

Market consultation № 45506 with subject "Supply of Nytro10XN type fresh inhibited isolating transformer oil".

Kozloduy NPP EAD notifies all interested parties that in connection with the preparation for awarding a public procurement and determining an estimated value, pursuant to Art. 44 of the Public Procurement Act recruits indicative proposals for "Supply of Nytro10XN type fresh inhibited isolating transformer oil".

The proposal shall include:

- detailed description of the proposed goods, as specified in the technical specification below;

- unit price and total value, VAT excluded, currency;
- information of the delivery terms and conditions, warranty period/shelf life;
- accompanying documentation upon delivery;
- exact address and contact person, telephone number, fax number, e-mail, web site;
- in case the participant is not the manufacturer, he shall submit a manufacturer's document of representation/authorisation document for the sale of the goods offered;

In preparing the indicative proposal, attention should be paid to the following:

Transformer oil, per art. 32, para. 8 of the Excise Duties and Tax Warehouses Act is an excise good at a rate of 646 BGN per 1000 kg/ litre. Pursuant to Art. 76c of the same act, Kozloduy NPP EAD, as a recipient of excise goods, is obliged before sending the goods by the Seller to notify Lom Customs - the competent customs office at its permanent address that it intends to receive excise goods. The notification shall be accompanied by information on: customs tariff number, description of the type of goods and quantity, type and capacity of the packages (when the oil is in consumer packaging up to 210 litres, the excise rate is BGN 0), name and address of the consignor and carrier, date of dispatch of the excise goods, description of the route from the country of dispatch (EU member) to the Republic of Bulgaria, the term in which the goods will be received on the territory of the country and other required documents specified in Art. 76 of the Act on Excise Duties and Tax Warehouses, including immediate informing the customs office if the goods are not received within the deadlines specified in the notification, as well as the reasons for the delay or non-receipt. On the basis of the notification, the competent customs office shall issue an authorization.

The movement of the excise goods is accompanied by a copy of the written notice, which shall be sent to the Seller before supply expedition.

In the presence of a submitted notification within the calendar month before the supply, in compliance with the provisions of Art. 76c, para 4, items 1, 3 and 5 and para 5 of the Act, on the grounds of Art. 26e, para. 3 of the Regulations for application of the Excise Duties and Tax Warehouses Act, the company shall be exempted from excise duty.

In order to correctly fulfil the obligations of Kozloduy NPP EAD under the Excise Duties and Tax Warehouses Act, in its offer the participant (if it has a foreign registration) shall provide the following information: customs tariff number of transformer oil, description of the type of goods and quantity, type and capacity of the packages (when the oil is in consumer packaging up to 210 litres, the excise rate is BGN 0), name and address of the consignor and carrier, date of dispatch of the excise goods, description of the route from the country of dispatch (EU member) to the

Republic of Bulgaria, the term in which the goods will be received on the territory of the country, as well as, if possible, to be written in the contract.

Inquiries regarding the market consultations may be made by 20.10.2020 at the following e-mail address: commercial@npp.bg, the explanations will be published on the website of Kozloduy NPP EAD in the section News/ Public Procurement/ Market Consultations.

Deadline for the receipt of the indicative proposals: 30.10.2020 to e-mail: commercial@npp.bg

All information exchanged on the occasion of the market consultations will be published in the Buyer's profile.

By submitting an indicative proposal, each participant in the market consultations agrees that the proposal and any other information provided as a result of the market consultations shall be made available to the public in the Buyer profile.

The Contracting Authority retains the rights to use indicative tenders received during the conduct of the market consultations for the award of public contracts up to the value thresholds of Article 20, paragraph 4 of the PPA.

Further information can be obtained from Tsvetelina Titriyska - Marketing Expert, tel. +359 973 7 6164, e-mail: CRTitrijska@npp.bg

Attachments:

1. Technical Specification

TECHNICAL SPECIFICATION

for delivery of Nytro 10XN type transformer oil

1. Description of the delivery

Nytro10XN type fresh inhibited isolating transformer oil, in the amount of 80, 000 kg

2. Physical and mechanical properties of the transformer oil to comply with

The physical and mechanical properties of the delivered Nytro 10XN type transformer oil shall comply with the requirements of the IEC 60296 standard, edition 4 (2012) and meet the limits given in Table 1.

Table 1:

	Oil properties	Measurement unit	Specification limits	
			min	max
1.	Function			
1.1	Kinematic viscosity at 40°C	mm ² /s	-	8.0
1.2	Kinematic viscosity at -30°C	mm ² /s	-	800
1.3	Pour point	°C	-	-45
1.4	Water content	mg/kg	-	30
1.5	Breakdown voltage	-	-	-
1.5.1	Before treatment	kV	30	-
1.5.2	After treatment	kV	70	-
1.6	Density at 20 °C	kg/dm ³	-	0.895
1.7	Dielectric loss factor (<i>Tangent delta</i>) 90°C (DDF at 90°C)	-	-	0.005
2.	Refining / stability			
2.1	Appearance	-	Transparent – clear, sediment free (transparent – clear, free from sediment)	
2.2.	Acidity	mg KOH/g	-	0.01
2.3	Interfacial tension (<i>surface tension</i>)	mN/m	40	-
2.4	Total sulphur content	%	-	0.05
2.5	Corrosive sulphur according to DIN 51353	-	Non- corrosive	

