

By Regd. Post with Ack. Due.



NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LTD
WARANGAL - 506 001.

(EXTENSION PURCHASE ORDER)

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From

The Chief General Manager / P&MM,
2-5-31/2, 1st Floor, Vidyuth Bhavan,
T.S.N.P.D.C.L, Corporate Office,
Nakkalagutta, Hanamkonda,
Warangal - 506 001.

To

M/s. Shirdi Sai Electricals Limited,
13/82, Industrial Estate, RIMS Road,
Mamillapalli Village,
Kadapa - 516 002.

SAP No.	5	1	0	0	0	0	2	2	2	5
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P.O.No.CGM/P&MM/NPDCL/Wgl./GM/DE-2/A3/Extn.PM-5517/18, Dt. 24-04-18.

Dear Sir,

Sub : TSNPDCL - P&MM Wing - Tender Specification No. STN-04/17-18 for procurement of **21 Nos.** 11KV/433-250V, 3-Phase 160 KVA Amorphous core CSP Type Aluminium Conductor Distribution Transformers with BIS Energy Efficiency Level-2 (Star-I) **for IPDS Works** - Extension Purchase Order - Issued-Reg.

Ref : 1. Tender specification No. STN-04/2017-18.
2. Lr.No.CGM/P&MM/NPDCL/Wgl./GM/DE-2/A3/PM-5287/17, Dt.18-08-2017.
3. Office Note approved on Dt. 21.04.2018.

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- ACCEPTANCE :** I acting for and on behalf of and by the order and direction of the TSNPDCL, accept the rates for supply of 11KV/433-250V, 3-Phase 160 KVA amorphous core CSP Type Aluminium Conductor Distribution Transformers with BIS Energy Efficiency Level-2 (Star-I) **for IPDS Works** with guaranteed losses as per Clause-5.0, Schedule of Material and as per the above cited correspondence subject to the following terms and conditions.
- PRICES :** The prices noted are variable and free at a destination stores inclusive of Freight & Insurance, IGST@18%. The unloading charges at destination stores shall be to TSNPDCL's account. The prices are variable as per IEEMA price variation formula as given below with base date as **01-05-2017** with ceiling limit of 30% on positive side and there is no limit on negative side.

Cost of CSP component is **Rs. 3000.00/-** which is included in Ex-works and is a firm price.

$$P = \frac{P_0}{100} \left\{ 10 + 19 \frac{AL}{AL_0} + 30 \frac{ES}{ES_0} + 13 \frac{FE}{FE_0} + 4 \frac{IM}{IM_0} + 11 \frac{TO}{TO_0} + 13 \frac{W}{W_0} \right\}$$

Any variation up or down in taxes or other statutory levies, or new levies introduced after placing of the order, under this specification, shall be to the TSNPDCL's account, provided that, the delivery schedules are adhered to by the supplier. In case, if there are increase in excise duty or sales tax or other statutory levies or new levies after the agreed delivery dates, the supplier shall bear the impact of these levies and if there is downward variation/revision TSNPDCL shall be given credit to that extent.

The date of delivery for the purpose of price variation, shall be the date of which the Distribution Transformers is notified as being ready for inspection/despatch (in the absence of such notification, the date of manufacturers despatch note shall be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto) (or) actual date of delivery, whichever is advantageous to purchaser for supplies made beyond schedule delivery date. For material deliveries before the schedule delivery date, the prices shall be as per the IEEMA PVC Clause (on TSNPDCL request for early supplies in writing).

As far as practicable, prices will be revised (upward or downward) abinitio, to take care to any variation in price of raw materials as defined above, but if for any reason it is not found to be practicable, the deliveries shall be effected at the contracted price and price variation claimed subsequently through a supplementary bill which will be paid as per the purchase order terms after approval by this office. If any time, any documentary evidence proof or certificate in regard to the price variation bill is required by this office the supplier shall have to furnish the same.

The price variation bills shall be claimed separately which will be paid after approval of the same by this office and after adjustment of recoveries, if any, intimated by field officers. You shall claim only the prices as indicated in the purchase order in your regular bills.

