

<u>BNPM/OTE/SLC/0685/2</u> <u>022-23</u>	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	
	<u>CORRIGENDUM No. 3</u> <u>SUPPLY OF SAFETY LIGHT CURTAINS AT BNPM PLANT,</u> <u>MYSURU</u>	

CORRIGENDUM No. 3 DATED 31.01.2023

FOR

TENDER No.

BNPM/OTE/SLC/0685/2022-23 dated 22.12.2022

PURCHASER	:	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED
MATERIAL	:	SUPPLY OF SAFETY LIGHT CURTAINS AT BNPM PLANT, MYSURU
LOCATION	:	BNPM PLANT, MYSURU, KARNATAKA



BNPM/OTE/SLC/068 5/2022-23	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	
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1.0 SCOPE OF THIS CORRIGENDUM

1. Details provided in this corrigendum shall override those mentioned in the tender no. BNPM/OTE/SLC/0685/2022-23 dated 22.12.2022

2. Except for details mentioned herein, all other details contained in the tender no. BNPM/OTE/SLC/0685/2022-23 dated 22.12.2022 shall remain unchanged.

3. Amendment to requirements :-

i) Refer tender page no.3 of 62 & 31 of 62, Section I & Section VI to be read as :-

Schedule No.	Brief Description of Goods / Services	EMD
01	Safety Light Curtain Transmitter , Field Height -1500mm, Resolution - 40mm	Rs. 14,500/-
02	Safety Light Curtain Receiver , Field Height -1500mm, Resolution - 40mm	
03	Safety Light Curtain - Transmitter; Scanning Range = 20m, Protective field height = 1200 mm	
04	Safety Light Curtain-Receiver; Scanning Range = 20m, Protective field height = 1200 mm	

ii) Due date of bid submission to be read as:

Closing date and time for receipt of tenders	09.02.2023; 1100 Hrs.
Time and date of opening of techno-commercial & price bid	09.02.2023; 1130 Hrs.

iii)Section IX- Qualification/Eligibility Criteria to be read as

iv)

v)

vi) :

As per tender, financial standings	Revised financial standings
Average annual turnover of the bidder firm during last three financial year's period ending 31.03.2022 should be more than Rs. 1,10,000/- (Rupees One Lakhs and Ten thousands only)	Average annual turnover of the bidder firm during last three financial year's period ending 31.03.2022 should be more than Rs. 2,14,000/- (Rupees Two Lakhs Fourteen Thousands only)



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iv) Refer tender Section VII, Technical Specifications to be read as:-

S. No	Item	Technical Specification	Qty
1	Safety Light Curtain Transmitter , Field Height -1500mm, Resolution - 40mm	<p>Safety Light Curtain Transmitter , Field Height -1500mm, Resolution - 40mm</p> <p>Protective Field Data : Resolution- 40 mm Nominal Protective field height-1,500 mm Operating range 0 ... 20mtr</p> <p>Optical data Synchronization Optical between transmitter and receiver Light source LED, Infrared Wavelength 940 nm Transmitted-signal shape Pulsed</p> <p>Electrical data Inbuilt Overvoltage protection & Short circuit protected Supply voltage U 24 V, DC, +/-20% Fuse 2 A semi time-lag</p> <p>Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V Voltage type DC Number of digital switching inputs - 1 nos Connection 1 Function Machine interface Type of connection Connector Thread size M12 Type Male Material Metal No. of pins 5 -pin Encoding A-coded Connector housing FE/SHIELD</p> <p>Operation and display</p>	1 No



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		<p>Type of display LED Number of LEDs 2 nos</p> <p>Mechanical data Approx. Dimension (W x H x L) 29 mm x 1,566 mm x 35.4 mm (max 1% variation permissible in the dimensions)</p> <p>Housing material Metal Metal housing Aluminum Lens cover material Plastic / PMMA Material of end caps Diecast zinc Housing color Yellow, RAL 1021 Type of fastening - Swivel mount</p> <p>Degree of protection IP 65 Protection class III Ambient temp - operation 55Deg C (max)</p> <p>Characteristic parameters Type 4, IEC/EN 61496 SIL 3, IEC 61508 SILCL 3, IEC/EN 62061 Mission time TM 20 years, EN ISO 13849-1 TÜV Süd</p> <p>Application : Access guarding ,Danger zone guarding ,Hand protection Function : Range reduction ,Transmission channel changeover Warranty 1 year Datasheet required</p> <p>Brands : Leuze, SICK , Turck, Banner , Schmersal , Pepperl+Fuchs, IFM ,Omron / any other equivalent brand approved by BNPM (Equivalent Model : Part No -68000415 , MLC500T40-1500 , Leuze Brand)</p>	
2	<p>Safety Light Curtain Receiver , Field Height -1500mm, Resolution - 40mm</p>	<p>Safety Light Curtain Receiver , Field Height -1500mm, Resolution - 40mm</p> <p>Protective field data Resolution 40 mm Protective field height 1,500 mm</p> <p>Optical data Synchronization Optical between transmitter and receiver</p> <p>Electrical data</p>	1 No



