

Bid Corrigendum

GEM/2023/B/3937911-C3

Following terms and conditions supersede all existing "Buyer added Bid Specific Terms and conditions" given in the bid document or any previous corrigendum. Prospective bidders are advised to bid as per following Terms and Conditions:

Buyer Added Bid Specific Additional Terms and Conditions

1. **OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
2. Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name
Oil India Limited
Account No.
10494832599
IFSC Code
SBIN0002053
Bank Name
State Bank of India
Branch address
Duliajan
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Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.
3. **Manufacturer Authorization:** Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid
4. **NET WORTH:** Net Worth of the OEM should be positive as per the last audited financial statement.
5. **Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
6. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
7. **Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER):** Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages.
When there is requirement of submission the advance sample, the seller shall inform the buyer promptly

through emails about the date of submission of sample to the buyer nominated Inspection agency.

8. Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address
OCS-6, NAHARKATIYA, DIST. DIBRUGARH, ASSAM
GCS-6, NAHARKATIYA, DIST. DIBRUGARH, ASSAM
JOYPUR OCS, NAHARKATIYA, DIST. DIBRUGARH, ASSAM
JOYPUR GCS, NAHARKATIYA, DIST. DIBRUGARH, ASSAM
PIN CODE 786610
9. Warranty period of the supplied products shall be as given in specifications from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.
10. **OPTIONAL SITE VISIT:**
1. The Bidder is advised to visit and examine the installation site and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid. The costs of visiting the site shall be borne by the Bidder.
- DULIAJAN
2. The Bidder representative shall be allowed entry upon consignee premises for such visits, only upon the express conditions that the Bidder will release and indemnify the Buyer and Consignee against all liabilities arising out of such visit including death or injury, loss or damage to property, and any other loss, damage, costs, and expenses incurred as a result of such visit.
3. The Bidder shall not be entitled to hold any claim against Buyer for noncompliance due to lack of any kind of pre-requisite information as it is the sole responsibility of the Bidder to obtain all the necessary information with regard to site, surrounding, working conditions, weather etc. on its own before submission of the bid.
11. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.
Applicable Concessional rate of GST :
12
%
Notification No.and date :
08/2022- Integrated Tax (Rate)
dated
13/07/2022
12. Buyer Added text based ATC clauses

- 1.0** (a) Bidders must provide Technical Catalogues / leaflets/ Technical literature showing that the offered items/equipment meets the specifications mentioned for items in this Tender (Bid Document). **Additionally, bidders to upload the duly signed document as attached in Buyer added bid specific additional scope of work by mentioning Complied or Remarks (if any) against each clause.**

BID SECURITY-The Original Bid Security (If submitted in the form of Bank Guarantee) shall be submitted manually in sealed envelope super scribed with tender no. and due date to: **GM- MATERIALS, MATERIALS DEPARTMENT, OIL INDIA LIMITED, DULIAJAN- 786602, ASSAM, Kind Attention: Devansh Sharma, Senior Purchase Officer-Materials (IP)** **within date and time of bid closing as mentioned in**

n the bid. Bid security (EMD) if in form of BG should be valid for 45 DAYS BEYOND THE BID VALIDITY, reckoned from the original bid closing date.

2.0 The tender has been floated in GeM portal under Single Stage Two Bid System. Therefore, bidder must not disclose their prices in their technical offer. The technical bid shall contain all techno-commercial details except the prices/costs. Bidder must note that disclosure of price in technical bids shall lead to rejection of the offer.

3.0 Categorisation and various Criteria applicable to MSE bidders shall be guided by the Gazette Notification No. CG-DL-E-26062020-220191 dated 26.06.2020 issued by MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISE.

The bidder claiming the MSE status (MSE-General, MSE-SC/ST, MSE-Woman) against this tender has to submit the following document for availing the benefit applicable to MSEs:

(i) Udyam Registration Number with Udyam Registration Certificate.

Note: In case bidding MSE is owned by Schedule Caste or Schedule Tribe entrepreneur or Woman Entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST entrepreneur/ Woman Entrepreneurs should also be enclosed.

