



M. P. POWER GENERATING CO. LTD.

O/o Executive Director (Material Management)

ISO 9001:2015 Certified

Govt. OF M.P. Undertaking CIN –U- 40109MP2001SGCO14882



**TENDER DOCUMENT FOR PROCUREMENT OF 'FR' & 'NFR'
GRADE CONVEYOR BELTS FOR VARIOUS TPS OF MPPGCL ,
TENDER NO.- 2026_MPPGC_505315_1**

TENDER SPECIFICATION

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(M.P.)**

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“TECHICAL SPECIFICATION”

SUB :- Procurement Of ‘FR’ & ‘NFR’ Grade Conveyor Belts For Various TPS of MPPGCL.

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(1) **CONSTRUCTION:-**

- (a) The belt shall consist of plies of woven fabric suitably impregnated with rubber and having rubber covers, the whole being vulcanized together in a uniform manner.
- (b) The construction of the carcass of the beltings shall be ‘Full Width Ply.’
- (c) The fabric for Nylon-Nylon Conveyor Beltings shall be Nylon Yarn only. The fabric used should be evenly and firmly woven and shall be free from foreign material and defects like knots, lumps etc. The average elongation of the fabric ply shall be as per IS-1891.

Please ensure that quality Fabric of reputed make viz. Shree Textile/ Bonded Textile/Madura Textile etc. should be used for manufacturing of conveyor belt. The make of fabric may be indicated in offer and submit documentary evidence for fabric used for manufacturing of conveyor belts along with each lot of supply.

- (d) The minimum full thickness tensile strength shall be attained by incorporating in plies of all Nylon Fabric of suitable strength and the belting shall have 100% Nylon reinforcement in the required tensile strength.
- (e) **Transverse Joints:-** Transverse joints in the plies shall be made at an angle of 45 degree to 70 degree to the longitudinal axis and minimum distance between the transverse joints in the same ply shall be as per section 11 of IS-1891 (Part-I) 1994.
- (f) **Longitudinal Joints:-** Section 12 of IS 1891 (Part-I) 1994 may please be referred regarding spacing and number of longitudinal joints permissible.
- (g) **Cover Thickness:-** These should be as indicated in the schedule. The average value of cover thickness shall not fall below the specified thickness by more than 0.2 mm upto cover thickness of 4.0 mm and 5% for cover thickness over 4 mm as per Section-8 of the IS-1891 (Part-I).
- (h) The minimum Tensile strength in FR grade of the rubber cover shall be 17 MN/M² and minimum elongation at break 350%. The cover shall be tested as per Canadian Standard-CAN/CSA-M422- M87 for fire resistance and antistatic requirement.
- (2) The minimum Tensile strength in **NFR grade Conveyor Belt** N-17 grade of the rubber cover shall be 17 MN/M² and minimum elongation at break 400%.
- (3) **TOLERANCE ON LENGTH:-** The tolerance on the open lengths of the belting to be supplied shall be +2% and -0.5%.
- (4) **TOLERANCE ON WIDTH:-** The tolerance on width shall be within plus-minus 1% of the belt width.
- (5) **ELONGATION OF FULL THICKNESS BELTING:-**
The elongation of the full thickness belting when tested in the longitudinal direction, shall not be more than 3% at the reference load (10% of the

specified tensile strength of the belt in the longitudinal direction) and not less than 10% at break.