	Oil properties	Measurement unit	Specification limits	
			min.	max.
2.6	Corrosive sulphur according to ASTM D 1275	-	non-corrosive	
2.7	Potentially corrosive sulphur	-	non-corrosive	
2.8	Mass concentration of antioxidant additive	wt %	0.08	0.4
2.9	Metal passivator additives	mg/kg	not detectable	
2.10	2-furfural and related compounds content	mg/kg	-	0.05
3.	Performance			
3.1	Oxidation stability (<i>after 500 hours at 120°C</i>)			
3.2	Total acidity	mg KOH/g	-	0.30
3.3	Mass concentration of sludge after oxidation	wt %	-	0.05
3.4	Dielectric loss factor (<i>Tangent delta</i>) at 90°C after oxidation (DDF at 90°C).	-	-	0.050
4.	Safety and environment			
4.1	Flash point, PM	°C	140	-
4.2	PCA content	wt %	-	3
4.3	PCB content	-	not detectable	

3. Requirements to the delivery, transport and packaging

3.1. Requirements to the delivery

The transformer oil should be delivered to the site of Kozloduy NPP, and the delivery shall be accompanied at least by the following documents:

- certificate /declaration of conformity (quality certificate) issued by the manufacturer (original);
- storage manual;
- shipping list containing the lot and the exact oil amount;
- document verifying the manufacturing date and storage period;
- analytical certificate for the delivered lot of transformer oil, containing information about the limits, test methods and the actual results of the measurement of the separate physical and chemical indicators given in Table 1 of this Technical Specification. In this document the manufacturer should declare in writing that the transformer oil does not contain depressant additives.
- original weight note from a certified commercial weighing device and consignment note (in case of oil delivery in a tank truck);
- table or graph of the relation between oil density and temperature (in case of delivery of transformer oil in a tank track);
- declaration from the manufacturer that the transformer oil delivered is fresh, not recycled and not mixed in any ratio with recycled oil (according to BDS EN 60296, item 3.9);
- declaration that the product has been classified, packaged and labelled in accordance with Regulation (EC) 1272/2008 and Regulation on the procedure for the classification, packaging and labelling of chemicals and mixtures;
- Safety Data Sheet in Bulgarian in PDF format prepared in accordance with Regulation (EC) 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), and Regulation (EC) 2015/830 of 28 May 2015. The Safety Data Sheet shall be provided upon first delivery and its revision/amendment;
- an evidence certifying how the oil vendor shall perform their obligations under Article 14 or Article 59 of Waste Management Act;
- a copy of the valid manufacturer's certificate to verify a certified quality management systems in compliance with ISO 9001 or a newer revision of the standard;
- the supplier shall provide to Kozloduy NPP an evidence for:

- options to extend the validity period;
 - options for further safe processing /recycling, use or disposal.
- All documents accompanying the goods shall be translated into Bulgarian.

3.2. Requirements to the transport and packaging

3.2.1. Transformer oil shall be transported by the Contractor in a special-use tank truck or in sealed drums with capacity of 200(210) litres.

3.2.2. For transport of the transformer oil in drums, the drums shall be packaged by the manufacturer in compliance with Regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures. The durable marking of the packages (drums) shall contain at least the following:

- name or logo of the manufacturer;
- type of the transformer oil;
- number of the relevant lot;
- amount, gross/net weight;
- date of manufacture.

3.2.3. The Contractor shall provide a declaration that the product has been classified, packaged and labelled in accordance with Regulation (EC) 1272/2008 and Regulation on the procedure for the classification, packaging and labelling of chemicals and mixtures.

3.2.4. When using Euro-pallets, additional safety precautions to fix the drums shall be provided.

3.2.5. Loading of the transformer oil shall be carried out by the Contractor under conditions which prevent it from wetting.

3.2.6. In case of delivery in tank trucks, the Contractor shall provide a table or a graph of the relation between oil density and temperature.

4. Requirement to the shelf life and lifetime

Shelf life (prior to use) shall be at least 60 months. By the date of delivery of the transformer oil in Kozloduy NPP site, not less than 5% of the shelf life shall have expired.

5. Receiving inspection

In order to be accepted, the delivered transformer oil shall be subject to general and specialized receiving inspection.

5.1 General receiving inspection.

The general receiving inspection shall be performed in accordance with the arrangements of Quality Procedure for the performance of receiving inspection of materials, products and equipment in Kozloduy NPP, ДОД.КД.ИК.112/*, and shall include:

- check of the documents;
- check of the integrity of the packaging;
- check of the labelling of the packing in compliance with the requirements of the Technical Specification;
- check of the amounts according to the requirements of the Technical Specification;
- check that there are no visible defects of the items;

In case of non-conformities of the receiving inspection, they shall be remedied within a 5-day period at the cost and expense of the Contractor.

5.2. Specialized receiving inspection.

The Contracting Authority shall perform specialized receiving inspection according to an approved regulation and methods in the laboratories of Kozloduy NPP EAD or an independent accredited laboratory including the analysis of physical and chemical indicators of samples taken from the delivered transformer oil.

In case of delivery in tank trucks, a sample shall be taken from the bottom of each tank truck through the opening in the bottom of the tank truck or with a sampling device.

In case of delivery in drums, a sample shall be taken from 10% of the drums or at least two drums (whatever quantity is higher). The drums should have been left to acclimatize for at least 8 hours with the drain hole facing upwards and the sample is taken from the bottom of the drum.

In case the results of the physical and chemical analysis meet the requirements of this Technical Specification, then the cost of the analysis shall be borne by the Contracting Authority. Provided the physical and chemical analysis does not meet the requirements of this Technical Specification, the Contractor shall cover the costs related to the performance of the analysis, and the delivered transformer oil shall not be accepted.

The analysis results are recorded in the Specialized Receiving Inspection Report.