4.0 **TAX COLLECTIBLE AT SOURCE (TCS):** Tax Collectible at Source (TCS) applicable under the Income-tax Law and charged by the SUPPLIER shall also be payable by OIL along with consideration for procurement of goods/materials/ equipment. If TCS is collected by the SUPPLIER, a TCS certificate in prescribed Form shall be issued by the SUPPLIER to OIL within the statutory time limit.

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Payment towards applicable TCS u/s 206C (IH) of Income Tax Act, 1961 will be made to the supplier provided they are claiming it in their invoice and on submission of following undertaking along with the invoice stating that:

- a) TCS is applicable on supply of goods invoiced to OIL as turnover of the supplier in previous year was more than Rs. 10 Cr. and
- b) Total supply of goods to OIL in FY..... (As applicable) exceeds Rs. 50 Lakh and
- c) TCS as charged in the invoice has already been deposited (duly indicating the details such as challan No. and date) or would be deposited with Exchequer on or before the due date and
- d) TCS certificate as provided in the Income Tax Act will be issued to OIL in time.

However, Performance Security deposit will be released only after the TCS certificate for the amount of tax collected is provided to OIL. Supplier will extend the performance bank guarantee (PBG), wherever required, till the receipt of TCS certificate or else the same will be forfeited to the extent of amount of TCS, if all other conditions of Purchase order are fulfilled.

- a) The above payment condition is applicable only for release of TCS amount charged by supplier u/s 206C (I H) of Income tax Act, 1961.

5.0 **APPLICABILITY OF BANNING POLICY OF OIL INDIA LIMITED (OIL):** Banning Policy Revised on 17.03.2023 as uploaded in OIL's website and revised guidelines of banning/debarment vide OM no. F.1/20/2018-PPD dated 02.11.2021 issued by Department of Expenditure, Ministry of Finance, Govt of India will be applicable against the tender (and order in case of award) to deal with any agency (bidder/contractor/supplier/vendor/service provider) who commits deception, default, fraud or indulged in other misconduct of whatsoever nature in the tendering process and/or order execution processes.

The bidders who are on Holiday/Banning/Suspension list of OIL on due date of submission of bid/ during the process of evaluation of the bids, the offers of such bidders shall not be considered for bid opening/evaluation/award. If the bidding documents were issued inadvertently/downloaded from website, the offers submitted by such bidders shall also not be considered for bid opening/evaluation/ Award of Work.

6.0 At any time prior to the deadline for submission of bids, the Company may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the tender Documents through issuance of Corrigendum(s)/Addendum(s). Bidders are expected to take the Corrigendum(s)/ Addendum(s) into account in preparation and submission of their bid. No separate intimation for Corrigendum(s)/Addendum(s) published by OIL shall be sent to the Bidders.

7.0 **NUMBER OF DESPATCHES:** Unless otherwise mentioned, the total quantity for a particular consignment and / or for a specified delivery schedule shall be supplied / delivered in **01 (One) Lot**. OIL reserves the right for non-acceptance of delivery of part quantity and shall have no liability for any loss to the supplier in case of such rejection of part delivery.

8.0 **DELIVERY TIMING:** Suppliers will be given necessary permission to enter into the Industrial Area or Company's other operating areas to deliver the material as per timings given below-

- b) **Monday to Friday:**
 - (i) Slot-1: 08.00 AM to 10.00 AM
 - (ii) Slot-2: 12.30 PM to 02.00 PM
- c) **Saturday:** 08.00 AM to 10.00 AM

Note: No delivery shall be made on Sunday / National Holidays

9.0 **PREPONEMENT OF DELIVERY:** Owing to operational requirements, OIL may request the supplier to prepone delivery of items. The request for such preponement of delivery shall be made in writing by OIL and the supplier shall be obligated for arranging delivery of the materials within the minimum possible period. However, no additional charges shall be payable for such preponement of delivery.

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10.0 Financing of trade receivables of Micro and Small Enterprises (MSEs) through Trade Receivables

Discounting System (TReDS) platform.