- (6) **ADHESION:-** The adhesion between the individual plies and between the cover and the plies shall be such that when tested in the manner described in the IS-1891 (Part-I), the force required to cause separation of the plies shall be as under:-
- Adhesion between individual plies - 5.25 KN/M width.
 - Adhesion between cover and plies - 4.50 KN/M width.
- (7) The belt construction offered should have adequate strength to support load of max. bulk density of 2.5 MT/M³. The material to be carried on the required belt is coal.
- (8) Properties/ characteristics for rubber cover of conveyor belting shall be maintained indicated as below:-
- | | | | |
|----|---|----------------------|-----------------------------------|
| a) | Limits of percentage change in elongation at break and tensile strength after ageing at 70 ± 1°C for 72 hrs. as per IS-3400 (Part-IV) | i) Elongation | +10
-25 |
| | | ii) Tensile Strength | +10
-20 |
| b) | Shore Hardness (A ⁰) | | 70±5 |
| c) | Abrasion Resistance value when tested in line with DIN 53516 | | |
| | (i)FR Grade Conveyor Belts | | : 250 mm ³ (max.) |
| | (ii)NFR Grade Conveyor Belts | | N-17 : 200 mm ³ (max.) |
- (9) Tear Resistance value of conveyor belting when tested in line with DIN 53507 shall be as below:-
- Sence A: 20N/mm (min.)
 - Sence B: 12N/mm (min.)
- (10) **FR GRADE CONVEYOR BELTS:** The fire resistance characteristics as indicated below shall be tested as per Canadian Standard CAN/CSA-M 422-M 87.
- Flame Test
 - Drum Friction Test
 - Electrical Resistivity Test
- (11) **MARKING ON BELTS:-** Following markings shall be marked at the interval of 5 to 10 M on the carrying surface of the belt.
- The specified type of fabric.
 - The grade of rubber cover.
 - No. of plies.
 - Year of manufacture.
 - Manufacturer's Trade Mark.
 - I.S. Marking, if any.
- (12) **ROLL LENGTH:-** The conveyor belting shall be supplied in rolls of approx. 200/250 mtrs length each.

- (13) **PACKING** :- The conveyor belting shall required to be securely and suitably packed on wooden drums as per applicable IS, so as to withstand transit hazards. The rolled conveyor belting shall be wrapped with rubberized fabric, before finally putting the side planks on the drums.

On both sides of the drums, specification of conveyor belt, purchase order no., year of manufacture and manufacturer's trade mark shall have to be painted properly for identification.

- (14) The supplier shall have to ensure that there will not be any problem in joining one length of FR grade belt with another length of existing Grade Conveyor belt.

- (15) **Quantity**: The tentative quantity of FR & NFR Grade Conveyor Belts covered against instant tender is indicated in enclosed Schedule-IA & IB for first and second year respectively. MPPGCL reserves the right to increase/decrease or drop part quantity of any one item or whole of the quantity covered in this tender, without giving any reason, whatsoever. **The contract shall be valid for the period of two years from the date of order.**

- (16) **Price Variation** :- The price will vary (Up or Down) with variation in the monthly price indices as mentioned in given website #

Ø Rubber Price Index # GOI Rubber Board Ministry of Commerce & Industry. Rate of Natural Rubber (Grade RSS-4) Kottayam will be considered. Web Site - <https://rubberboard.gov.in/public>

Ø Carbon Black # Wholesale Price index > Office of the Economic Adviser > Select Year, Group (Carbon) > Carbon Black. Web Site- <https://eaindustry.nic.in/>

Ø Fabric - Wholesale Price index > Office of the Economic Adviser > Select Year, Group (Fabric) > Rubberized dipped fabric. Web Site- <https://eaindustry.nic.in/>

Ø Consumer Price Index # Labour Bureau Ministry of Labour & Employment, Govt. Of India. Web Site - <https://labourbureau.gov.in/>

Ø Fuel & Power - Wholesale Price index > Office of the Economic Adviser > Select Year, Group (Fuel) > Fuel & Power. Web Site- <https://eaindustry.nic.in/>

$$S_{\#t\#} (HR) = S_{'0'} \times (0.20 + 0.46 * R(SM-1)/R(QM-1) + 0.09 * C(SM-1)/C(QM-1) + 0.13 * F(SM-1)/F(QM-1) + 0.06 * CPI (SM-1)/CPI (CM-1) + 0.06 * E (SM-1)/E (QM-1))$$

Definitions#

S #t# Escalated/de-escalated Belt price (Rs/Meter). The Escalated/De.-escalated price shall be rounded to up to two decimal places.

S'O' Belt Price (Rs/Meter) mentioned in LOA without GST.

