

Punjab State Power Corp. Ltd. (PSPCL) invites Expression of interest (EOI) from the interested National manufacturers of the following items to standardize them for purchases against the requirement for three Thermal Power Stations -1260 MW (6x210 MW) Super Thermal Plant GGSSTP Ropar, 920 MW (2x210 MW Stage-I & 2x250 MW Stage-II) GHTP Lehra Mohabat and 440 MW (4x110 MW) GNDTP Bathinda.

Sr. No.	Name of Items
a)	Coal Conveyor Belt
b)	Coal Belt Rollers
c)	Cold Vulcanizing Solution of jointing of Conveyor Belts

The detailed EOI can be down loaded from PSPCL website www.pspcl.in

The last date for submission of EOI is 12.08.2013

Dy. Chief Engineer/Mechanical
For Chief Engineer/ Th. Designs
Shakti Vihar, PSPCL,
PATIALA-147001

Punjab State Power Corporation Limited

**Office of Chief Engineer, Thermal Designs, T-2, THERMAL DESIGNS SHEDS, SHAKTI
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INVITATION FOR EXPRESSION OF INTEREST (EOI) FOR STANDARDISATION OF FIRMS FOR COAL CONVEYOR BELTS, COAL BELT ROLLERS & COLD VULCANIZING SOLUTION FOR JOINTING OF CONVEYOR BELTS.

Expression of Interest:

EOI is invited from National manufacturers of the following items to standardized them for purchases against the requirement for three Thermal Power Stations -1260 MW (6x210 MW) Super Thermal Plant GGSSTP Ropar, 920 MW (2x210 MW Stage-I & 2x250 MW Stage-II) GHTP Lehra Mohabat and 440 MW (4x110 MW) GNDTP Bathinda.

Sr. No.	Name of Items
a)	Coal Conveyor Belt
b)	Coal Belt Rollers
c)	Cold Vulcanizing Solution of jointing of Conveyor Belts

A. CONVEYOR BELT SPECIFICATIONS FOR COAL HANDLING PLANT:- The applicant should have the experience of manufacturing conveyor belt having width 900/1050/1200 and 1500 mm with following specifications

Sr. No.	Belt width (MM)	Duck material	Design	No. of Plies	Top/Bottom Cover	Grade of Rubber	Special requirement
1.	900/1050 / 1200/ 1500 mm	Nylon/N ylon	500/5, 1250/4 Ply	4/5 (Pre-stretched Straight and Skim coated	5/2 mm	N-17/FR As per ISO-340	Cut Edge

- a) Belt shall be suitable for heavy duty conditions conforming to the latest version of IS 1891(part-5); 1993 and other relevant IS standards(latest version) as detailed below:-
1. IS:1891 (part-1) 1994
 2. IS:3400(part-IV), 1987
 3. IS:4240, 1984
 4. ISO:340
- b) Conveyor belt should be manufactured from fabric supplied by M/s Nirlon or M/s SRF or M/s Madura Coats.

Note:

- i. The above specifications are guidelines for standardization only. Actual specifications shall be made available at the time of procurement.
- ii. Firms should be regular supplier of the similar material to reputed organisations like NTPC, L&T, Major Thermal Power Plants & other material Handling Plants like coal mines, cement, fertilizer and steel plant, etc.
- iii. Firm should be equipped with all inhouse testing facilities as per relevant IS for carrying out the test & quality control of the material during and after the manufacturing process.

B. Coal Belt Rollers

The applicant should have the experience of manufacturing coal belt rollers with following specifications; (Carrying, Impact, Straight Return, Garland) for 900/1050/1200 /1500 mm wide conveyer belts as under:

- a) **Tube Dimensions:**
- i. Length upto 1700mm
 - ii. O.D. upto 159.0mm
 - iii. Shell thickness upto 5.4mm
- b) **Shaft Dimensions:**
- i. Length upto 1760mm
 - ii. Shaft dia at Brg. Zone 30mm
 - iii. Stopped down upto
 - iv. Shaft dia at Centre upto 32mm
- c) **Bearings:** Anti seized deep Groove Ball Bearing of SKF/FAG make.

