

MATERIAL DESCRIPTION, QUALITY REQUIREMENTS AND PRE QUALIFICATION REQUIREMENTS (PQR)

MATERIAL SIZE AND RESPECTIVE SPECIFICATION

W90415302633 ----- > 2 Nos.

PRIMARY WATER FILTER

(CLEANABLE TYPE FILTER ELEMENT WITH MAGNETIC BAR)

GRADE OF FILTERATION-100MICRON

SPEC: TG60702 REV: 06

QUALITY REQUIREMENTS:

(A) For NTPC/PVUNL approved vendors BHEL PMD vendors: -

- Testing and certification as per ordering specification and documents.

(B) For New Vendors: -

- Vendor to submit credentials in NTPC Sub-Vendor questionnaire format (enclosed) for further taking up with PVUNL/NTPC.
- Inspection shall be done as per PVUNL/NTPC approval conditions.

GENERAL INSTRUCTIONS TO PARTICIPATING BIDDERS

- Offers of those bidders will be considered for further processing which will be cleared in PQR compliance and technical scrutiny.
- Offered prices on GeM should be inclusive of all taxes, duties, local levies / transportation / loading-unloading charges etc., as per General terms & conditions on GeM.
- Vendor to Inform the %age of GST charges inclusive in the offered prices.
- Vendor to confirm that 100% input tax credit shall be applicable on the GST amount.

VENDORS/BIDDERS TO PROVIDE THE DOCUMENTS AS PER BELOW PRE-QUALIFICATION REQUIREMENTS (PQR). ONLY THOSE OFFERS WILL BE CONSIDERED WHO WILL QUALIFY THE PQR.

Mandatory Pre Qualification requirements for Primary Water Filter as per specification TG60702

Clause no. 2 to 5 are mandatory. Offer of vendors not meeting these requirements will not be considered.

- 1.0 The Primary Water Filter is used in the PW skid for water cooled generators. These are utilized for filtration of demineralised water, which cools the stator winding of generator. The Filter should be of very reliable and proven design to maintain the required parameters of primary water under all conditions, so that stator winding is not damaged.
- 2.0 The vendor should be a regular manufacturer of such PW filter with following requirements -

Si No.	Parameter	Value
(i)	Application fluid	Water
(ii)	Flow Rate	>25 m ³ /hr
(iii)	Working Pressure	> 3 bar
(iv)	Filtration Grade	<200 micron
(v)	Filter element type, material	Basket type, 316/316Ti

- 3.0 In support of above, vendor shall furnish technical details in below mentioned format for at least five no. (5) nos. of PW filter for the P.O executed in past 10 years (from date of enquiry) along with P.O copies meeting requirements as per point no. 2.

S. No.	Brief technical details	Application	Name & address of customer	Year of supply
	- Application fluid - Working pressure - Flow rate - Degree of Filtration -Type of filter - Material of body/flanges/inside parts	Water		

- 4.0 Vendor to furnish the test certificate for any one of the PO submitted against clause 3.0.
- 5.0 Acceptance certificate from one of the vendor's end user of PW filter supplied to them (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.
- 6.0 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.

STANDARD QUALITY PLAN (endorsed copy to be submitted with offer)

MANUFACTURER'S NAME AND ADDRESS			STANDARD QUALITY PLAN				TO BE FILLED BY BHEL		PROJECT NAME:		
BHEL	VENDOR'S NAME	ITEM	PW FILTER		QP NO.	QA/BE/OP/003					
				DATED & REV	30.11.2019 02						
		DRG. NO.	AS PER PO								
		SPEC. REV	TG60702 AS PER PO		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	10	11

1.0 RAW MATERIAL												
1.1	BODY, FLANGES, FILTER ELEMENTS, ADAPTERS, SEALING, INSIDE PARTS	CHEMICAL	MAJOR	CHEMICAL ANALYSIS	One/ HEAT	BHEL APPD DRAWING	BHEL APPD DRAWING	TC/COC	✓	P	V	
2.0 IN PROCESS INSPECTION												
2.1	WELD QUALITY	NDT	MAJOR	DPT	100%	BHEL SPEC	BHEL SPEC	TC	✓	P	V	
3.0 FINAL INSPECTION												
3.1	ASSEMBLY	HYDRAULIC TEST	MAJOR	HYDRAULIC	100%	BHEL SPEC/ BHEL APPD DATA SHEET	NO LEAKAGE	TC	✓	P	W	
3.2		PHYSICAL	MINOR	VISUAL	100%	BHEL SPEC	BHEL SPEC	IR	-	P	W	
3.3	PRESERVATION , PACKING AND MARKING	-	MAJOR	VISUAL	100%	BHEL SPEC	BHEL SPEC	-	-	P	-	

		LEGEND: RECORDS IDENTIFIED WITH '✓' 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	FOR CUSTOMER USE	
MANUFACTURER/ SUBCONTRACTOR				APPROVED BY