- R (SM-1) Average monthly price of Natural Rubber (Grade RSS-4) as circulated by Indian Rubber Board during month just preceding the month of delivery (Gate entry date of ISP).
- R (QM-1) Average monthly price of Natural Rubber (Grade RSS-4) as circulated by Indian Rubber Board during the month just preceding the month of date of tender opening.
- C (SM-1) Whole sale price Index of Carbon Black during the month just preceding the month of delivery.
- C (QM-1) Whole sale price Index of Carbon Black during the month just preceding the month of date of tender opening.
- F(SM-1) Whole sale price Index of "Rubberized dipped fabric "during the month just preceding the month of delivery.
- F (QM-1) Whole sale price Index of "Rubberized dipped fabric" during the month Just preceding the month of the date of tender opening.
- CPI (SM-1) "Consumer Price Index for Industrial Workers - All India" during the month just preceding the month of delivery as per Labour Bureau.
- CPI (QM-1) "Consumer Price Index for Industrial Workers - All India" during the month just preceding the month of the date of tender opening as per Labour Bureau.
- E (SM-1) Whole sale price Index of "Fuel & Power" during the month just preceding the month of delivery.
- E (QM-1) Whole sale price Index of "Fuel & Power" during the month Just preceding the month of the date of tender opening.

PRICES :- Invoices for payment shall be raised considering price indices indicated in PV formula one month prior to date of readiness of material offered for pre-dispatch inspection. The payment against price variation shall be made accordingly.

- (17) **Calculation of unit rate against PV formula :-** The supplier shall adhere to the stipulated timeline for execution of order viz. submission of intimation for date of readiness of material for pre-dispatch inspection within 60 days of placement of indent and delivery of material within 30 days after of issue of dispatch instruction. The applicable unit rates determined by the PV formula, shall be calculated based on relevant indices prevailing one month prior to date of readiness of material. The same shall be indicated in DI for release of payment to the firm.

In the event of any delay in supply at any point of execution of order then the rates applicable for raising of invoice shall be calculated on the basis of Price Indices (latest available) on the date of receipt of material at site stores. The same shall be compared with rate indicated in D.I and lower of two evaluated rates (by PV formula) shall be considered for release of payment.

(18) PENALTY :-

- (i) The penalty shall be calculated on the rates indicated in D.I. (Dispatch Instruction)

- (ii) Risk Purchase :- In case of non-supply of material risk purchase on cost of firm will be done and penalty shall be calculated on rates as per eventualities defined below :-
- The material is short in supply as compared to the Formal Dispatch Instructions, then the rates of original order shall be considered for calculation of penalty on short supplied items.
 - In case when indent conveyed but date of readiness not communicated by the firm, the penalty shall be calculated on the rates of original order.

The time and the date of delivery of the stores stipulated in the order shall be deemed to be essence of the contract. In case of delay in execution of the order/part quantity of indent not supplied, the MPPGCL may at its option shall recover from you, unconditional penalty of $\frac{1}{2}$ % (half percent) of the price of any stores not delivered per week or part thereof subject to maximum of 10%.

For further details, please refer Clause No. 2.26 (page-44) of Standard Bid Document.

- (19) **Short supply** :- Any material received in short (less quantity) against indented quantity shall be short closed PO/DI wise on ERP and not on complete ordered quantity .
- (20) **Price Bid and applicable Delivery Schedule:**

The Price bid is in two parts and delivery period for respective price bid is as under: Bidder are requested to submit their competitive rates preferably in price bid part A with PV formula or both/ price bid Part-B with fixed price.

Price Bid Part A-With PV formula:- Rates valid with price variation formula for the quantity of 2 years are to be quoted by the bidder. In case of placement of order on lowest basis, fifty percent (50%) of item wise quantity of the first year (FY 2026-27) shall be supplied within four months from the date of placement of order on their quoted L-1 rate. The indent for the balance quantity shall be placed at four/six month intervals as per site requirement, over a period of 20 months. The variable rate shall be applicable for these supplies. The firm shall confirm readiness of the material for pre-dispatch inspection within 90 days from the date of indent and shall deliver the material at site stores within 30 days from the date of dispatch instructions.

The bidder shall furnish invoices for payment as per unit price indicated in D.I. as per clause 16.

