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In duplicate



TRANSMISSION CORPORATION OF TELANGANA LIMITED

Website: www.tstransco.in GST No. 36AAFCT0166J1Z9 CIN No. U40102TG2014SGC094248

From
Chief Engineer/P&MM,
TSTRANSCO, Vidyut Soudha,
Hyderabad- 500 082
Phone – 040-23396000 Extn:3736

To
M/s.Apar Industries Ltd.,
Apar house corporate Park,
Sion Trombay Road, Chembur,
Mumbai-400071.

SAP PO.No.4500002999/Web PO No..547/CE(P&MM)/SE(P&MM)/DE-42/TSPMM42-28/2019/ D.No.440 /2021, dt.11-02-2021.

Sirs,

Sub: Tender Specification No.TSPMM42-28/2019-Supply of 75kL new Transformer Oil – Extension Purchase Order – Issued – Reg.

Ref: SAP PO.No.4500002934/Web PO No. 411/CE (P&MM)/SE (P&MM)/DE-42/TSPMM42-28/2019/ D.No.279/19, dt.24 -02-2020.

-X-X-X-X-X-X-X-

I, acting for and on behalf of and by the order and direction of the Transmission Corporation of Telangana Limited (herein after referred to as 'TS TRANSCO') place an extension order to the Purchase Order cited under reference, with the same price, terms & conditions and as per the quantity variation of clause (35.2) of the Tender Specification, for supply of 75 kL of new Transformer Oil as below.

1) SCOPE OF CONTRACT:

This contract relates to the supply of 75 kL new Transformer Oil detailed under the clause below and covers design, manufacture, testing before dispatch, delivery F.O.R. destination.

2) SCHEDULE OF MATERIALS AND PRICES:

2.1 Prices:

All Financial Figures are in Rs.

Sl. No.	Description	New Transformer Oil HSN Code:27101985
1	Ex-works	55000
2	Freight	3000
3	Insurance	0
4	Packing & Forwarding	0
5	Unit cost (excl. of GST)	58000
6	IGST @18%	10440
7	Unit FADS Price (incl. of GST)	68440
8	Quantity in kL	75
9	Total FADS cost (incl. of GST)	51,33,000.00
(Rupees Fifty One Lakhs Thirty Three Thousand only)		

- 2.2 The total prices accepted above are inclusive of Freight, Insurance, Packing & Forwarding charges and inclusive of IGST @18%.
- 2.3 The above prices are inclusive of unloading charges at destination stores.
- 2.4 M/s.Apar Industries Ltd., Mumbai is responsible for all the Taxes applicable on this contract.
- 2.5 Any variation up or down in statutory taxes, levy or new levis introduced after Tender calling date will be to the account of TSTRANSCO provided that in cases where delivery schedule is not adhered to by the supplier and there are upward variation/revision after the agreed delivered date the supplier will bear the impact of such levies and if there is downward variation/revision the TSTRANSCO will be given credit to that extent.
- 2.6 Income Tax, other taxes if any, will only be the supplier's account and would be recovered from the supplier bills for arranging payment as directed by the concerned department.
- 3) **Price Variation:** The prices accepted above for supply of Transformer Oil are Variable as Per IEEMA formulae, with a ceiling of +50% and no ceiling on negative variation. The date of bid opening is 09.12.2019. The base indices will be as prevailing on 01.11.2019. The applicable IEEMA PV formula is indicated in Annexure-II.
- The supplier shall claim prices indicated in P.O. in regular bills. The price variation bills shall be paid separately after approval of relevant price variation claims and after deduction of recoveries/penalties if any against the supplies made.
- 4) **DELIVERY SCHEDULE:** To supply of 50 kL within Two months from the date of extension PO and complete the balance 25 kL in the subsequent month.
- 5) The delivery schedule for the total 75 kL new Transformer Oil is as follows.