Note:

- i. The above specifications are guidelines for standardization only. Actual specifications shall be made available at the time of procurement.
- ii. Firms should be regular supplier of the similar material to reputed organisations like NTPC, L&T, Major Thermal Power Plants & other material Handling Plants like coal mines, cement, fertilizer and steel plants, etc.
- iii. Firm should be equipped with all inhouse testing facilities as per relevant IS for carrying out the test & quality control of the material during and after the manufacturing process.

C. Cold Vulcanizing Solution for jointing of Conveyor Belts.

The applicant should have the experience of manufacturing Cold Vulcanizing Solution for jointing of Conveyor Belts with following specifications

a) **ADHESIVE:**

- i. Application: Ideal for bonding rubber to metal, rubber to rubber, conveyor pulley lagging Repair and splicing conveyor belt with fabric plies of Nylon.
- ii. **Chemical Composition:**
 Polymetric Mixture : 15+/-2%
 Aromatic & aliphatic Hydrocarbon : 85+/-2%
- iii. **Physical Properties:**

Physical State	Liquid State (at 25 ⁰ C)
Density	0.92+/-0.03 at 25 ⁰ C
Viscosity	10-14 Minutes at 25 ⁰ C in Ford Cup Method 2200 to 2500 MP as, in HAAKE Viscometer in Spindle R4, 60 RPM @ (25 ⁰ C)
Shelf Life	6 months
Pot Life	The Pot life of mixed solution shall be 2-3 Hrs at 23 ⁰ C
Packing	5 Ltrs. (4.6 Kg.)

b) **HARDENER COMPOUND:**

- i. Application: To be mixed with respective Cold bonding Adhesive in prescribed ratio before use.
- ii. Chemical Composition: Polyisocyanate in Methylene Chloride.
- iii. Physical Properties:

Physical state	Liquid state
Density	1.26+/-0.05 gm/cc (at 25° C)
Solvents	Methylene Chloride
NCO Content	6% +/-1%
Solid Content	23+/-2%
Shelf Life	6 months
Packing	45ml (56gms) or minimum quantity required to be mixed in one litre adhesive.

Note :-

Firm should have supplied 500 to 1000 lts (each) Cold Vulcanizing Solution for minimum three times to reputed organisations like NTPC, L&T, Major Thermal Power Plants & other material Handling Plants like coal mines, cement, fertilizer and steel plants etc.

The applicant firms should have minimum annual turn over of Rs. 2.0 Crs. for Coal Conveyor Belt, Rs. 1.0 Cr. for Coal Belt Roller & Rs. 1.0 Cr. for Cold vulcanizing solution for jointing of conveyor belts. Further in order to evaluate the firms, the following data shall be required to be furnished in support of their technical & financial capabilities giving Company Profile, Audited Balance sheets/profit & loss account for last 3 years, Financial Status, Manpower details, detail of Works, POs executed, Performance Certificates, fabric to be used (in case of coal Conveyor Belts only), List of Testing equipments, List of machinery installed for manufacturing of material, List of Clients/Customers, Production Capacity, ISO/ISI/BS certification, Inhouse facilities to carry out tests as per IS/BS, Previous dealing with PSEB (now PSPCL) if any, Income Tax clearance Certifications, Product Catalogue and Quality Assurance Plan(QAP) etc.

Work appraisal:

The work appraisal of the short listed firms shall be carried out by PSPCL. The short listed firms outside Punjab shall have to deposit a sum of Rs 50, 000/- and Rs. 25, 000/- for the firms located inside the state for carrying out the work appraisal.

The recommendation of the work appraisal does not give any right to the the firm to be on the standardized list of PSPCL. The decision of the competent authority of PSPCL in this regard shall be final and binding on the firm.

Procedure for Submission of EOI:

Detailed EOI alongwith documents confirming compliance with technical and financial requirements and equity may be submitted by 12.08.2013. Documents sent through e-mails will not be accepted.

Address for Communication and Submission of EOI:

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Shed No. T-1,
Thermal Designs Complex,
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