

I N D E N T

BHARAT HEAVY ELECTRICALS LIMITED BHOPAL										
FOR ENQUIRY										
Fresh Indent										
BP 4256		INDENT		BUY SEC		ORG DATE IF AMD				
		NO		DATE		72				
		340604007		08/07/20						
CA	REV	ITEM/TP	W.O. NO./CH.HEAD	LOT	QUANTITY	DEST CD	DELIVERY DATE	VALUES IN RS.	OUT STAND INDENT/PO/prev PO	
TY	CD	NO		NO		GES NO			QUANTITY	
PROJECT NAME										
3	1	1	W	69120A53001	1	2.000	806	30092020	*****	0.00
REACTOR PKG RT0										
3	1	2	W	69111A53001	1	2.000	806	30093020	*****	0.00
SUPPLY OF 14X80										
3	1	3	W	69153A53001	1	1.000	806	30042021	*****	0.00
SUPPLY CONTRACT										
REMARKS: 1) ITEM WILL BE PROCURED ON INDIVIDUAL LI BASIS. 2) VENDOR HAS TO SUBMIT VALID POWERGRID APPROVAL (IF AVAILABLE) ALONG WITH THE BID. 3) CUSTOMER DUTY BENEFIT IS NOT APPLICABLE. 4) PRESS TENDER IS TO BE ISSUED. 5) VENDOR HAS TO FURNISH POWERGRID APPROVED QUALITY PLAN.										
EXISTING PO FOR NOPMD, AS PER PURCHASE POLICY CLAUSE 5.1.1(iii) WHERE PMD NEEDS TO BE EVOLVED										

***** L (00125 TO 00150) Values Rs. in Lacs

ENG. DEPT - I

WRIP-UP-ON - * FUNCTION - I | * IMPORT-JUSTIFICATION [N] * EMERGENCY INDENT JUSTIFICATION[N] * C.D.C. PROFORMA[N]

PREPARED BY

6115861

SHRI B RAVIKUMAR

DEPT 406

PH NO 5176

PLANNED BY

SHRI SHIV KUMAR SINGH

शिव कुमार सिंह

उप प्रबंधक (विज्य) 805, ट्रांसफार्मर (Comm.)

परिणामिता विभाग, ट्रांसफार्मर Sales Divn.

डी एच ई एन भोपाल / BHEL, Bhopal

APPROVED BY

SHRI AKSHAY DAVE

DGM उप महाप्रबंधक / Dy. General Manager

DEPT परिणामिता विभाग / TRE Division

PH NO 5176, भोपाल / BHEL, Bhopal

DOCUMENT ENCLOSED

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
TRANSFORMER ENGINEERING DEPARTMENT

FORM NO: TRE-2003A

Sheet 2 of 2 sheets

14.	Pedestal insulator Type Minimum Creepage 1 min. Power frequency withstand voltage Lighting impulse withstand voltage	Porcelain/ Silicon rubber 438 mm 55 kVrms 125 kVp	
15.	The reactor shall be mounted high above ground level to allow free and safe access at ground level for personnel.	support structure height 2.55-meter excluding support insulator	
B	Testing requirement		
	Following routine tests shall be conducted on each NGR – • Measurement of winding resistance • Measurement of impedance at rated continuous current • Measurement of loss • Lightning impulse test • Appearance, construction and dimension check		
C	Other requirements		
1.	The neutral terminals of NGR shall be brought to the ground level by a brass/tinned copper grounding bar. The end of the brass/tinned copper bar shall be brought to the bottom of the tank, at a convenient point, for making bolted connection to Employer's grounding mat.		
D	Drawing requirement with bid		
	OGA Drawing Technical datasheet Rating plate drawing Duly filled, signed & sealed copy of this annexure		
E	Packing - The method of packing shall be such as to protect adequately the equipment with all its components parts against corrosion, dampness, heavy rain, breakage and vibration that might be encountered in transportation, handling & during storage at plant site.		
G	Inspection & Testing		
	• The supplier shall perform all tests as per clause B and inspections necessary to ensure that the material workmanship conform to the appropriate standards and the requirement of this specifications. • The purchaser at all times have reasonable access to the supplier's works to determine or access compliance with the provision of specification. The final tests on NGR shall be witnessed by BHEL or its customer POWERGRID or their authorized inspection agency. After confirmation of order, supplier to submit customer hold point clearance/interim inspection report & get it approved by M/s POWERGRID before commencing the manufacture of NGR. • Certified test reports and oscillogram shall be submitted for evaluation prior to dispatch of the equipment. • Copies of test reports shall be furnished after final approval.		
H	Vendor has to submit valid POWERGRID approval along with the bid. (If available)		
I	Vendor has to submit separate QA plan along with the bid.		