If there is downward revision in the prices of materials at the time of supply, the suppliers shall invariably claim the invoices at reduced rates on account of such downward revision.

3. SCHEDULE OF MATERIALS :

Sl. No.	Description	Qty. in Nos.	FADS Rate per Unit in		Amount	
			Rs.	Ps.	Rs.	Ps.
1	11KV/433 - 250V 160 KVA CSP oil immersed naturally cooled three phase, 50 Hz double wound, CRGO/Amorphous Core Aluminum Winding, outdoor sealed type, BIS Energy Efficiency Level-2 (Star-1) Distribution Transformers top cover fixed with nut and bolt and neoprene continuous gasket arrangement generally conforming to IS-1180 (Part-1) : 2014 and IS-2026/1977 latest versions except where specified otherwise with first filling of oil generally as per IS-335/1983 (latest version) and as per specification. Guaranteed Maximum Losses Max. losses @ 50% load : 670W Max. losses @100% load : 1950 W	21 (For IPDS Works)	Ex Works	:	1,70,201.51	43,07,886.03
Freight & Insurance	:		3,643.77			
IGST@18%	:		31,292.15			
Total Cost	:		2,05,137.43			
TOTAL		21			43,07,886.03	
(Rupees Forty Three Lakhs Seven Thousand Eight Hundred and Eighty Six and Three Paise Only)						

NOTE:-

- The above transformers are guaranteed for a period of five years from the date of receipt of material at destination stores.
- 6 sets of drawings, guaranteed technical particulars, additional details and Source of materials shall be submitted within 15 days of receipt of purchase order and all other particulars mentioned in the list of fittings.
- You are requested to submit the type test reports before approval of Drawings as per GTP with out effecting the delivery schedule.**

4. DELIVERY :

The delivery of the transformers shall commence and complete as shown below.

Date	Qty. in Nos.
15.06.2018	21
TOTAL	21

However, you are requested to advance and improve the quantity to be delivered.

The type test reports and drawings of the above and 160 KVA Three phase distribution transformers may be got approved well before commencement of supplies.

Delay in delivery of materials free at destination stores due to non-availability of transport facility and any such reasons will not be considered. It is the responsibility of the supplier to make alternate arrangements for transporting the material so as to see the materials reaches the destination within the stipulated period.

The TSNPDCL shall have the right to vary the delivery schedule mentioned in this purchase order due to any operational exigencies at any time during the execution of the order by the suppliers, after due notice.

5. LOSSES :

The total losses (includes no- load & load losses) at 50% and 100% loading equivalent to BIS Energy Efficiency Level-2 shall not exceed the values at rated voltage and rated frequency permitted at 75 Deg.C are indicated below.

KVA rating	Voltage ratio	Max. Losses @ 50% load, Watts	Max. Losses @ 100% load, Watts
160	11000/433 V	670	1950

The above losses are maximum allowable and there would not be any positive tolerance. Firm has to supply the transformer as per no load losses, load losses and Maximum losses at 50% and 100% as mentioned in GTP.

6. PENALTY FOR EXCESSIVE LOSSES: (During Guarantee period).

During testing, if it is found that the actual measured losses are more than values quoted by the bidder, penalty shall be recovered from the bidder at double the loss capitalization formula as mentioned below.

- (a) No load losses Rs. 288.23 per watt or part there of excessive loss.
 (b) Load loss: Rs. 93.68 per watt or part there of excessive loss

For fraction of a KW, proportionate penalty will be recovered. For large variation in losses, the purchase order is liable for cancellation.

Transformers with temperature rise and impedance beyond guaranteed values not be accepted.

Purchaser reserves the right to reject any transformer during the test at supplier's works, if the losses, temperature rise and impedance values differ from the guaranteed values.

Purchaser also reserves the right to retain the rejected transformer and take it into service until the Bidder replaces it with a new transformer at no extra cost. The delivery as per contract will be counted when the new transformer as per specification is provided by the manufacture.

