

**NTPC LTD**  
**Vendor Development Cell, CPG-1, Raipur**

**Sub: Qualifying requirement for Centralized Enlistment of Vendors for Safety Net.**

A)	<b>MEG Details</b>		
	1.0	MEG No.	29MEG-08
	2.0	MEG Description	Enlistment of Vendors for Safety Net.
	3.0	Responsibility Centre	CPG-1/ VDC
B)	<p><b>Technical Criteria of QR:</b></p> <ol style="list-style-type: none"> <li>1. The applicant should be a manufacturer of Safety Nets as per IS-11057:1984 or its latest edition.</li> <li>2. The applicant should have supplied at least 500 Sq Mtrs of Safety net as per IS 11057:1984 or its latest edition in single PO (different size of safety nets can be considered) to any industrial establishment during last five years from the date of application.</li> </ol>		
C)	<p><b>Document to be submitted by the applicants against qualifying requirements:</b></p> <ol style="list-style-type: none"> <li>i. Catalogue / Brochure / Leaflet of <b>Safety Net</b> being manufactured by the party any other relevant documents like ISO Certificate / Quality Plan/MSME/BIS etc.</li> <li>ii. Any credential document like LOA / Purchase Order and execution proofs etc, LOA / PO Date should not be more than 5 years old on date of application submission.</li> <li>iii. Self certification by the manufacturer regarding the availability of manufacturing and testing facilities as sought in the QR along with details of make, model &amp; specification and photo of the machines.</li> </ol>		
D)	<p><b>Other documents to be submitted:</b></p> <p>In addition to the documents required in support of meeting technical requirements as stated above, following documents are required to be submitted by the applicant for enlistment:</p> <ol style="list-style-type: none"> <li>1. Three POs of highest executed values of similar work during last five years from the date of application (PO date should not be more than 5 years old on the date of the application) along with copy of invoice / completion certificate from the concerned buyer/s in support of successful execution of supply against POs.</li> <li>2. Audited balance sheet including profit and loss statement for the previous three completed financial years reckoned from the date of application.</li> </ol> <p>In case the audited results for the preceding financial year is not available, certification of financial statements from a practicing chartered accountant may be submitted. In case, Applicant is not able to submit the certificate from practicing chartered Accountant certifying its financial parameters for the preceding financial year, the audited results of three consecutive financial years preceding the last financial year shall be considered for evaluating the financial parameters.</p>		

	<p>Further a Certificate would be required from the CEO/CFO as per the format enclosed in the application format documents stating that the financial results of the company are under audit as on the date of Application and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.</p> <p>3. Any other document in addition to the above which the applicant wants to submit.</p>	
	Note-1	Similar works means: Supply of Safety Nets to any Industrial establishment.
	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 shall give item wise breakup of Composite PO value mentioning Basic value, Taxes, etc.

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**Vendor Development Cell, CPG-1, Raipur**

**Sub: Qualifying requirement for Centralized Enlistment of Vendors for Safety Net.**

A)	<b>MEG DETAILS</b>		
	1.0	MEG NO.	29MEG-08
	2.0	MEG DESCRIPTION	Safety Net
	3.0	RESPONSIBILITY CENTRE	CPG-1/VDC
B)	<p><b>Technical Specifications:</b></p> <p><b>1. TYPE OF SAFETY NET</b>  (i)The safety net should be <b>Double layered Industrial Safety Net</b> with overlay containment net manufactured with all tolerances as <b>per IS:11057 (Latest edition)</b>.</p> <p><b>2. APPLICATION:</b>  (i)It would be designed to catch personnel falling from height, and also restrict falling of materials/debris, where work at height is being carried out.</p> <p><b>3. DUTY HEIGHT:</b> Maximum 6 Mtrs</p> <p><b>4. SIZE</b>  (i) Size of Safety Net: Minimum Size 4 Meters (Length) x3Metre(Breadth) and Maximum Size 20 Meters (Length) X 10 Meters (Breath). Vendor may have to supply any combination of length and breadth equal to or between the above dimensions. Length and breadth of safety net can vary upto +/- 2%.</p> <p><b>5. MATERIAL SPECIFICATIONS</b>  (i) High strength Poly propylene (PP) Rope conforming to <b>IS 5175 (latest version)</b>.  (ii) The polypropylene ropes fibres should have ultra violet stabiliser incorporated in it.  (iii) The Mesh cord, Border cord and Tie cord and Yarn strands will be flexible and uniform and free from all defects.  (iv) Ropes should have ISI mark.  (v) The ends of all the chords in the rope shall be secured to prevent unravelling.  (vi) Safety net may be man-made/machine knotted and steam treated for anti - slippage, accurate mesh size.</p> <p><b>6. FIRST LAYER/INDUSTRIAL SAFETY NET</b>  (i)<b>Border Cord/ Rope:</b> 16mm diameter polypropylene rope conforming to IS:5175 (Latest edition).  (ii) <b>Tie Cord/ Rope:</b>  a) Minimum 12mm diameter polypropylene rope of 4 meters (Min.) length shall be fixed at each corner of the safety net for securing it.  b) Minimum 12 mm diameter polypropylene rope of 3 meters (Min.) length shall be provided for securing net at an interval of 100 cm each on length and breadth of the safety net on all sides.  (iii) <b>Mesh rope:</b> 6mm diameter polypropylene rope conforming to IS:5175 (Latest edition).  (iv) <b>Mesh Type and Size:</b> Square or diamond mesh of mesh size max.70 X70 mm or less. All mesh crossings shall be secured to prevent enlargement of the mesh opening. No other mesh type is acceptable.</p>		

**7. SECOND LAYER/OVERLAY CONTAINMENT NET:** The industrial safety net should be provided with overlay containment net of following specification:

- (i) **Border Cord/ Rope:** 16mm diameter polypropylene rope conforming to IS:5175 (Latest edition).
- (ii) **Mesh size:** 15 mm or less.
- (iii) **Mesh Rope:** 1mm (Min.) diameter HDPE rope (twine rope).

**8. SAFETY NET MARKINGS**

- (i) Each net shall be provided with soft flexible permanent labels of textile or plastic material at two different positions and also marked with indelible ink in letters of 3 cm in height in following wording:
  - (a) Maximum distance below working level x meters. Where x is duty height at which the net complies with requirements
  - (b) Manufacturers Name or Trademark
  - (c) The Nominal Size of Safety net
  - (d) The Date of Manufacture
  - (e) The Deflection at Centre of Net.

**9. TEST CERTIFICATES**

- (i) Test certificate stating that safety net is as per **IS 11057** and safety net ropes conform to **IS 5175** shall be given along with delivery of the material.
- (ii) Current IS 5175 certification of rope manufacturer and Test Certificate of the ropes from Manufacturer/NABL accredited lab conforming to IS: 5175 to be submitted along with supply, duly indicating Test Report no. & date along with name of the lab with its accreditation number.
- (iii) Manufacturer shall submit a certificate with each batch of nets of the same type & construction that specifies:
  - (a) Type of net, method of construction & material used.
  - (b) Breaking strength of the mesh & border cords in the net supplied.
  - (c) Breaking strength of the mesh & border cords in the net that has been tested as described in IS 11057
  - (d) Drop height & deflection at centre of net with the same construction when tested as per IS 11057.