Sl. No.	Check Point	Remarks (Yes / No / NA / Value / %age)
1.	Technical Specification:	
a.	Sufficient copies of Technical Specification enclosed? (Total No. of vendors + 1)	Yes
b.	Sufficient copies of latest revision of drawing enclosed? (Total No. of vendors + 1)	N.A.
2.	Documents enclosed as per Nature of PI:	
a.	Emergency Certificate in designated format enclosed? (duly approved by HOD)	NA
b.	Single Tender Certificate in designated format enclosed? (duly approved by HOD)	NA
c.	Import Justification in designated format enclosed? (duly approved by HOD)	NA
d.	Customs duty applicability format enclosed?	NA
e.	Developmental PI: Supporting documents regarding justification for development of vendor Or MOM of MISCC meeting enclosed?	NA
3.	Vendor List:	
a.	Correct PMD No. & Material Category indicated in PI?	NO PMD
b.	Enquiry to be issued to all PMD vendors?	OPEN TENDER
c.	Is customer's vendor list applicable?	NA
d.	Customer approved vendor list is enclosed?	NA
e.	Justification with HOD approval for including additional Non-PMD vendors Or excluding any PMD vendor enclosed (if applicable)?	N.A.
f.	Contact details of additional vendors, provided for Non-registered vendors (if applicable)?	N.A.
4.	Inspection Requirements:	
a.	Source Inspection by BHEL/TPIA required?	BY POWERGRID /TPIA AT VENDOR WORKS
b.	Joint Inspection by BHEL & Customer required?	No
c.	Customer approved QA plan is applicable?	NA
d.	Copy of customer approved QA plan is enclosed?	NA
e.	No specific requirement. Inspection at BHEL?	N.A.
f.	Any specific inspection requirement for Import items, to be clearly listed.	N.A.
5.	Documents required from Vendor:	
	Documents required from vendor, along with offer, after PO placement and at the time of supply, to be clearly listed and indicated in PI (e.g. Test Certificates / Guarantee Certificate / QA Plan / Drawing / Information Booklet etc.)	Test reports, QA plan Guarantee Certificate Drawing etc.
6.	Basis of Estimation:	
	Basis of PI Estimation given? (Previous PO of identical item/ Budgetary quote/ Estimate calculations)	As per TRE Estimate Sheet
7.	Price Basis for PO	
a.	Firm Price / PVC?	Firm
b.	In case of PVC, whether PVC formula / PVC factor base rate mentioned?	N.A.
c.	PO to be placed on overall L1 basis Or Individual item L1 basis?	Individual L1
8.	Commissioning of Equipment / Payment Break-up:	
a.	Whether commissioning by vendor is required?	N.A.
b.	If yes, please indicate the payment break-up below:	
i)	Payment to be done upon supply (%):	N.A.
ii)	Payment to be done after commissioning (%):	N.A.
iii)	Time frame for commissioning of equipment, after supply? (Balance payment will be released after this period)	N.A.
c.	Performance Bank Guarantee required?	As per BHEL Std. T&C
9.	Warranty Requirements:	
	Warranty requirements and period clearly specified?	As per BHEL Std. T&C
10.	Delivery Destination	
a.	Material to site (GSOS)?	Yes
b.	In case of GSOS, whether PI issued in 3 series?	Yes
c.	Full consignee details and address given for all project sites?	Yes

Signature of indenter with date:

Suth/29/06/20

AD

VENDOR QUALIFICATION REQUIREMENTS: DRY TYPE AIR CORE NGR

SL. No.	DESCRIPTION	VENDOR'S REMARKS (Y/N)
1.0	TECHNICAL:	
1.1	Vendor or their principal should meet following conditions to be an eligible bidder for quoting against enquiry – Bidder shall be in business of Dry type air core NGR (Neutral Grounding Reactor). 1 no. valid un-priced PO copies along with proof of supply for same PO (e.g. LR copy / Invoice copy / Commissioning certificate etc.) of 145 kV Class dry type air core NGR, having PO date within 7 years of Bid date, have to be submitted for the same.	
1.2	Vendor should be OEM or their authorized representative. Authorization letter from OEM (in the case of not directly quoted by OEM) for quoting their system and providing installation and commissioning at site and after sales services to be submitted along with bid.	

Note-

1. Relevant documentary proof for above points must be furnished along with bid for scrutiny.
2. VQR shall be applicable for all suppliers.
3. After meeting above clause 1.1 & 1.2, price bid will be opened subject to approval of vendor from our end customer.
4. All documents must be in Hindi or English only.
5. BHEL reserves the right to verify information and documents submitted by the vendor. In case the information is found to be false/ incorrect, the offer shall be rejected.
6. New vendors who are not registered with BHEL, Bhopal to submit supplier registration form. This form is available on website www.bhel.com.

AD
29.6.20

[Signature]
29/6/2020

AGM (MRX)
MISCC
Member

[Signature]
29/6/20

AGM (TRM-P)
MISCC
Member

[Signature]

Sr. DGM (QTR)
MISCC
Member

[Signature]
29/6/2020

AGM (TRE)
MISCC
Chairman

PROBABLE LISTS OF VENDOR FOR DRY TYPE NGR.

Sl No	Vendor	Contact details	Phone No
1.	TBEA XINJIANG TRANSFORMER CO. LTD., CHINA.	tbea@tbea.com.cn yejun@tbea.com.cn nizam.khan@tbeaindia.com	Nizam Khan-9599291510 T- 0086-24-25698216 (please visit- http://www.tbea-usa.com/topmenu/contactus/)
2.	TBEA SHENYANG TRANSFORMER GROUP CO. LTD., CHINA.		
3.	BEJING POWER EQUIPMENT GROUP, BEJING, CHINA	energydeltacomengineers@gmail.com suprabhat.bpeg@gmail.com	Gaj Raj- 9818503579 Suprabhat Roy- 9433313911
4.	TRENCH, AUSTRIA/CANADA	sales@trench-group.com	43 732 67930 (Please visit- https://www.trench-group.com/contact/)
5.	QUALITY POWER, SANGLI	keshav@qualitypower.co.in	Kesauvram- 994 - 0215493 Nikhil - 7898930289
6.	SHRIHANS ELECTRICALS PVT. LTD	marketing@shrihans.com info@shrihans.com	Shubhangi- 9004215417