Based on the initiatives of Government of India to help MSE vendors get immediate access to liquid fund based on Buyers credit rating by discounting, OIL has registered itself on TReDS platform with M/s RXIL and M/s A TREDIS Ltd. (Invoice Mart). MSE vendors can avail this benefit by registering themselves with any of the exchanges providing e-discounting / electronic factoring services on TReDS platform and following the procedures defined therein, provided OIL is also participating in such TReDS Platform as a Buyer.

(i) MSE Vendor should be aware that all costs relating to availing the facility of discounting on TReDS platform including but not limited to Registration charges, Transaction charges for financing, Discounting Charges, Interest on financing, or any other charges known by any name shall be borne by MSE Vendor.

(ii) MSE Vendor hereby agrees to indemnify, hold harmless and keep OIL and its affiliates, Directors, officers, representatives, agents and employees indemnified, from any and all damages, losses, claims and liabilities (including legal costs) which may arise from Sellers submission, posting or display, participation, in any manner, on the TReDS Platform or from the use of Services or from the Buyer's breach of any of the terms and conditions of the Usage Terms or of this Agreement and any Applicable Law on a full indemnity basis.

- (i) OIL shall not be liable for any special, indirect, punitive, incidental, or consequential damages or any damages whatsoever (including but not limited to damages for loss of profits or savings, business interruption, loss of information), whether in contract, tort, equity or otherwise or any other damages resulting from using TReDS platform for discounting the (MSE Vendor's) invoices.

11.0 SET-OFF

Any sum of money due and payable to the Seller (including Security Deposit refundable to them) under any purchase order may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of a sum of money arising out of any other purchase order made by the Seller with Oil India Limited (or such other person or persons contracting through Oil India Limited).

12.0 All the required annexures, proformas and Integrity pact have been provided in the document as attached in the *Buyer added bid specific additional scope of work*. Bidders must ensure to upload duly filled and signed Annexures, Proformas and Integrity pact in their bid.

13.0 Queries Submission Timeline clause-

All prospective bidders are hereby instructed to submit any queries or requests for clarification related to this tender within a period of five (5) calendar days from the date of publishing of this tender document. Any queries received after the stipulated deadline will not be entertained or responded to by OIL.

Queries must be submitted in writing via email to devansh.sharma@oilindia.in. Please ensure that the subject line of your email clearly states 'Tender Query - [Tender No. and Name]'.

14.0 Avoidance of Extension for Bid Submission clause-

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Bidders are earnestly advised to ensure that their bid submissions are prepared and submitted in accordance with the deadlines specified in this tender document. OIL has taken all necessary steps to establish reasonable timelines for the submission of bids to allow ample time for thorough preparation.

As a matter of policy, OIL will only consider granting an extension of the bid submission due date as a one-time exception in situations deemed unavoidable. Such extensions will be granted solely at the discretion of OIL and only in response to a written request from the bidder, submitted in accordance with the procedures outlined in this tender document.

It is hereby emphasized that OIL will not entertain or consider any requests for an extension of the bid submission due date, except in cases where OIL deems such extension unavoidable and the bidder submits a formal written request, detailing the compelling circumstances necessitating the extension. Bidders are therefore strongly advised to refrain from seeking an extension of the bid submission due date unless necessary due to unforeseen and unavoidable circumstances.

By participating in this tender process, all bidders acknowledge and accept the terms and conditions outlined in this **Avoidance of Bid Submission Due Date Extensions clause**.

15.0 Bid Corrigendum dated 26.10.2023-Bidders to check Tender Amendment document as uploaded under Buyer added ATC document.

13. Buyer uploaded ATC document [Click here to view the file](#).

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

*This document shall overwrite all previous versions of Bid Specific Additional Terms and Conditions.