Price Bid Part B-With fix price: Full item wise quantity of the first year (2026-27) shall be supplied within eight (8) months from the date of placement of order at the quoted L-1 firm rate. For date of delivery & date of readiness for pre-dispatch inspection, SBD conditions shall apply.

MPPGCL will prefer to place order for quantity of 2 years with PV(Price Variation) clause, therefore:-

- (i) In case received qualified offers with price bid Part A (variable) are more than one bidder, MPPGCL shall consider the Price Bid part A to evaluate L-1 rate under the PV formula and place the order with delivery terms as per Price Bid Part A clause above.
- (ii) In the event of receipt of only one qualified offer with price bid Part-A (variable) and no/one offer with Price Bid part "B" (firm), MPPGCL shall consider the Price Bid part A to evaluate L-1 rate under the PV formula and place the order with delivery terms as per Price Bid Part A clause above.
- (iii) In the event of receipt of only one qualified offer with price bid Part-A (variable) and more than one offer with Price Bid part "B" (firm), then Price Bid part B shall be considered and order shall be placed to L-1 bidder with delivery terms as indicated in "Price Bid Part B".
- (iv) In event of receipt of no valid offer under Price Bid Part A, (variable) MPPGCL shall consider the Price Bid part-B (firm) of all the qualified bidders to evaluate L-1 bidder and place the order with delivery clause indicated in Price Bid Part -B.

Note :-

- a) Any one part of price bid (i.e. part A or B) shall be considered for opening as indicated above and the other part of price bid (i.e. part A or B) shall be rejected accordingly.
- b) In case of placement of order on fixed prices order shall be placed for 1 year only.
- c) If the material is delayed at any point of execution of order then the rates applicable for raising of invoice (conveyed with DI considering date of readiness within stipulated period as per WPI rates) and the itemwise rates evaluated on the basis of rates of WPI (latest available) on the date of receipt of material at site stores shall be compared (as derived by PV formula) and lower side evaluated rates (by PV formula) shall be considered for payment.

(21) Evaluation of quoted Prices: - The L1 bidder will be decided on first year BOQ basis. Same L1 bidder shall be applicable for second year also. Fixed difference shall be calculated on the base date and same shall be applicable throughout the contract period.

(22) Security Deposit: - On receipt of the order, the successful bidder has to submit the security deposit within 15 days from the date of the order, for an amount of 10% (Ten Percent) of the 1st year order value as security to cover the performance

guarantee/contract period plus six months Grace Period for settlement of liabilities and other terms of security deposit Clause 2.8 of Standard Bid Document (SBD) shall be applicable.

- (23) MPPGCL reserves the right to place order on L2 bidder on risk and cost of L1 bidder if material is not offered for pre-dispatch inspection within 120 days from the date of indent from respective indenting authority/consignee or if not delivered to respective stores within 60 days from the date of issue of dispatch instructions.
- (24) The quantity allotted for first & Second year period shall be indented during respective years only and the balance not allocated quantity of respective year shall be lapsed.
- (25) **QUALITY ASSURANCE PLAN:-** Firm has to submit QAP within 15 days of receipt of purchase order, which will be followed during manufacturing of items having details of inspection/tests to be carried out during manufacturing process and details of inspection & testing to be carried out in presence of MPPGCL Engineer at the time of pre dispatch inspection for purchaser's review & necessary action. The purchaser reserves the right to witness any or all tests to be conducted as per QAP during manufacturing process.
- (26) **PERFORMANCE GUARANTEE:-** Material supplied should be guaranteed for 12 months from the date of installation or 18 months from the date of receipt of the last consignment at site, whichever is earlier. In case any defect is observed in the material supplied within the guarantee period, then free replacement shall be made by the supplier at power stations stores and guarantee period for the replace material shall be recounted from the date of replacement.
- (27) **PART QUANTITIES / PART ITEMS-** Purchase orders shall be placed on lowest offered rate firm on Part items /Part quantities basis as per tender specification.
- (28) **INSPECTION:-** Prior to dispatch of each consignment material shall be inspected by MPPGCL's representative and/ or Third Party Inspection Agency at suppliers works on receipt of inspection call. Intimation regarding readiness of material for inspection shall be given to the order placing authority well in advance at least 10 days. The supplier at their own cost shall provide facilities for inspection. However, Pre-dispatch inspection shall not relieve the supplier of his responsibility for supplying quality material.

