NTPC LTD

CC-OS

EOC NOIDA

Sub: Qualifying Requirement for Vendor Enlistment for supply of Bag filter.

A)	MEG DETAILS		
	1.0	MEG NO.	56MEC-08
	2.0	MEG DESCRIPTION	Bag filter
	3.0	RESPONSIBILITY CENTRE	CC
B)	**Technical Criteria of QR:** 1. The applicant should be a manufacturer of Bag filters. 2. The applicant should have supplied Bag filters to Thermal Power Plants for Fly ash Handling System.		
C)	**Other Documents to be submitted**: In addition to the documents required in support of meeting technical requirements as stated above, following documents are required to be submitted by the Applicants applying for enlistment:- 1. Three POs of the highest executed values of similar work during previous five years from the date of application. Copy of Invoice / Completion certificate from the concerned buyer/s in support of successful execution of supply against the POs to be submitted. 2. Audited balance sheet including Profit & Loss statement for the previous three completed financial years reckoned from the date of application. In case the audited documents are not ready / available, then certified copy by a registered practicing Chartered accountant may be submitted. 3. Latest annual report OR NSIC / SSI / MSME registration certificate / BIS license / ISO certificate / Certificate of registration from the concerned excise department / any other statutory document as a proof of being manufacturer of the required material. 4. Any other documents in addition to the above which the applicant wants to submit.		
D)	NOTE-1	Similar works means: Supply of Bag filters to Thermal Power Plants or Main package contractors for Ash handling /Dry Ash Extraction & Transportation system.	
	NOTE-2	The executed value means Basic value of quantity of similar works executed/supplied against the reference PO(also applicable to partly executed POs as on date of application).Where PO value is composite(i.e. including Taxes etc.),the applicant to give item-wise break-up of Composite PO value mentioning Basic Value, Taxes etc.	

NTPC LTD

CC-OS

EOC NOIDA

Sub: Technical Specifications for Vendor Enlistment for supply of Bag Filters.

A)	MEG DETAILS		
	1.0	MEG NO.	56MEC-08
	2.0	MEG DESCRIPTION	Bag Filters
	3.0	RESPONSIBILITY CENTRE	CC

B) **Technical Specifications: For filter bags (Fabric only) for buffer hopper & silo bag filter applications**

S.NO.	SPECIFICATION	BUFFER HOPPER	SILO
1	Safe Operating temperature		
	Continuous (deg C)	180	140
	Peak (deg C)	200	150
2	Site data		
	Drag to be attached (if any)		
	Length		
	Diameter		
3 a	**Fabric Composition MOC**	100% META- ARAMID	100% POLYESTER- PES
3 b	SCRIM MOC	100% High temp fibre glass	100% PES- Filament Scrim
4	Fabric Structure (Woven or non woven)	NONWOVEN NEEDLE FELT	NONWOVEN NEEDLE FELT
a.	Fabric Weight (gm/m2)	560 GSM	575 GSM
4 b	Fabric thickness(mm) (minimum)	2	2
5	**Tensile Strength sample size (200mmX 50mm)**		
5 a	Machine direction (KGS)	60 KGS	100KGS
5 b	Cross direction (KGS)	65 KGS	110 KGS
6	Bursting strength (kg)	25kg	35 kg
7	**Elongation at break (%)**		
7 a	Lengthwise	25%	30%
7 b	Crosswise	25%	35%
8	Air permeability @ 20mm wc	160 Liters/dm2/min	160 Liters/dm2/min
9a	Bag filter should be Calendered, Heat set, flame singed		

9b	Egg shell finish	NA	Yes
9 c	Oil & water repellent chemical treatment	Deep bath fluorocarbon (PTFE) treatment	Deep bath fluorocarbon (PTFE) treatment
10	For fabric above details to be complied. For other details, GA of bag filters assembly of OEM to be enclosed by site.		
11	Testing Requirements		

Filter bags from each production batch shall be tested for the following properties by the manufacturer prior to dispatch

1) Type of polymer : Test method ASTM D276
2) Weight : Test Method ASTM D 3776/IS 14716
3) Thickness: Test Method ASTM D 5199
4) Air Permeability : Test Method ASTM D 737
5) Tensile (Machine Direction & Cross Direction) and Elongation at Break (Lengthwise & crosswise) : Test Method ASTM D 5035/IS 1969
6) Bursting strength : Test Method ASTM D 3786/IS 1966
7) Dimensional, Finish & Treatment on each filter bag

NTPC RIO shall review manufacturer test certificate/ test record and shall select (at random) one bag of each type for each inspection lot for re- confirming the test result as per manufacturer test certificate/ test record at 3rd party specialized fabric testing labs like

- The Bombay Textile Research Association (BTRA)
- Indian Jute Industries Research Association (IJIRA)
- Dept. of Jute & Fibre Technology (University of Calcutta)
- Ahmedabad textile Industry's Research Association (ATIRA)

"Test Certificate" from the third party lab will be directly mailed/ dispatched to NTPC RIO.

If the randomly selected sample fails in testing, then re –testing will be allowed only once on double sampling basis (i.e. 2 bags of each type for each inspection lot, shall be selected at random), in the same third party lab in which original sample was tested. The lot shall be accepted only when both the samples selected pass the test in the third party lab.