



MINISTRY OF PLANTATION

STATE MINISTRY OF COMPANY ESTATE REFORMS, TEA
AND RUBBER ESTATE RELATED CROPS CULTIVATION AND
FACILITIES MODERNIZATION AND TEA AND RUBBER
EXPORT PROMOTION



RUBBER RESEARCH INSTITUTE OF SRI LANKA

RRISL/PRO/CAPITAL/AVIT/2022 [14]

Registered Post

BID NOTICE

Purchase of Indirect Surge Protectors

Bids are invited for quotations for Purchase of Indirect Surge Protectors as per the specifications given in the attached sheet.

Sealed bids furnishing the information required **in the attached standard Bidding document (Annexure I) filling the all empty cages** should be send to the Chairman, Department Procurement Committee, Rubber Research Institute of Sri Lanka, Dartonfield, Agalawatta under registered cover or should be placed into the box available in the Account Department (Procurement unit), Dartonfield, Agalawatte. **Otherwise they will be rejected.**

The envelope containing the Bid should bear the words **“Purchase of Indirect Surge Protectors”** in its top left corner. Bids close at 10.30 am. On 24.05.2022 and they will be opened immediately after the closing time on the same day at Dartonfield, Agalawatte. The decision of the Procurement Committee will be final and definite. Bidders or their authorized representatives will be permitted to be present for the event of opening of bids.

**Chairman
Departmental Procurement Committee (Minor)
Rubber Research Institute of Sri Lanka
Dartonfield, Agalawatte
2022.05.10**

01. Specifications of Indirect Surge Protector for Power Panels– 03 Nos.**Technical Specification**

Feature	Description	Compliance (Yes/No/Detail).
Nominal voltage	230	
Protection level	Class 1+2,3 Phase-4 Wire	
Total discharge current Itotal (10/350)	25kA	
Nominal discharge current (8/20) In	30kA	
Impulse discharge current (10/350) Iimp	7k	
Arrestor surge current (8/20) [Itotal]	120kA	
Maximum discharge current (8/20 μ s)	50kA	
Protection rating with visual function display(analog)	IP20	
<u>Warranty</u> The bidder should offer <u>minimum five (05) years comprehensive onsite warranty against manufacturing defects</u> for surge protector & installation. Bidder should submit the Country of Manufacture, Make/Brand, Model & Warranty period of the surge protector quoted with their tender submission with Catalogues and <u>it is essential to submit test certification, test report number & contact details of relevant testing laboratory for the surge protector which has gained by the manufacturer.</u>	Please Specify	

Validity Period of the Bid	
Total Price : Without VAT	
With VAT & Other Taxes.	
Total price including all taxes (in figures)	
(in words)	

02. Indirect Surge Protector for Network (RJ 45) - 02 Nos.

Technical Specification

Feature	Description	Compliance (Yes/No/Detail).
Make	Please Specify	
Model	Please Specify	
Country of Origin	Please Specify	
Country of Manufacturer	Please Specify	
Category	Type 2+3 / C2+C1	
SPD to IEC 61643-21	Class II+III / C2+C1	
Version	Fine protection, 8 wires + shield	
Number of poles	8,00	
Channel performance ISO/IEC	Class EA	
Channel performance Ansi/EA	CAT 6A	
Insertion loss	≤ 3 dB	
Earthing via:	Connection cable / DIN rail	
Total discharge current (8/20)	7 kA	
Frequency range	> 500 MHz	
Maximum continuous voltage AC	41,00 V	
Maximum continuous voltage DC	58,00 V	
Lightning protection zone LPZ	1 \rightarrow 3	
Rated current	1,00 A	
Installation type	Connector/cable adapter	
Testing standard	IEC 61643-21	

Shielding connection	Should be available	
Shield connection	Direct	
Protection rating	IP10	
Protection level wire-wire	<120 V	
Protection level wire-earth	<700 V	
Connection system	RJ45 8(8)	
Impulse durability wire-wire	C1: 0,3 kV / 0,15 kA (8/20µs)	
Impulse durability wire-earth	C2: 2 kV / 1 kA (8/20µs)	
Warranty	Five (05) years for Manufacturing defects	

Validity Period of the Bid	
Total Price : Without VAT	
With VAT & Other Taxes.	
Total price including all taxes (in figures)	
(in words)	

03. Specifications of Data Line Protection Device for Direct Telephone Lines

Technical Specification

Feature	Description	Compliance (Yes/No/Detail).
Make	Please Specify	
Model	Please Specify	
Country of Origin	Please Specify	
Country of Manufacturer	Please Specify	
Lightning protection zone LPZ	0→3	
Rated current	0,30 A	
Nominal load current AC	0,20 A	
Nominal load current DC	0,30 A	
Installation type	Connector/cable adapter	
Testing standard	IEC 61643-21	
Protection rating	IP40	
Protection level wire-wire	<300 V	
Protection level wire-earth	<600 V	
Protection level, wire-earth at 1kV/ μ s (C3)	<245 V	
Series resistance per wire	8,2 $\Omega \pm 10 \%$	
Signaling on device	Without	
Connection system	RJ11	
Impulse durability wire-wire	C1: 1 kV / 0,5 kA (8/20)	
Impulse durability wire-earth	C2: 2 kV / 1 kA (8/20)	
Warranty	Five (05) years for Manufacturing defects	

Validity Period of the Bid	
Total Price : Without VAT	
With VAT & Other Taxes.	
Total price including all taxes (in figures)	
(in words)	

04. Specifications of krone type 10 pair Surge Protectors for PABX System – 05 Nos.

Technical Specification

Description	Qty.	Compliance
<u>Supply and installation of krone type 10 pair Surge Protectors for PABX System - Data side</u> <u>Technical Specifications</u> Continuous voltage=120VAC/180VDC, Total discharge current (8/20 μ s) =10kA, Total discharge current (10/350 μ s) =10kA, Impulse durability wire to wire 10kV/5kV (8/20 μ s), Impulse durability wire to earth 10kV/5kV (8/20 μ s) with 20 gas charge tubes.	05 Nos.	
<u>Warranty</u> The bidder should offer <u>minimum five (05) years comprehensive onsite warranty against manufacturing defects</u> for surge protector & installation. Bidder should submit the Country of Manufacture, Make/Brand, Model & Warranty period of the surge protector quoted with their tender submission with Catalogues and <u>it is essential to submit test certification, test report number & contact details of relevant testing laboratory for the surge protector which has gained by the manufacturer.</u>		

Validity Period of the Bid	
Total Price : Without VAT	
With VAT & Other Taxes.	
Total price including all taxes (in figures)	
(in words)	

Name of the Authorized Officer

Signature of the Authorized Officer

Name of the Company & Address

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VAT Registration No.

Address

.....

Telephone Nos.

Rubber Stamp

Date :