The pre-dispatch inspection shall be carried out as per relevant IS and tender specification. The pre-dispatch inspection report shall be furnished to MPPGCL for review and material dispatch instruction shall be issued by MPPGCL after reviewing the pre-dispatch inspection reports.

During pre-dispatch inspection, sample from offered material (one sample/lot/size) may be drawn and the complete testing of these sample as per provision of the specification and IS may be carried out from the Govt. approved lab/ NABL accredited such as Shri Ram Laboratory, New Delhi and M/s Jyoti Spectro Laboratory, Hyderabad etc. The final selected test samples shall be sealed jointly and MPPGCL/Third Party Inspection Agency/ firm shall arrange to hand-over/deliver test samples to Govt. approved lab/NABL Accredited lab. However the final acceptance of material shall be granted by the Chief Engineer (MM), MPPGCL, Jabalpur after receiving the satisfactory results of the test sample from the Govt. approved lab. All the testing charges/fees shall be borne by supplier.

If the material of specified Lot not found as per P.O. terms/specification then entire Lot will be rejected and whole responsibility to shift material back to supplier's works shall be on the part of supplier and MPPGCL shall not give any compensation on this account and also supplier shall replenish supply of such rejected Lot within a period of one month from the date of rejection.

Such inspection and acceptance for dispatch shall not however relieve the supplier from entire responsibility for supplying the material confirming to the requirements of the order nor shall be prejudice to any claim because of defective or unsatisfactory material.

The belt shall be manufactured and tested as per IS:1891,Part-I & V (Latest).

Test shall be carried out on samples taken from any part of the belt roll including middle from each lot offered for the pre-dispatch inspection. In that case roll in two parts will be acceptable.

Routine test report/certificates shall include details of standard to which the tests are performed, test parameters, acceptance criteria, test set up etc. used during the testing along with the test piece details/rating and the detailed test record and final test result.

All inspection, measuring and test equipment used by the supplier shall be calibrated periodically. The supplier shall maintain all relevant records of periodic calibration, instrument identification.

Rubber cover shall be checked for tensile strength and elongation at break before and after ageing.

For finished belts, checks for elongation as % of nominal tensile strength, tensile and elongation at break in longitudinal (Wrap) direction, tensile and elongation at break in traverse (Weft) direction shall be carried out.

Adhesion test between individual plies and cover and plies shall be carried out. Troughability test shall be carried out.

Test for fire resistance of the belt shall be conducted.

In no case shall the cover thickness or the width of the belt be less than that given in specification. No negative tolerance will be allowed on the same.

Rubber cover shall also be checked for abrasion, tear strength and hardness.

Test certificate shall be provided by supplier during inspection for Ny-Ny fabric for review.

Following acceptance test shall be carried out in the Govt. approved lab on the sample taken from each LOT dispatched to site for the following properties of the belt for the purpose of acceptance of LOT :-

- i. Type of fabric, No. of plies, width and length.
- ii. Thickness of Covers.
- iii. Full thickness belting tensile and elongation at break.
- iv. Full thickness belting elongation at 10% of specified tensile strength.
- v. Cover Rubber tensile strength and elongation at break before and after ageing.
- vi. Adhesion values between ply to ply and ply to cover rubber.
- vii. Trough ability.
- viii. Tear strength and abrasion resistant test.
- ix. Flame test, Drum Friction test, Electrical resistivity test and Fire resistant test.

The supplier shall provide additional length of belt for conducting above test.

Material shall be dispatched from the manufacturers work only after issuance of dispatch instruction from Chief Engineer (MM), MPPGCL, Jabalpur.

(29) It is mandatory to each firm whomsoever order(s) is placed against the tender is required to submit the Monthly price indices being used in PV clause 16 fortnightly during the contract period to MPPGCL/respective site by email positively without any delay.