Sl. No.	Quantity	To be delivered by	
1	50kL	-03-2021	However, the date of approval of 3 rd party test report shall be considered as date of delivery for issue of Form-13.
2	25kL	-04-2021	

However, it is requested to expedite the supplies, as the oil is urgently required.

6) DISPATCH INSTRUCTIONS: Material shall be consigned and dispatched as per dispatch instructions to be issued after inspection.

7) PERFORMANCE SECURITY:

7.1 The supplier shall furnish to the Purchaser, the performance security for an amount equal to 10% of the total contract value i.e., Rs. 5,13,300/- (Rupees Five Lakhs Thirteen Thousand and Three Hundred Only) for proper fulfillment of the contract, which will include the warranty period, and completion of performance obligations including warranty obligations. The performance security will cover 60 days beyond the date of completion of performance obligations including warranty obligations.

7.2 In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected / replaced material will be extended to a further period of 12 months and the Performance Bank Guarantee for proportionate value will be extended 60 days over and above the extended warranty period. The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to fulfill its obligations under the Contract.

7.3 The performance security will be

7.3.1. A bank guarantee issued by State Bank of India or its associate Banks/Nationalized banks, acceptable to the Purchaser, in the form provided in the bidding documents.

(OR)

7.3.2. A banker's Cheque or crossed DD or Pay Order payable at the Head quarter of the Purchaser in favour of Pay officer/TS Transco drawn on any scheduled bank and payable at Hyderabad.

8) TERMS OF PAYMENT: 100% payment will be arranged within 45 days reckoned from the check measurement date in Form-13 i.e. (The date of approval of third party test report shall be considered as date of delivery for issue of Form-13) at the destination / stores, subject to the submission of following documents duly transferring the said amount to the Bank Account of the supplier by the purchaser Bank.

- a) Contractor's detailed invoice (6 copies)
- b) Delivery Challan Acknowledged by the consignee
- c) Test certificate approval
- d) Copy of Insurance policy certificate

- e) Copy of Acceptance Letter of Performance Security issued by Purchaser
- f) Manufacturer's/ Supplier's warranty certificate.

The suppliers Bank details are as follows.

- i. Name of the Bank : Syndicate Bank
- ii. Name of the Branch : Noriman Point
- iii. Address : 227, Nariman Bhavan Premises, Nariman Point, Mumbai-400 021
- iv. Branch Code : 005037
- v. City : Mumbai-400 021
- vi. Account No. : 50371250000092
- vii. MICR No. : 400025031
- viii. IFSC Code : SYBNB0005037
- ix. Income Tax PAN No. : AAACG1840M
- x. GST Reg. No. : 27 AAACG1840M1ZL
- xi. Date of GST Reg. : 28.06.2017.

The 100% payment mentioned above is subject to submission of performance

security as per Clause (7) and approval by the purchaser. However payment in advance may be considered by TSTRANSCO after availing a rebate/discount @ 3% for week or part thereof for the advancement depending on the availability of funds.

The supplier should invariably submit test certificates and other documents that the purchaser specifies, before dispatch is made so that they can be checked and approved well before it is dispatched and due for payment.

If the supplier has received any overpayments by mistake or if any amounts are due to the TSTRANSCO due to any other reason, when it is not possible to recover such amounts under this purchase order, the TSTRANSCO reserves the right to collect the same from any other amounts due from TSTRANSCO.

When the supplier does not at any time, fulfill his obligations in replacing/ rectifying etc. of the damaged / defective materials in part or whole, promptly to the satisfaction of the TSTRANSCO Officers, the TSTRANSCO reserves the right not to accept the bills against subsequent dispatches made by the supplier and only the supplier will be responsible for any demurrages, wharfages or damage occurring to the consignments so dispatched.

- 9) **ACKNOWLEDGEMENT**:-Please acknowledge this order soon on its receipt by returning the extra copy of the order enclosed, duly signing it with date in token of acceptance.

- 10) All other Terms and conditions remain the same as mentioned in Original Purchase Order under reference cited.