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		<p>Inbuilt Overvoltage protection & Short circuit protected Supply voltage U 24 V, DC, +/-20% Fuse 2 A semi time-lag Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V Voltage type DC</p> <p>Number of digital switching inputs - 3 Number of safety-related switching outputs (OSSDs) - 2 Safety-related switching outputs Type Safety-related switching output OSSD Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V Voltage type DC Current load, max. 380 mA Load inductivity 2,000 µH Load capacity 0.3 µF Residual current, max. 0.2 mA Residual current, typ. 0.002 mA Voltage drop 1.5 V</p> <p>Function Machine interface Type of connection Connector Thread size M12 Type Male Material Metal No. of pins 8 -pin Encoding A-coded Connector housing FE/SHIELD</p> <p>Timing Response time 14 ms Restart delay time 100 ms</p> <p>Type of display 7-segment display LED Number of LEDs 2 nos</p> <p>Mechanical data Approx. Dimension (W x H x L) 29 mm x 1,566 mm x 35.4</p>	
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		<p>mm (max 1% variation permissible in the dimensions) Housing material Metal Metal housing Aluminum Lens cover material Plastic / PMMA Material of end caps Diecast zinc Housing color Yellow, RAL 1021 Type of fastening Swivel mount</p> <p>Degree of protection IP 65 Protection class III Ambient temp - operation 55Deg C (max) TÜV Süd Characteristic parameters Type 4, IEC/EN 61496 SIL 3, IEC 61508 SILCL 3, IEC/EN 62061 Performance Level (PL) e, EN ISO 13849-1 PFHD 7.73E-09 per hour Mission time TM 20 years, EN ISO 13849-1 Category 4, EN ISO 13849</p> <p>Application : Access guarding ,Danger zone guarding ,Hand protection</p> <p>Warranty 1 year Datasheet required</p> <p>Brands : Leuze, SICK ,Turck, Banner , Schmersal , Pepperl+Fuchs, IFM ,Omron / any other equivalent brand approved by BNPM</p> <p>(Equivalent Model Part no.: 68002415 ,MLC520R40-1500 , Leuze Brand)</p>	
3	<p>Safety Light Curtain - Transmitter; Scanning Range = 20m, Protective field height = 1200 mm</p>	<p>Item = Safety light curtains -Transmitter, Resolution = 14 mm, Scanning Range (min) = 20 m, Protective field height = 1200 mm, No blind zones = Yes, Optical synchronisation, Integrated laser alignment aid, Protective operation, Automatic calibration of the protective field width, Type = Type 4 (IEC 61496-1)</p>	1 No



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		<p>Safety integrity level = SIL3 (IEC 61508) ; SILCL3 (IEC 62061), Category = Category 4 (ISO 13849-1), System connection = Depending on system plug (M12 male connector, 8-pin), Configuration method = DIP switch on system plug, Display elements = LEDs, Supply voltage = 18VDC to 24VDC, Enclosure rating = IP67 Type of light = Near-infrared (NIR), invisible, Integrated laser alignment aid, Laser class = 1, Make: SICK (Model No. C4P-SA12011A00) / Any equivalent make approved by BNPM.</p>	
4	<p>Safety Light Curtain-Receiver; Scanning Range = 20m, Protective field height = 1200 mm</p>	<p>Item = Safety light curtains Receiver Resolution = 14 mm, Scanning Range (min) = 20 m, Protective field height = 1200 mm, No blind zones = Yes, Response time = 16 ms (Uncoded) ; 34 ms (code 1 or code 2) Optical synchronisation, Integrated laser alignment aid, Protective operation, Automatic calibration of the protective field width, Restart interlock, External device monitoring (EDM), Smart presence detection, Dynamic protective field width during operation, Type = Type 4 (IEC 61496-1) Safety integrity level = SIL3 (IEC 61508) ; SILCL3 (IEC 62061), Category = Category 4 (ISO 13849-1), System connection = Depending on system plug (M12 male connector, 8-pin), Configuration method = DIP switch on system plug, Display elements = LEDs, Display of the synchronization status of the upper and</p>	1 No



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	<p>lower beams, Application diagnostic output (ADO), IO-Link, Near Field Communication (NFC), Supply voltage = 18VDC to 24VDC, Type of output = 2 PNP semiconductors, short-circuit protected, cross-circuit monitored Enclosure rating = IP67 Type of light = Near-infrared (NIR), invisible, Integrated laser alignment aid, Laser class = 1, Make: SICK (Model No.C4P-EA12011C00) / Any equivalent make approved by BNPM.</p>	
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V) Refer tender Section VIII, Quality Control Requirements to be read as:-

