

**NTPC LTD**

**CC-OS**

**EOC NOIDA**

**Sub: Qualifying Requirement for Vendor Enlistment for supply of “Conveyor Pulley”**

A)	MEG DETAILS		
	1.0	MEG NO.	55MEC-04
	2.0	MEG DESCRIPTION	<b>Conveyor Pulley</b>
	3.0	RESPONSIBILITY CENTRE	ER-II
B)	<p><b>Technical Criteria of QR:</b></p> <p>a. The applicant should be a manufacturer of Conveyor Pulleys.</p> <p>b. The applicant should have supplied at least 5 nos. Conveyor pulleys of Shell diameter minimum 800 mm to any material handling plant in Steel / Cement / Coal / Power/Aluminum Industry or Ports.</p> <p>c. The applicant should have the following in-house facilities:</p> <p>i. Plate Rolling / Bending machine</p> <p>ii. Heat treatment / Stress Relieving Facilities</p> <p>iii. Static Balancing Facility</p> <p>iv. Ultra Sonic Testing facility</p>		
C)	<p><b>Other Documents to be submitted:</b> 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:-</p> <p>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.</p> <p>2. Audited balance sheet including Profit &amp; 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.</p> <p>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.</p> <p>4. Any other documents in addition to the above which the applicant wants to submit.</p>		
D)	NOTE-1	Similar works means: Supply of Conveyor pulley having minimum shell diameter of 400 mm to any Steel/Cement Coal/Power/Aluminium industries or Ports	
	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 “Conveyor Pulley”**

A)	MEG DETAILS		
	1.0	MEG NO.	55MEC-04
	2.0	MEG DESCRIPTION	<b>Conveyor Pulley</b>
	3.0	RESPONSIBILITY CENTRE	ER-II
B)	<p><b>Technical Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Pulleys shall be manufactured and supplied for various conveyors as per attached drawing and specification. Pulley should conform to IS: 8531 (latest).</li> <li>2. All drive pulley surfaces shall be hot lagged with vulcanised natural rubber lagging grooved in diamond pattern. Lagging thickness - 12 mm thick grooved in diamond pattern with grooves 6 mm wide x 6 mm deep</li> <li>3. All non-drive pulleys shall be vulcanized natural rubber lagged (hot) with plain lagging. Lagging thickness - 12 mm thick plain</li> <li>4. The rubber lagging of pulleys and method of lagging and testing the same shall conform to IS:4682.</li> <li>5. The rubber to be used for lagging of pulleys shall conform to specifications listed below: <ol style="list-style-type: none"> <li>a. Type - Natural rubber blended with styrene Butadiene rubber.</li> <li>b. Hardness- 55 to 65 durometer (Shore A)</li> <li>c. Elongation - Over 300%</li> <li>d. Strength - 160-245 kg/cm<sup>2</sup></li> <li>e. Abrasion loss - 250 mm<sup>3</sup> (max.) as per DIN 53516</li> <li>f. Specific Gravity - Max. 1.5</li> <li>g. Adhesion Strength - 10 kg/cm (minimum)</li> </ol> </li> <li>6. The pulleys shall be made from mild steel conforming to IS:2062 (Tested Quality). However, for conveyors with in line magnetic separators, the head end pulleys shall have shell and end disc made of non-magnetic stainless steel material.</li> <li>7. All the pulleys shall be mounted on the forged steel shafts of EN-8 or equivalent material of adequate proportion by taper lock arrangement.</li> <li>8. Suitable stiffening arrangements shall be provided in all pulleys. Pulley diameter, shell thickness, stiffening and shaft diameter shall be as per attached drawing</li> </ol>		