(30) Special Conditions applicable for Rate Contract:

- a) The quantity mentioned in quantity schedule- IA & IB is tentative only and may vary as per the decision of Ordering Authority and/or Tender Inviting Authority. The rate quoted should not vary with the quantum of the tender or the destination.
- b) MPPGCL reserves the right to conclude more than one rate contract for the same item.
- c) MPPGCL may withdraw the rate contract by serving suitable notice to Firm. The notice period is thirty days.

- d) In case of emergency, the Company may purchase the same item through other contract with new Manufacturers / Dealer/ Distributers / suppliers.
 - e) MPPGCL and the authorized Users of the rate contract are entitled to place supply orders (indents) up to the last day of the validity of the rate contract and, though supplies against such supply orders (indents) will be affected after the validity of the rate contract.
 - f) The contract period may be extended upto 50% of the duration of the third year contract period i.e six months. Quantity shall be extended upto 50% of the annual ordered quantity of respective year, Further extension if any shall be on mutual consent.
- (31) The above conditions may be read together with the Instructions to Bidders and the General Conditions of Contract as stipulated in the Standard Bid Document (SBD) for the procurement/supply contract.
- (32) **OTHER TERMS AND CONDITIONS** : Bidders to confirm acceptability of all the other terms and conditions stipulated in Standard Bid Document attached herewith.



(Ashutosh M. Sahasrabuddhe)
Chief Engineer (MM)
MPPGCL: JABALPUR

SCHEDULE-I (A)**REQUIREMENT OF FR & NFR GRADE CONVEYOR BELTS FOR
FIRST YEAR**

Nylon-Nylon conveyor belting conforming to IS-1891 (Part-I) read along with latest revisions as per Canadian Standard CAN/CSA M-422-M-87 TYPE 'C' with open ends cut edge construction in FR grade skim coated having following listed width, full thickness tensile strength (min), no. of plies and other details, along with tech. requirement as stipulated in tech. schedule.

Item No.	Width (mm)	Grade of Conveyor Belt	Type	TCT (mm)	BCT (mm)	Nominal Carcass Thickness (mm)	Required Qty. (Mtrs.)
4 X 210 MW, CHP-I, Services-I, SGTPS-BIRSINGHPUR							
1	1400	FR	1250/4HD	5	3	6.5	5000
2	1400	FR	1600/6HD	5	2	9.7	1500
3	650	FR	315/3HD	5	2	4.2	200
1 X 500 MW, CHP-II, Services-I, SGTPS-BIRSINGHPUR							
4	1200	FR	1000/4HD	5	2	7.2	1500
5	1200	FR	800/4HD	5	2	6.4	1250
6	1400	FR	500/4HD	8	2	5.4	100
WT, Services-I, SGTPS-BIRSINGHPUR							
7	1400	FR	1000/4HD	5	2	7.2	1500
ATPS-CHACHAI							
8	1000	FR	630/4HD	5	3	6.1	1000
9	1000	FR	800/4HD	5	3	6.5	500
10	1000	FR	1000/4HD	5	3	6.9	500
11	1400	FR	500/3HD	5	3	6.0	100
SSTPP-DONGALIA, CHP-I							
12	1600	FR	630/4HD	5	2	3.9	2000
13	1600	FR	800/4HD	5	2	4.1	1750
14	1600	FR	1600/4HD	5	2	7.1	1500
15	1600	FR	1250/4HD	5	2	5.4	1750
16	1600	FR	2000/5HD	5	2	8.9	1500
17	1600	FR	500/4HD	5	2	3.8	500
18	1600	FR	1000/4HD	5	2	4.9	1250
19	2000	FR	1000/5HD	5	2	5.1	30
20	2000	FR	315/3HD	8	4	3.0	64
21	1600	FR	500/4HD	5	2	4.7	1000
SSTPP-DONGALIA, CHP-II							
22	1600	FR	630/4HD	5	3	4.1	2000
23	1600	FR	1000/4HD	5	3	5.4	1500
24	1600	FR	1250/4HD	5	3	6.7	3000
25	1600	FR	1600/4HD	5	3	8.3	1000
26	1600	FR	800/4HD	5	3	5.1	2000
27	2000	FR	1000/5HD	5	3	6.4	50
28	2200	FR	630/4HD	8	4	4.3	200
29	1000	FR	315/3HD	5	2	2.7	250

PH-IV,STPS-SARNI							
30	1400	FR	1000/4HD	5	3	6.0	500
31	1400	FR	1250/4HD	5	3	6.5	1000
32	1400	FR	1600/4HD	5	3	7.2	250

Note:-

The above requirement is tentative and may vary as per actual requirement of respective sites. The quantity allotted for the period of first year, shall only be intended during first year and the balance quantity shall be lapsed.



