



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन - 826004

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD

DHANBAD, JHARKHAND, INDIA, PIN - 826004

(An Institute of National Importance under Ministry of Education, Govt. of India)

No. MN-INS-035-24-25

Date: 17 February, 2025

Request for Quotation

To,

M/s Sobbe GmbH Fabrik Elektrischer Zunder

Beylingstr. 59, D-44329

Dortmund, Germany

Email: [info@sobbe-zuender.de](mailto:info@sobbe-zuender.de), [Anna.Zankl@sobbe-zuender.de](mailto:Anna.Zankl@sobbe-zuender.de)

Subject: Supply Chemical Igniters.

Sirs

Indian Institute of technology (Indian School of Mines), Dhanbad is interested for the purchase of the materials/ equipment listed below:

Sl. No.	Tender No.	Particulars	Required Quantity
1.	MN-INS-CPPP-035-24-25	Chemical Igniters : 1000 J	150 nos.
		Chemical Igniters : 5000 J	450 nos.

INSTRUCTIONS:

- 1) Please attach relevant technical literature of the item.
- 2) Price Basis: CPT (Kolkata Airport)
- 3) **Please attach a certificate that the quoted price is not more than that of any other Govt. organization/ institution in India. This has to be mentioned in the offer letter clearly.**
- 4) The rates should be quoted for each item separately as per price schedule attached as annexure V.
- 5) Your tender must be **valid for minimum 180 days** from the date of opening of tender.
- 6) The items/materials are required to be delivered within 30 days, late delivery may not be accepted.
- 7) Full details of items/materials offered should be given in the tender along with supporting & relevant literatures/ Technical Literature.
- 8) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 9) Tender may please be submitted **in sealed cover superscribed with Enquiry No. MN-INS-035-24-25 latest by 10.03.2025 or through Email.**
- 10) The offer must be submitted in the office of Deputy Registrar (Purchase & Stores), IIT (ISM), Dhanbad-826004 (Jharkhand, India) only. Please send your offer by Registered Post/ Speed Post/ Courier along with Courier receipt or through Email. Tender/ quotation will be received during IIT (ISM) Dhanbad working hours only (i.e. Monday to Friday). At any circumstances by hand delivery is not acceptable. Late or delayed tenders shall be summarily rejected.
- 11) Any other information that you may like to obtain, you are free to contact IIT (ISM) Dhanbad before submission of tender.
- 12) IIT (ISM) Dhanbad reserves the right to accept and/or to reject any/all tenders without assigning any reason.
- 13) **Payment:** Payment shall normally be made within 30days after delivery subject to submission of tax invoice, delivery challan in triplicate.

- 14) You are requested to fill the enclosed Annexures.
- 15) Please attach purchase order copies of the same equipment which you have supplied to any other Govt., public sector and autonomous institutions.
- 16) a) In a tender, either the Indian agent on behalf of the principle/ OEM and the Principle/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.  
b) If an agent submit bid on behalf of the principle/ OEM, the same agent shall not submit a bid on behalf of another principle/ OEM in the same tender for the same item/product.

For and on behalf of  
IIT(ISM), Dhanab



Deputy Registrar  
(Purchase & Store)

## EBBOS ChZ (chemical igniter)

### APPLICATION AND CONSTRUCTION:

Pyrotechnic igniter for the determination of the explosive character of dust, gas and hybrid mixtures.

The pyrotechnic charge is in a plastic shell, which is placed in an aluminum casing.

The colour of the caps identifies the energy of the EBBOS ChZ see list below.

The EBBOS ChZ is ignited with a fusehead from either the category class 1 (A), class 2 (U) or class 4 (HU).

The stripped ends are shorted.

The short circuit should be removed only directly before connecting with the test installation.



### TERMS OF USE

Use only for the determination of the explosive characters of dust, gas and hybrid mixtures in an approved Pressure vessel.

Use only up to the expiry date

Used only by people over the age of 18 years

Please keep a safety distance of >1m

Attai

### CONDITIONS OF USE AND TRANSPORT

Temperatur: -25°C - 50°C

### STORAGE

Temperatur: 0 °C bis 50 °C

Duration of storage: 2 years in Original packaging

Always observe all regulations of storage (Federal, Provincial, State, Municipal and Local)

### DISPOSAL

Disposal or destruction of explosives and detonators must be carried out in accordance with national regulations for handling / disposal of explosives.

### ENERGIE OF THE EBBOS CHZ

Casing Length 25 mm:	100 Joule	colour coding: natural	2000 Joule	colour coding: blue
	250 Joule	colour coding: white	2500 Joule	colour coding: yellow
	500 Joule	colour coding: grey	5000 Joule	colour coding: green
	1000 Joule	colour coding: red		
Casing Length 29 mm:	10000 Joule	colour coding: black		
Casing Length 50 mm:	20000 Joule	colour coding: black		

Igniter class 1 (So-7A) (colour of the wire: red/white)

Fuse head resistance 1.00 up to 2.00 Ohm

Total resistance/iron wire 1.10 up to 2.20 Ohm (wire length 20 cm)

No-Fire current / No-Fire impulse = 0.18 A / 0.8 mJ/Ω

All-Fire current / All-Fire impulse = 0.6 A / 3.0 mJ/Ω

Series firing: 5 igniters = 0.8 A

With fuse head Class 2 (So-10U) (colour of the wire: yellow/white)