Encls: Annexure-I & II

Yours faithfully,

Sd/-
Chief Engineer/P&MM
Acting for and on behalf of T.S.TRANSOCO.

"WE ACCEPT THE TERMS AND CONDITIONS STIPULATED IN THIS P.O."

Signature of the Contractor with seal

Copy to the:

The Chief Engineer/Transmission/TSTransco/Vidyut Soudha/Hyderabad.

Executive Director/Finance/TSTRANSOCO/Vidyut Soudha/Hyderabad.

The Chief Engineer/Zone/Metro/TSTransco/Hyderabad.

The Chief Engineer/Zone/Rural/TSTransco/Hyderabad.

The Chief Engineer/Zone/TSTransco/Warangal.

The Chief Engineer/Zone/TSTransco /Karimnagar.

The Superintending Engineer/OMC/Metro-Central/2nd Floor 132kV GISS NIMS/
TSTransco/Erramangil/Punjagutta/Hyderabad.

The Divisional Engineer/Transmission & Stores/MC/TS Transco/Erragadda/GTS Colony/Hyd.

The SAO/Pay & Accounts/TSTransco/Vidyut Soudha/Hyderabad.

The SAO/ OMC/ Metro-Central/ TSTransco/ 2nd floor, 132KV NIMS GIS SS premises,
TSTransco, Erramanjil, Punjagutta, Hyderabad-82.

The Assistant Divisional Engineer/Construction Stores/TSTransco/Erragadda/GTS Colony/Hyd.

Copy of this PO is available on <http://tgto.telanagana.gov.in/>

ANNEXURE-I

GUARANTEED TECHNICAL PARTICULARS

(I)	GTP of New Transformer Oil as per IS 335:2018 (Fifth revision)		
Sl. No.	Property	Test Method	Limits
			Type-I Transformer Oil
(1)	(2)	(3)	(4)
A Function			
i)	Viscosity at 40°C	IS 1448 (Part 25)	12mm ² /s, <i>Max</i>
ii)	Viscosity at 0°C ¹	IS 1448 (Part 25)	--
iii)	Viscosity at -30°C ¹	IS 1448 (Part 25)	1800mm ² /s, <i>Max</i>
iv)	Viscosity at -40°C ²	IS 16084	--
v)	Pour Point	IS 1448 (Part 10/Sec2)	-40°C, <i>Max</i> To be based on LCSET refer Table 1 ¹
vi)	Water content (PPM or mg/kg)	IEC 60814	30mg/kg ³ /40mg/kg ⁴ , <i>Max</i>
vii)	Breakdown voltage	IS 6792	30kV/70kV ⁵ , <i>Min</i>
viii)	Density at 20°C	IS 1448 (Part 16)	0.895g/ml, <i>Max</i>
ix)	DDF at 90°C (Max)	IS 6262	<0.002
x)	Particle content	IS 13236	--
B Refining/stability			
xi)	Appearance	Sample of oil shall be examined in a 100mm thick layer at 27°C.	Clear, free from sediment and suspended matter
xii)	Acidity	IEC 62021-1	0.01mg KOH/g, <i>Max</i>
xiii)	Interfacial tension at 27°C (Min)	IS 6104	>0.04N/M
xiv)	Total sulphur content	ISO 14596 or ASTM D4294 ¹²	--
xv)	Corrosive sulphur	DIN 51353	Not corrosive
xvi)	Potentially corrosive sulphur	IS 16310	Not corrosive
xvii)	DBDS	IS 16497 (Part I)	Not detectable (<5mg/kg)
xviii)	Inhibitors according to IS 13631/IEC 60666	IS 13631	(U) Uninhibited oil: not detectable (<0.01%)
xix)	Metal passivator additives according to IS 13631/IEC 60666	IS 13631	Not detectable (<5mg/kg), or as agreed upon with the purchaser
xx)	Other additives	--	Shall not contain anti oxidant additives
xxi)	2-Furfural and related compounds content	IS 15668	Not detectable (<0.05mg/kg) for each individual compound