(Anand Hundikar)

SUPDT. ENGINEER (III)**O/o E.D. (MM), MPPGCL: JABALPUR.**

SCHEDULE- I (B)**REQUIREMENT OF FR & NFR GRADE CONVEYOR BELTS FOR
SECOND YEAR**

Nylon-Nylon conveyor belting conforming to IS-1891 (Part-I) read along with latest revisions as per Canadian Standard CAN/CSA M-422-M-87 TYPE 'C' with open ends cut edge construction in FR grade skim coated having following listed width, full thickness tensile strength (min), no. of plies and other details, along with tech. requirement as stipulated in tech. schedule.

Item No.	Width (mm)	Grade of Conveyor Belt	Type	TCT (mm)	BCT (mm)	Nominal Carcass Thickness (mm)	Required Qty. (Mtrs.)
4 X 210 MW, CHP-I, Services-I, SGTPS-BIRSINGHPUR							
1	1400	FR	1250/4HD	5	3	6.5	4000
2	1400	FR	1600/6HD	5	2	9.7	1000
3	650	FR	315/3HD	5	2	4.2	200
1 X 500 MW, CHP-II, Services-I, SGTPS-BIRSINGHPUR							
4	1200	FR	1000/4HD	5	2	7.2	2500
5	1200	FR	800/4HD	5	2	6.4	2500
6	1400	FR	500/4HD	8	2	5.4	50
WT, Services-I, SGTPS-BIRSINGHPUR							
7	1400	FR	1000/4HD	5	2	7.2	500
8	1400	FR	1250/4HD	5	3	6.5	1000
ATPS-CHACHAI							
9	1000	FR	630/4HD	5	3	6.1	750
10	1000	FR	800/4HD	5	3	6.5	1000
11	1000	FR	1000/4HD	5	3	6.9	500
SSTPP-DONGALIA, CHP-I							
12	1600	FR	630/4HD	5	2	3.9	2000
13	1600	FR	800/4HD	5	2	4.1	2000
14	1600	FR	1600/4HD	5	2	7.1	1500
15	1600	FR	1250/4HD	5	2	5.4	2500
16	1600	FR	2000/5HD	5	2	8.9	1500
17	1600	FR	500/4HD	5	2	4.7	1000
18	1600	FR	500/4HD	5	2	3.8	500
19	1600	FR	1000/4HD	5	2	4.9	1250
20	2000	FR	1000/5HD	5	2	5.1	30
21	2000	FR	315/3HD	8	4	3.0	96
SSTPP-DONGALIA, CHP-II							
22	1600	FR	630/4HD	5	3	4.1	2000
23	1600	FR	1000/4HD	5	3	5.4	1500
24	1600	FR	800/4HD	5	3	5.1	2000
25	1600	FR	1250/4HD	5	3	6.7	3000
26	1600	FR	1600/4HD	5	3	8.3	1000
27	2200	FR	630/4HD	8	4	4.3	200
28	2000	FR	1000/5HD	5	3	6.4	50
29	1000	FR	315/3HD	5	2	2.7	250

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PH-IV,STPS-SARNI							
30	1400	FR	1000/4HD	5	3	6.0	1500
31	1400	FR	1250/4HD	5	3	6.5	2000
32	1400	FR	1600/4HD	5	3	7.2	500
33	1600	FR	800/4HD	5	3	5.8	200

Note:-

The above requirement is tentative and may vary as per actual requirement of respective sites. The quantity allotted for the period of Second year, shall only be intended during Second year and the balance quantity shall be lapsed.



(Anand Hundikar)
SUPDT. ENGINEER (III)
O/o E.D. (MM), MPPGCL: JABALPUR.

