURING PLAN AND QUALITY PLAN ALONG WITH THE OFFER. QUALITY PLAN MUST CONTAIN THE RAW MATERIAL DETAILS. ONLY BHEL APPROVED QUALITY PLAN HAS TO BE FOLLOWED BY VENDOR.
8. VIBRATION TEST SHALL BE BY M/S NATIONAL ENGINEERING CORP. FOR MINIMUM 20 NOS. OF M.C. SOCKET. TEST WITH VIBRATIONS $>49 \text{ m/s}^2$ AT 100-150 Hz. FOR 20 HOURS APPLIED TO M.C. SOCKET IN AXIAL & TRANSVERSE DIRECTIONS EACH FOR ONE HALF OF THE TOTAL PERIOD.
9. AFTER VIBATIONS TEST CONTACT RESISTANCE SHALL BE AS PER DRAWING 31350601092.
10. ACCEPTANCE CRITERIA IS SUCCESSFUL ASSEMBLY AT BHEL WORKS.
11. QUALITY REQUIREMENTS: PRE-DISPATCH INSPECTION BY AS PER BHEL APPROVED QAP. VENDOR TO SUBMIT DETAIL QUALITY PLAN FOR BHEL APPROVAL.STANDARD & SPECIAL INSTRUCTIONS GIVEN BY INDENTER SHALL BE ENSURED.
12. OFFERED PRICES ON THE GEM PORTAL SHOULD BE ON ALL- INCLUSIVE BASIS i.e. INCLUDING APPLICABLE GST/ALL TAXES & DUTIES, LOCAL LEVIES/TRANSPORTATION/LOADING- UNLOADING, PACKING & FORWARDING CHARGES etc. UPTO BHEL HEEP HARIDWAR, INCLUDING NABL/GOVERNMENT ACCREDITED LAB. TESTING CHARGES (IF APPLICABLE AS PER RESPECTIVE SPECIFICATION) & DEVELOPMENT COST.

PAYMENT TERM.

100% payment will be made after receipt and acceptance of material and within 90 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. In case any discrepancy found in the documents, BHEL will notify the same to vendor within 7 days of receipt. Vendor has to clear all the discrepancies in one go within 7 days thereafter else the payment of vendor may get delayed.

For MSEs (covered under MSME Act) which are registered and periodically renewed with BHEL, the Payment term is 45 days; For Medium Enterprises the Payment term is 75 days and for Non MSMEs the Payment term is 90 days.

DELIVERY TERMS.

As per GeM T & C.

DELIVERY PERIOD. - Delivery period shall be as per bid/enquiry.

Please confirm to provide Guaranty Certificate along with dispatch certificate documents. All other T & C will be as per GeM.

MANUFACTURER'S NAME AND ADDRESS			STANDARD QUALITY PLAN											
BHEL	VENDOR'S NAME	ITEM			QP NO.		TO BE FILLED BY BHEL		TO BE FILLED BY BHEL					
		DRG. NO.	As per PO		REV.									
		REV. NO.												
		SPEC. NO.	As per PO											
		REV. NO.			Page 1 of 1									
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS	AGENCY			REMARKS		
1	2	3	4	5	6	7	8	9	D	M	B	N	10	11

MANUFACTURER/SUBCONTRACTOR	LEGEND:	FOR CUSTOMER USE	APPROVED BY
	! 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		