



ROMANIAN ENGINEERING AND DESIGN  
INSTITUTE FOR OIL REFINERIES  
PLOIESTI - ROMANIA

## MATERIAL REQUISITION

NO. **1276.00-32-2511**

REV.  
0

## SAFETY SHOWER

SHEET. **1**

OF **3**

REV.	DATE	BY	CH'D	APP'D
0	09/2019	FID	PII	AID
1				
2				
3				
4				

JOB: 1276/2017  
CUSTOMER: S.C. PETROTEL-LUKOIL S.A. PLOIESTI  
UNIT: Sistem inchis de stripare si racire camere coacs - BLOWDOWN

SHOP INSPECTION  
YES ☐ , NO ☐

## ATTACHMENTS

Safety Shower Specification - 1276.00-32-2510.00

FURNISH AND DELIVER THE ITEMS BELOW TO: S.C. PETROTEL-LUKOIL S.A.

MATERIAL REQUIRED AT: \_\_\_\_\_  
NOT LATER THAN: \_\_\_\_\_

ITEM No.	QUANTITY AND UNIT	SIZE AND DESCRIPTION	CODE	
1.	1 SET	VENDOR DRAWINGS AND DATA REQUIREMENTS		
2.	1 PC	SAFETY SHOWER - FULLY EQUIPPED (Combined Safety Shower (Face - Eye and Body) including the cabin		
3.	MFR REC	SPARE PARTS FOR:		
4.		- COMMISSIONING		
5.		- START - UP		
6.		- FIRST YEAR GUARANTEE		
7.		- NEXT 2 YEARS OF OPERATION		
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				

NOTES:





**VENDOR'S DRAWINGS AND DATA REQUIREMENTS****NO. 1276.00-32-2511**REV.  
0

SHEET.

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OF

3**INSTRUCTIONS**

1. THE SUPPLY OF VENDOR DRAWINGS AND DATA CALLED FOR HEREIN SHALL BE COMPLETED BEFORE RENDERING FINAL INVOICES.
  2. DOCUMENTS SHALL SHOW EQUIPMENT NUMBERS, PURCHASE ORDER NUMBERS AND VENDOR'S OWN TITLE DRAWING AND REVISION NUMBERS, ALL IN THE LOWER HAND CORNER.
  3. DOCUMENTS SHALL BE ACCOMPANIED BY QUADRUPLICATE COPIES OF A LETTER LISTING PURCHASE ORDER NUMBERS, EQUIPMENT NUMBERS, WORK REFERENCE NUMBER, AND SHALL BE DISPATCHED (BY MAIL) IN THE FOLLOWING MANNER:
    - a) ONE COPY OF ALL DRAWINGS/DOCUMENTS AS LISTED IN THE TABLE ALONGSIDE TO THE FOLLOWING ADDRESS: **TITULAR OF THE PURCHASE ORDER**
    - b) THE REMAINING COPIES OF ALL DRAWINGS/DOCUMENTS TOGETHER WITH THE CD'S AS LISTED IN THE TABLE ALONGSIDE TO THE CLIENT.
- ONE COPY OF ALL DRAWINGS/DOCUMENTS IN ADDITION TO THE NUMBER OF PRINTS LISTED IN THE TABLE ALONGSIDE WILL BE PACKED WITH THE EQUIPMENT / MATERIALS AS PER GENERAL PURCHASE CONDITIONS.
4. DRAWINGS OR DATA RETURNED TO VENDOR FOR REVISION SHALL BE RESUBMITTED WITHIN ONE WEEK.
  5. CORRESPONDENCE ACCOMPANYING REVISED DRAWINGS AND DATA MUST SHOW PURCHASE ORDER NUMBER.
  6. OPERATING INSTRUCTIONS SHALL COVER ALL COMPONENTS OF THE ORDER IF THE VENDOR IS FURNISHING SIMILAR EQUIPMENT ON SEVERAL ORDERS FOR THE PROJECT, A COMPOSITE INSTRUCTION MANUAL SHALL BE PROVIDED.
  7. BUYER'S APPROVAL OF DRAWING AND DATA IS REQUIRED PRIOR TO FABRICATION.
  8. BUYER'S APPROVAL OF CERTIFIED DRAWINGS IS REQUIRED PRIOR TO SHIPMENT.
  9. EXTERN RIGHT HAND COLUMN SPECIFIES THE MAXIMUM NUMBER OF WEEKS DURING WHICH THE FINAL DRAWINGS MUST BE COMPLETED FROM THE DATE OF PURCHASE ORDER.
  10. ALL DOCUMENTS TO BE SUBMITTED IN BOTH ROMANIAN AND ENGLISH LANGUAGE.
  11. DIMENSIONS, WEIGHTS AND MEASURES FOR DRAWINGS, ETC., TO BE SI UNITS.
  12. \* DATA REQUIRED WITH BIDS (REQUIRED NO. OF PRINTS AND CD's WILL BE AGREED WITH CLIENT).