[This Bid is also governed by the General Terms and Conditions](#)

Amendment to Tender no. GEM/2023/B/3937911 dtd 05-10-2023

Clause no / Document Name	Existing Clause	Amended Clause
Annexure B, Special Notes Clause 5 of the Document under Buyer added Bid Specific Additional Scope of Work	<p>(a) For Item no. 30 in specifications document in the bid, Clamp to connect air termination rod on side wall, material -StSt to be supplied along with.</p> <p>(b) For Item no. 240 & 250 in specifications document in the bid, Suitably sized tubular terminal lugs to be supplied along with (Qty as required for I&C).</p> <p>(c) For Item no. 330 in specifications document in the bid, Suitable batteries to be supplied along with.</p>	<p>(a) For Item no. 30 in specifications document in the bid, Clamp to connect air termination rod on side wall, material -StSt to be supplied along with.</p> <p>(b) For Item no. 240 & 250 in specifications document in the bid, Suitably sized tubular terminal lugs to be supplied along with (Qty as required for I&C).</p> <p>(c) For Item no. 330 in specifications document in the bid, Suitable batteries to be supplied along with.</p> <p>(d) For Every 3 nos. of item no. 410 in the specification document in the bid, 1 nos. of Spark Gap based Metal Encapsulated Lightning current & Surge Protection Device for N -PE shall be supplied (i.e total 5 nos.) along with following specification:</p> <ul style="list-style-type: none"> (i) SPD according to EN 61643-11 / IEC 61643-11: type 1 / class I (ii) Maximum continuous operating voltage (a.c.) (UC): 255 V (50/60 Hz) (iii) Lightning impulse current (10/350 μs) (Iimp): 100 kA (iv) Voltage Protection level (UP): \leq 1.5 kV (v) Response time (tA): \leq 100 ns (vi) Temporary overvoltage (TOV) (UT) – Characteristic: 1200 V / 200 ms – withstand (vii) Operating state: Mechanical, fault indication green / red (viii) There should be potential free contact for remote signalling (ix) Approvals: KEMA/VDE/UL/NABL.
Item no. 410 of the Technical Specification Document	"Spark Gap based Metal Encapsulated Lightning current & Surge Protection Device at mains LT Panel (3 phase, 415 V) for L # N with built in fuse to avoid any external fuse in case of load current is more than specified limit of SPD	"Spark Gap based Metal Encapsulated Lightning current & Surge Protection Device at mains LT Panel (3 phase, 415 V) for L - N with built in fuse to avoid any external fuse in case of load current is more than specified limit of SPD