S. No	Item Description	Features	Whether agreed by the bidder	Deviation if any
1	Safety Light Curtain Transmitter , Field Height - 1500mm, Resolution - 40mm	<p>Safety Light Curtain Transmitter , Field Height -1500mm, Resolution - 40mm</p> <p>Protective Field Data : Resolution- 40 mm Nominal Protective field height-1,500 mm Operating range 0 ... 20mtr</p> <p>Optical data Synchronization Optical between transmitter and receiver Light source LED, Infrared Wavelength 940 nm Transmitted-signal shape Pulsed</p> <p>Electrical data</p>	Yes agreed	

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		<p>Inbuilt Overvoltage protection & Short circuit protected Supply voltage U 24 V, DC, +/-20% Fuse 2 A semi time-lag</p> <p>Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V Voltage type DC Number of digital switching inputs - 1 nos Connection 1 Function Machine interface Type of connection Connector Thread size M12 Type Male Material Metal No. of pins 5 -pin Encoding A-coded Connector housing FE/SHIELD</p> <p>Operation and display Type of display LED Number of LEDs 2 nos</p> <p>Mechanical data Approx. Dimension (W x H x L) 29 mm x 1,566 mm x 35.4 mm (max 1% variation permissible in the dimensions)</p> <p>Housing material Metal Metal housing Aluminum Lens cover material Plastic / PMMA Material of end caps Diecast zinc Housing color Yellow, RAL 1021 Type of fastening - Swivel mount</p> <p>Degree of protection IP 65 Protection class III Ambient temp - operation 55Deg C (max)</p>		
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		<p>Characteristic parameters Type 4, IEC/EN 61496 SIL 3, IEC 61508 SILCL 3, IEC/EN 62061 Mission time TM 20 years, EN ISO 13849-1 TÜV Süd</p> <p>Application : Access guarding ,Danger zone guarding ,Hand protection Function : Range reduction ,Transmission channel changeover Warranty 1 year Datasheet required</p> <p>Brands : Leuze, SICK , Turck, Banner , Schmersal , Pepperl+Fuchs, IFM ,Omron / any other equivalent brand approved by BNPM (Equivalent Model : Part No -68000415 , MLC500T40-1500 , Leuze Brand)</p>		
2	Safety Light Curtain Receiver , Field Height - 1500mm, Resolution - 40mm	<p>Safety Light Curtain Receiver , Field Height -1500mm, Resolution - 40mm</p> <p>Protective field data Resolution 40 mm Protective field height 1,500 mm</p> <p>Optical data Synchronization Optical between transmitter and receiver</p> <p>Electrical data Inbuilt Overvoltage protection & Short circuit protected Supply voltage U 24 V, DC, +/-20% Fuse 2 A semi time-lag Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V Voltage type DC</p> <p>Number of digital switching inputs - 3</p>	Yes agreed	



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		<p>Number of safety-related switching outputs (OSSDs) - 2 Safety-related switching outputs Type Safety-related switching output OSSD Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V Voltage type DC Current load, max. 380 mA Load inductivity 2,000 µH Load capacity 0.3 µF Residual current, max. 0.2 mA Residual current, typ. 0.002 mA Voltage drop 1.5 V</p> <p>Function Machine interface Type of connection Connector Thread size M12 Type Male Material Metal No. of pins 8 -pin Encoding A-coded Connector housing FE/SHIELD</p> <p>Timing Response time 14 ms Restart delay time 100 ms</p> <p>Type of display 7-segment display LED Number of LEDs 2 nos</p> <p>Mechanical data Approx. Dimension (W x H x L) 29 mm x 1,566 mm x 35.4 mm (max 1% variation permissible in the dimensions) Housing material Metal Metal housing Aluminum Lens cover material Plastic / PMMA Material of end caps Diecast zinc Housing color Yellow, RAL 1021 Type of fastening Swivel mount</p>		
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		<p>Degree of protection IP 65 Protection class III Ambient temp - operation 55Deg C (max) TÜV Süd Characteristic parameters Type 4, IEC/EN 61496 SIL 3, IEC 61508 SILCL 3, IEC/EN 62061 Performance Level (PL) e, EN ISO 13849-1 PFHD 7.73E-09 per hour Mission time TM 20 years, EN ISO 13849-1 Category 4, EN ISO 13849</p> <p>Application : Access guarding ,Danger zone guarding ,Hand protection</p> <p>Warranty 1 year Datasheet required</p> <p>Brands : Leuze, SICK ,Turck, Banner , Schmersal , Pepperl+Fuchs, IFM ,Omron / any other equivalent brand approved by BNPM</p> <p>(Equivalent Model Part no.: 68002415 ,MLC520R40-1500 , Leuze Brand)</p>		
3	<p>Safety Light Curtain - Transmitter; Scanning Range = 20m, Protective field height = 1200 mm</p>	<p>Item = Safety light curtains - Transmitter, Resolution = 14 mm, Scanning Range (min) = 20 m, Protective field height = 1200 mm, No blind zones = Yes, Optical synchronisation, Integrated laser alignment aid, Protective operation, Automatic calibration of the protective field width, Type = Type 4 (IEC 61496-1)</p>	<p>Yes agreed</p>	