DWG CODE	TYPE OF DRAWINGS/DOCUMENTS	DWG. REQ'D. (YES/NOT)	REQ'D NO. OF		NO. OF WEEKS
			CD's	PRINTS	
A1	ARRG'T DRAWINGS WITH OUTLINE INCLUDING DETAILS FOR FOUNDATION DESIGN.	YES*			
B	CROSS SECTION AND PARTS LISTS	YES*			
C1	FABRICATION DETAILS	YES			
C2	SHOWER ATTACHMENT DETAILS	YES*			
D1	CERTIFIED PERFORMANCE CURVES	YES			
D2	CERTIFIED TEST RECORDS	YES			
D3	ESTIMATED PERFORMANCE DATE	YES			
D4	CALIBRATION CURVES	YES			
E1	DIAGRAM OF WIRING CONNECTIONS	YES			
E2	SCHEMATIC DIAGRAMS ( ELECTRICAL )	YES*			
F	CONDUIT AND CABLE LAYOUTS	YES			
G	PIPING AND INSTRUMENTS DIAGRAMS	YES			
H1	MILL TEST REPORTS & SUPPORTING , DOCUMENTS INCLUDING PHYSICAL AND CHEMICAL TEST CERTIFICATES	YES			
H2	CODE CERTIFICATES	YES			
H3	CE MARK	YES			
J1	OPERATING INSTRUCTIONS	YES			
J2	ASSEMBLY AND INSTALLATION DETAILS	YES			
J3	ERECTION DRAWINGS ( WEIGHT AND C OF G )	YES*			
K	PRICED RECOMMENDED SPARES PART LISTS	YES*			
L	COMPLETED DATA SHEET	YES*			
M	MATERIAL SPECIFICATIONS	YES*			
P	CALCULATIONS	YES			
Q	DRAWING INDEX	YES*			
R	RIVET AND BOLT SCHEDULE				
T	PHOTOGRAPHIC NEGATIVES				
V	BENDING LIST				
W	WELDING PROCEDURES	YES			
Z	CERTIFIED DRAWINGS	YES			
Y	WAREHOUSING INSTRUCTION	YES			

**VIZA BUN DE EXECUTIE**

Specialist Pregatire Documentatie

**COMAN ION**

SEMNAURA

DATA



## NOTES

NO. 1276.00-32-2511

REV.

0

## DESIGNER REQUEST

SHEET.

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OF

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THE OFFER MUST FULLY COMPLY WITH THE PROJECT SPECIFICATIONS.

IN CASE OF DEVIATIONS FROM THE PROJECT SPECIFICATIONS, THESE DEVIATIONS SHALL BE LISTED SEPARATELY AND EXPLANATIONS INCLUDED (SEE MODEL BELOW).

NO.	SPECIFICATION NO., ARTICLE, PAGE	SPECIFIED REQUIREMENTS	DEVIATIONS	JUSTIFICATIONS
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

BIDDER'S NAME:

DATE:

BIDDER'S SIGNATURE

IF THE ABOVE ARE NOT FULFILLED, THE OFFERS SHALL NOT BE TAKEN INTO CONSIDERATION.







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## PROJECT SPECIFICATION

No. **1276.00-32-2510.00**

REV.

0

### SAFETY SHOWER

SHEET **1** OF **2**

REV.	DATE	BY	CH'D	APP'D
0	9/13/19	FID	PII	AID
1				
2				
3				
4				

JOB 1276/2017  
CUSTOMER S.C. PETROTEL-LUKOIL S.A. PLOIESTI  
UNIT Sistem inchis de stripare si racire camere coacs - BLOWDOWN

## 1. GENERALITIES

### 1.1. Purpose and Applicability

This Project Specification covers the requirements to be met when designing the technical and commercial offer for the supply of Combined Safety Shower (Face - Eye and Body) including the cabin. They form an integral part of the Occupational Safety and Health Safety System.

### 1.2. Applicable codes, standards and regulations

- ANSI Z358.1-2004;
- All applicable laws, norms, codes and standards on the protection of the health and safety of workers from the risks related to chemical agents at work.



## 2. PURPOSE OF DELIVERY

It is required to deliver the Combined Safety Shower (Face - Eye and Body) including the cabin to ensure Occupational Safety and Health (1 piece).

## 3. OPERATING CONDITIONS AND REQUIRED PERFORMANCE

### 3.1. Operating Conditions

Safety Shower is the emergency system used in spraying, with the risk of chemical burns, and for clothing.

Safety Shower shall be located outdoors in an explosion-hazardous area. They will be connected to the drinking water supply system of the unit and will be equipped (optionally) with a water tank having the capacity  $V = 1200l$ .

The water heating system will be electric:

- $P=1KW \div 3KW$ ,  $U=220V$ .

The Safety Shower will be equipped with a visual and acoustic alarm system.

### 3.2. Performances required

- Unit must deliver at least 3.0 GPM (11.4 liters) (for eye/face wash) or 0.4 GPM (1.5 liters) (for eyewash) for 15 minutes (as per ANSI Z358.1-2004).
- Shower shall provide 20 gallons (75.7 liters) of water per minute for 15 minutes. (as per ANSI Z358.1-2004).
- Minimum working time of shower face-eye (as per ANSI Z358.1-2004) - 15 min.
- Minimum running time shower body (as per ANSI Z358.1-2004) - 15 min.

**PROJECT SECIFICATION**  
**- SAFETY SHOWER****NO. 1276.00-32-2510.00**

REV.

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SHEET. 2 OF 2

- Water temperature: 20.0 C ÷ 35.0 C

**4. Local climatic conditions**

- Low Ambient Temperature: + 5<sup>0</sup> C
- High Ambient Design Temperatures: + 47<sup>0</sup> C

**5. SPECIAL REQUIREMENTS**

All information will be in local language and English.

**6. THE CONTENT OF THE OFFER****6.1. The Technical Offer** will contain:

- Written and drawn technical documentation
- Quality certificate
- Technical Agreement
- The equipment will have the EU (EC) / CS mark and will be delivered with the EU / EC Declaration of Conformity / CS

**6.2. The Commercial Offer** will include:

The price of the equipment provided to the specified requirements.