	<p>(i) SPD according to EN 61643-11 / IEC 61643-11: type 1 / class I</p> <p>(ii) Maximum continuous operating voltage (a.c.) (UC): 255 V (50/60 Hz)</p> <p>(iii) Nominal voltage (a.c.) (UN): 230 V (50 / 60 Hz)</p> <p>(iv) Lightning impulse current (10/350 μs) (Iimp): 25 kA</p> <p>(v) Voltage Protection level (UP): # 1.5 kV</p> <p>(vi) Response time (tA): # 100 ns</p> <p>(vii) Max. mains-side overcurrent protection: not required</p> <p>(viii) Rated breaking capacity of the internal backup protection: 100 kA</p> <p>(ix) Temporary overvoltage (TOV) (UT) # Characteristic: 440 V / 120 min. # withstand</p> <p>(x) Operating state: Mechanical, fault indication green / red</p> <p>(xi) There should be potential free contact for remote signalling</p> <p>(xi) Approvals: KEMA/VDE/UL/NABL"</p>	<p>(i) SPD according to EN 61643-11 / IEC 61643-11: type 1 / class I</p> <p>(ii) Maximum continuous operating voltage (a.c.) (UC): 255 V (50/60 Hz)</p> <p>(iii) Nominal voltage (a.c.) (UN): 230 V (50 / 60 Hz)</p> <p>(iv) Lightning impulse current (10/350 μs) (Iimp): 25 kA</p> <p>(v) Voltage Protection level (UP): \leq 1.5 kV</p> <p>(vi) Response time (tA): \leq 100 ns</p> <p>(vii) Max. mains-side overcurrent protection: not required</p> <p>(viii) Rated breaking capacity of the internal backup protection: 100 kA</p> <p>(ix) Temporary overvoltage (TOV) (UT) - Characteristic: 440 V / 120 min. - withstand</p> <p>(x) Operating state: Mechanical, fault indication green / red</p> <p>(xi) There should be potential free contact for remote signalling</p> <p>(xii) Approvals: KEMA/VDE/UL/NABL"</p>
Item no. 420 of the Technical Specification Document	<p>"1. Spark Gap based Metal Encapsulated Lightning current and surge arrester for use in TT and TN-S systems ("3+1" circuits) for protecting 230/400 V power supply systems at mains LT panel (415 V, 3 phase).</p> <p>2. SPD according to EN 61643-11/ IEC 61643-11: type 1 / class I</p> <p>3. Max. continuous operating voltage (a.c.) [L-N]/[N-PE]: 255 V (50 / 60 Hz)</p> <p>4. Nominal voltage (a.c.) (UN) 230 / 240 V (50 / 60 Hz)</p> <p>5. Lightning impulse current (10/350 μs) [L-N]/[N-PE] (Iimp) 25 / 100 kA</p> <p>6. Nominal discharge current (8/20 μs): 25 / 100 kA</p> <p>7. Voltage Protection level (UP): # 1.5 kV</p> <p>8. Follow current extinguishing capability [L-N]/[N-PE]: 25 kArms / 100 Arms</p> <p>9. Response time (tA): # 100 ns</p> <p>10. Max. backup fuse: 250 A gG</p> <p>11. Temporary overvoltage (TOV) # Characteristic: 440 V / 120 min. # withstand</p>	<p>"1. Spark Gap based Metal Encapsulated Lightning current and surge arrester for use in TT and TN-S systems ("3+1" circuits) for protecting 230/400 V power supply systems at mains LT panel (415 V, 3 phase).</p> <p>2. SPD according to EN 61643-11/ IEC 61643-11: type 1 / class I</p> <p>3. Max. continuous operating voltage (a.c.) [L-N]/[N-PE]: 255 V (50 / 60 Hz)</p> <p>4. Nominal voltage (a.c.) (UN) 230 / 240 V (50 / 60 Hz)</p> <p>5. Lightning impulse current (10/350 μs) [L-N]/[N-PE] (Iimp) 25 / 100 kA</p> <p>6. Nominal discharge current (8/20 μs): 25 / 100 kA</p> <p>7. Voltage Protection level (UP): \leq 1.5 kV</p> <p>8. Follow current extinguishing capability [L-N]/[N-PE]: 25 kArms / 100 Arms</p> <p>9. Response time (tA): \leq 100 ns</p> <p>10. Max. backup fuse: 250 A gG</p> <p>11. Temporary overvoltage (TOV) - Characteristic: 440 V / 120 min. - withstand</p>