Fuse head resistance 0.4 up to 0.8 Ohm

Total resistance/iron wire 0.5 up to 1.0 Ohm (wire length 20 cm)

No-Fire current / No-Fire impulse = 0.45 A / 8 mJ/Ω

All-Fire current / All-Fire impulse = 1.3 A / 16 mJ/Ω

Series firing: 6 igniters = 1.5 A

With fuse head Class 4 (So-12HU) (colour of the wire: blue/white):

Fuse head resistance 0.03 up to 0.04 Ohm

Total resistance/copper wire 0.04 up to 0.05 Ohm (wire length 20 cm)

No-Fire current / No-Fire impulse = 4.0 A / 1100 mJ/Ω

All-Fire current / All-Fire impulse = 13 A / 2500 mJ/Ω

Series firing: 6 igniters = 25 A

### EC Type-Examination and Classification

EC Type-Examination	
Certificate no.:	0589.PYR.4566/11
Registration number:	0589-P1-0618
UN number:	0454
Proper shipping name:	Igniters
Shipping classification:	1.4S
Division:	1.4

Company:  
Beylingsstraße 59  
D-44329 Dortmund  
Amisgericht Dortmund HfB 3765

Telephone:  
+49 231 230500  
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CEO  
Dipl.-Ing. Joachim Sturm  
USt-ID.: DE 124 916 976

Subject to change without notice  
Issue: 01/2016  
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## Declaration by bidder

(Please specify Class of Supplier and Local Content percentage)

In accordance and manner as specified in Order No. P45021/2/2017-PP (BE-II) dated :  
04<sup>th</sup> June 2020 issued by DIPP, Ministry of Commerce and Industries, GoI.

To,  
The Registrar,  
Indian Institute of Technology (Indian School of Mines)  
Dhanbad -826004  
Respected Sir,

In accordance with the order No. P-45021/2/2017-PP (BE-II) dated 04<sup>th</sup> June, 2020, I hereby declare that

- i) I am aware about all provision mentioned in GeM Bid No. ....as well as order No. P-45021/2/2017-PP (BE-II) dated 04<sup>th</sup> June, 2020 and abides by the same.
- ii) I declare that for this tender, I am a Class-I local supplier / Class-II local supplier / Non-local supplier (Strike out whichever is not applicable) and classification is based on local content of goods/services/work offered by bidder in this tender.
- iii) **Local content (in percentage) in offered good/services/work is: \_\_\_\_\_%**  
*Whereas 'Local Content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.*
- iv) The local content for all inputs which constitute the said goods/services/works has been verified and bidder is responsible for the correctness of the claims made therein.
- v) Details of items, amount and location(s) at which the local value addition is made:

Sl. No.	ITEM (S)	AMOUNT	LOCATION(S)
1.			
2.			
3.			
4.			
5.			
6.			
7.			

Date:

Signature:

Name of Authorized Signatory:

Name of Bidder:

Seal of Bidder:

**SELF-CERTIFIED DECLARATIONS FOR TAKING PART IN TENDER**

**a. Regarding blacklisting / debarring**

**b. Insolvency**

1. I / We \_\_\_\_\_ (Tenderer) hereby declare that the firm / agency / Company, namely M/s \_\_\_\_\_ has not been declared as insolvent.

**AND**

2. I / We \_\_\_\_\_ (Tenderer) hereby declare that the firm / agency / Company, namely M/s \_\_\_\_\_ has not been blacklisted or debarred in the past by Union / State Government or Organization from taking part in Government tenders in India.

**OR**

2. I / We \_\_\_\_\_ (Tenderer) hereby declare that the Firm/Agency/Company, namely M/s \_\_\_\_\_ was blacklisted or debarred by Union/ State Government or any Organization from taking part in Government tenders for a period of \_\_\_\_\_ years w.e.f. \_\_\_\_\_ to \_\_\_\_\_. The period is expired and now the Firm/Agency/Company is entitled to take part in Government tenders.

In case the above information is found to be false I / We are fully aware that the tender/contract will be rejected / cancelled by Director, IIT(ISM) Dhanbad, and EMD shall be forfeited.

In addition to the above the Director, IIT(ISM) Dhanbad will not be responsible to pay the bills for any completed/partially completed work.

**Date:**

**Place:**

**Self Certification:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Stamp:**

**UNDERTAKING**

**(To be signed and submitted/uploaded along with Technical bid documents on Company's Letter Head)**

**(As per Office Memorandum No. F.7/10/2021-PPD(1) dated: 23.02.2023 issued by Department of Expenditure (Ministry of Finance), Govt. of India)**

**Model certificate for Tenders**

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]"

**Place:**

**Signature:**\_\_\_\_\_

**Date:**

**Name:**\_\_\_\_\_

**Stamp:**\_\_\_\_\_

**OR**

**Model certificate for tenders for work involving possibility of sub-contracting**

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contracting from such countries I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub contract any work to a contract form such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Provide Compliance for the above in Vendor Specified Commercial Terms.]"

**Place:**

**Signature:**\_\_\_\_\_

**Date:**

**Name:**\_\_\_\_\_

**Stamp:**\_\_\_\_\_

**PRICE BID**

Name of the Bidder \_\_\_\_\_

RFQ Reference No. \_\_\_\_\_

Sl. No.	Full Description of items	Quantity	Unit Price (In EUR)	Total Amount (In EUR)
1				

Price Basis: CPT (Kolkata Airport)

Signature of Bidder

Name \_\_\_\_\_

Business

Address \_\_\_\_\_