Sl. No.	Property	Test Method	Limits
			Type-I Transformer Oil
C Performance			
xxii)	Oxidation stability	IS 12422 Method C Test duration (U) Uninhibited Oil: 164h	
a)	• Total acidity ⁹	1.9.4 of IS 12422	1.2mg KOH/g, <i>Max</i>
b)	• Sludge ⁹	1.9.1 of IS 12422	0.8%, <i>Max</i>
c)	• DDF at 90°C ⁹	1.9.6 of IS 12422	0.500 ⁹ <i>Max</i>
xxiii)	Gassing tendency	IEC 60628, Method A	--
xxiv)	ECT	See 6.14 of IS:335:2018	--
D Health, Safety and Environment (HSE)			
xxv)	Flash point	IS 1448 (Part 21)	135°C, <i>Min</i>
xxvi)	PCA content	IP 346	3%, <i>Max</i>
xxvii)	PCB content	IS 16082	Not detectable (<2 mg/kg)
E Resistivity			
	i. 27 Deg.C (min)	IEC60247	1500x10 ¹² ohm cm
	ii. 90 Deg.C (min)		35x10 ¹² ohm cm

Chief Engineer/P&MM

ANNEXURE-II
PRICE VARIATION

The variation in prices shall be regulating as per latest IEEMA PV formula IEEMA indicated Base Oil price in force.

PRICE VARIATION FORMULA NOW IN FORCE

“The price quoted/confirmed is based on the cost of raw materials / components as on the date of quotation and the same is deemed to be related to prices of TOBS and drum as specified in the price variation clause given below. In case of any variation in these prices, the price payable shall be subject to adjustment up or down, in accordance with the following formula:

$$P = P_o + 1.2 (TB-TBo) + 4.8(D-Do)$$

Wherein,

P = Price (in Rs./KLtr) payable as adjusted in accordance with the above formula.

P_o = Price (in Rs./KLtr) quoted/confirmed for Transformer oil supplied in drums and conforming to IS 335/1993 and amended from time to time{present amendment is **IS 335:2018 (Fifth revision)**}.

TBo = CIF price of TOBS

This price is as applicable on first working day of the month, one month prior to the date of tendering.

Do=Price of drums.

This price is applicable on first working day of the month, one month prior to the date of tendering.

The above prices are as published by IEEMA vide circular reference number IEEMA (PVC) Tr-OIL prevailing as on first working day of the month i.e., one month prior to the date of tendering i.e., on 01.11.2019.

TB-CIF price of TOBS

This price is as applicable on first working day of the month, one month prior to the date of delivery,

D= price of drums

This price is as applicable on first working day of the month, one month prior to the date of delivery.

For example, if the date of delivery in terms of clause given below falls in October” 2019 the applicable prices for TOBS (TB) and drums (D) should be as published by IEEMA as prevailing on 1st September, 2019.

The “date of delivery” is the date on which the Transformer oil is notified as being ready for inspection/dispatch (in the absence of such notification the date of manufacturer’s dispatch note is to be considered as the date of delivery) or the contractual delivery date (including any agreed extension thereto), whichever is earlier”.

If date of delivery as defined in PV formula is beyond the contractual delivery date, the scheduled delivery date or notified date of inspection or the actual delivery date whichever is advantageous to the Purchaser will form basis for calculation of price variation.

Note:

1. The details of the indigenous / imported base crude from which the transformer oil is derived along with documentary evidence for the base price quoted in the tender shall be mentioned.
2. The price variation formula for Transformer Oil manufactured from “**IMPORTED BASE CRUDE**” shall be quoted by the manufacturer with relevant supporting documents for consideration at the discretion of TS TRANSCO.
3. The details of barrels base rate (having ISI mark) in which the transformer oil is to be supplied along with documentary evidence for the base price quoted in the tender shall be mentioned.
4. The latest certificate of ISI mark of the product shall be submitted along with the tender.