	<p>12. Operating state: Mechanical, fault indication green / red</p> <p>13. Approvals: KEMA/VDE/UL/NABL</p> <p>14. Test certificates to be submitted along with technical bid "</p>	<p>12. Operating state: Mechanical, fault indication green / red</p> <p>13. Approvals: KEMA/VDE/UL/NABL</p> <p>14. Test certificates to be submitted along with technical bid "</p>
Item no. 430 of the Technical Specification Document	<p>"1. Spark Gap based Metal Encapsulated Lightning current and surge arrester for use in TT and TN-S systems ("1+1" circuits) for protecting 230 volt power supply systems at mains LT panel (230 V, 1 phase).</p> <p>2. SPD according to EN 61643-11/ IEC 61643-11: type 1 / class I</p> <p>3. Max. continuous operating voltage (a.c.) [L-N]/[N-PE]: 255 V (50 / 60 Hz)</p> <p>4. Nominal voltage (a.c.) (UN) 230 / 240 V (50 / 60 Hz)</p> <p>5. Lightning impulse current (10/350 μs) [L-N]/[N-PE] (Iimp) 25 / 50 kA</p> <p>6. Nominal discharge current (8/20 μs): 25 / 50 kA</p> <p>7. Voltage Protection level (UP): # 1.5 kV</p> <p>8. Follow current extinguishing capability [L-N]/[N-PE]: 25 kArms / 100 Arms</p> <p>9. Response time (tA): # 100 ns</p> <p>10. Max. backup fuse: 250 A gG</p> <p>11. Temporary overvoltage (TOV) # Characteristic: 440 V / 120 min. # withstand</p> <p>12. Operating state: Mechanical, fault indication green / red</p> <p>13. Approvals: KEMA/VDE/UL/NABL</p> <p>14. Test certificates to be submitted along with technical bid "</p>	<p>"1. Spark Gap based Metal Encapsulated Lightning current and surge arrester for use in TT and TN-S systems ("1+1" circuits) for protecting 230 volt power supply systems at mains LT panel (230 V, 1 phase).</p> <p>2. SPD according to EN 61643-11/ IEC 61643-11: type 1 / class I</p> <p>3. Max. continuous operating voltage (a.c.) [L-N]/[N-PE]: 255 V (50 / 60 Hz)</p> <p>4. Nominal voltage (a.c.) (UN) 230 / 240 V (50 / 60 Hz)</p> <p>5. Lightning impulse current (10/350 μs) [L-N]/[N-PE] (Iimp) 25 / 50 kA</p> <p>6. Nominal discharge current (8/20 μs): 25 / 50 kA</p> <p>7. Voltage Protection level (UP): \leq 1.5 kV</p> <p>8. Follow current extinguishing capability [L-N]/[N-PE]: 25 kArms / 100 Arms</p> <p>9. Response time (tA): \leq 100 ns</p> <p>10. Max. backup fuse: 250 A gG</p> <p>11. Temporary overvoltage (TOV) - Characteristic: 440 V / 120 min. - withstand</p> <p>12. Operating state: Mechanical, fault indication green / red</p> <p>13. Approvals: KEMA/VDE/UL/NABL</p> <p>14. Test certificates to be submitted along with technical bid "</p>
Item no. 440 of the Technical Specification Document	<p>"Modular 4-pole type 2 Surge Protection Device with integrated switch / spark gap combination consisting of a base part and plug-in protection modules for 230/400 VAC TT power supply.</p> <p>(i) SPD according to EN 61643-11 / IEC 61643-11: type 2 / class II</p> <p>(ii) Maximum continuous operating voltage (a.c.) (UC): 275 V for L-N and 255 V for N-PE (50/60 Hz)</p> <p>(iii) Nominal voltage (a.c.) (UN): 230 V (50 / 60 Hz)</p> <p>(iv) Nominal discharge current (8/20 μs) (In): 20 kA for L-N and 80 kA for N-PE</p>	<p>"Modular 4-pole type 2 Surge Protection Device with integrated switch / spark gap combination consisting of a base part and plug-in protection modules for 230/400 VAC TT power supply.</p> <p>(i) SPD according to EN 61643-11 / IEC 61643-11: type 2 / class II</p> <p>(ii) Maximum continuous operating voltage (a.c.) (UC): 275 V for L-N and 255 V for N-PE (50/60 Hz)</p> <p>(iii) Nominal voltage (a.c.) (UN): 230 V (50 / 60 Hz)</p> <p>(iv) Nominal discharge current (8/20 μs) (In): 20 kA for L-N and 80 kA for N-PE</p>

	(v) Voltage Protection level (UP): # 1.5 kV (vi) Response time (tA): # 100 ns (vii) Max. mains-side overcurrent protection: not required due to switch/spark gap combination (viii) Temporary overvoltage (TOV) (UT) # Characteristic: 440 V / 120 min. # withstand (ix) Operating state: Mechanical, fault indication green / red (x) There should be potential free contact for remote signalling (xi) Approvals: KEMA/VDE/UL/NABL"	(v) Voltage Protection level (UP): ≤ 1.5 kV (vi) Response time (tA): ≤ 100 ns (vii) Max. mains-side overcurrent protection: not required due to switch/spark gap combination (viii) Temporary overvoltage (TOV) (UT) - Characteristic: 440 V / 120 min. - withstand (ix) Operating state: Mechanical, fault indication green / red (x) There should be potential free contact for remote signalling (xi) Approvals: KEMA/VDE/UL/NABL"
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