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		<p>Safety integrity level = SIL3 (IEC 61508) ; SILCL3 (IEC 62061), Category = Category 4 (ISO 13849-1), System connection = Depending on system plug (M12 male connector, 8-pin), Configuration method = DIP switch on system plug, Display elements = LEDs, Supply voltage = 18VDC to 24VDC, Enclosure rating = IP67 Type of light = Near-infrared (NIR), invisible, Integrated laser alignment aid, Laser class = 1, Make: SICK (Model No. C4P-SA12011A00) / Any equivalent make approved by BNPM.</p>		
4	<p>Safety Light Curtain- Receiver; Scanning Range = 20m, Protective field height = 1200 mm</p>	<p>Item = Safety light curtains Receiver Resolution = 14 mm, Scanning Range (min) = 20 m, Protective field height = 1200 mm, No blind zones = Yes, Response time = 16 ms (Uncoded) ; 34 ms (code 1 or code 2) Optical synchronisation, Integrated laser alignment aid, Protective operation, Automatic calibration of the protective field width, Restart interlock, External device monitoring (EDM), Smart presence detection, Dynamic protective field width during operation, Type = Type 4 (IEC 61496-1) Safety integrity level = SIL3 (IEC 61508) ; SILCL3 (IEC 62061),</p>	<p>Yes agreed</p>	



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		<p>Category = Category 4 (ISO 13849-1), System connection = Depending on system plug (M12 male connector, 8-pin), Configuration method = DIP switch on system plug, Display elements = LEDs, Display of the synchronization status of the upper and lower beams, Application diagnostic output (ADO), IO-Link, Near Field Communication (NFC), Supply voltage = 18VDC to 24VDC, Type of output = 2 PNP semiconductors, short-circuit protected, cross-circuit monitored Enclosure rating = IP67 Type of light = Near-infrared (NIR), invisible, Integrated laser alignment aid, Laser class = 1, Make: SICK (Model No.C4P-EA12011C00) / Any equivalent make approved by BNPM.</p>		
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vi) Refer tender Section XI, Price Bid Format (To be filled Online Through E-Tender Portal):-

Dear Sir,

Sub: PRICE BID FOR SUPPLY OF SAFETY LIGHT CURTAINS AT BNPM PLANT, MYSURU

Ref: e-Tender No: BNPM/OTE/SLC/0685/2022-23 dated 22.12.2022

We have received and understood the above tender enquiry and are pleased to submit our price bid as under:

Sch. No.	Description	UOM	Qty	HSN/ SAC	Basic Unit price (INR)	P&F, Freight & Transit Insurance & any other charges(if any) per unit (INR)	Unit Price (incl. of P&F, Freight, Transit Insurance & any other charges (if any) excl. of	GST (%)	GST on Unit Price (INR)	Total Unit Price (incl. of GST) (INR)	Less: Input Credit (GST) (INR)	Effective Unit Price (net of input tax credit) (F.O.R Mysore)	Total Effective price (net of input tax credit) (F.O.R Mysore)
			A		B	C	D=B+C	E	F=D*E	G=D+F	H=F	I=G-H	J=I*A
1.	Safety Light Curtain Transmitter , Field Height -1500mm, Resolution - 40mm	No's	1										
2.	Safety Light Curtain Receiver , Field Height -1500mm, Resolution - 40mm	No's	1										
3.	Safety Light Curtain - Transmitter; Scanning Range = 20m, Protective field height = 1200 mm	No's	1										
4.	Safety Light Curtain- Receiver; Scanning Range = 20m, Protective field height = 1200 mm	No's	1										
Total effective price (net of input tax credit) for Supply of Safety Light Curtain with freight, P&F, Transit Insurance and any other charges (F.O.R – BNPM, Mysore site) in Figures (INR)													



Total effective price (net of input tax credit) for Supply of Safety Light Curtain with freight, P&F, Transit Insurance and any other charges (F.O.R – BNPM, Mysore site) (in words) (INR)	
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Note: Prices quoted above shall be FOR BNPM, Mysore site basis inclusive of GST, Packing & Forwarding charges, freight, transit insurance and all other charges if applicable less input GST. Effective price shall be considered for arriving the lowest responsive bidder (overall L1).

