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प्लाज़मा अनुसंधान संस्थान INSTITUTE FOR PLASMA RESEARCH परमाणु ऊर्जा विभाग, भारत सरकार का एक सहायता



प्राप्त संस्थान

An Aided Institute of Department of Atomic Energy, Government of India

इन्दिरा प्ल के पास, भाट, गांधीनगर - 382 428 भारत

द्रभाष: (079) 2396 2020/2021/2028

फैक्स: 91-079-23962277

वेब: www.ipr.res.in

NEAR INDIRA BRIDGE, BHAT

DIST. GANDHINAGAR - 382 428 (INDIA) Phone: (079) 2396 2020/2021/2028

Fax : 91-079-23962277

Web : www.ipr.res.in

ENQUIRY

ENQUIRY NO : IPR/EQL/19-20/124

Date : 18-06-2019

Due on : 25-07-2019 by 1:00 PM IST

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items:

Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to localpurchase@ipr.res.in

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., http://www.ipr.res.in/documents/tender_terms.html / attached herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: IPR-LP-01.V4)
- 2) Bidding format

GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS): Please refer clause no: 8 of Form No: IPR-LP-01.V4

QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	2 Core PTFE cable	1000.0 Mtrs.
2	4 Core PTFE cable	1000.0 Mtrs.

Note: Note: (1) Unsigned quotations are not acceptable.

Quotation should be submitted duly signed on ALL PAGES

invariably

(2) TDS as per CGST Act : As per provisions of section No. 51 of the CGST Act 2017, TDS @ 2% (IGST 2% or CGST 1% and SGST 1%) will be deducted while making payment to the suppliers where total value of orders/contracts/work orders exceeds Rs. 2.5 Lakhs, in the event of order in Indian Rupees

Encl: As Per Attachment

Sd/-

Mr. D. Ramesh Purchase Officer-II

Information to Vendors: We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, http://www.ipr.res.in/documents/tenderseng.html for our future requirement.

2 Core PTFE cable technical specifications

Sr.No	Particulars	IPR specifications
		PTFE/Teflon insulated Silver Plated Copper Wire
	Item description	AWG 24/7/32, 2 core individually isolated, twisted,
1		shielded and jacketed.
2	Inner Conductor	Silver plated copper wire
3	No. of strand/strand dia.	7/32 AWG (0.2 mm)
4	Conductor diameter	0.60 mm +/-0.02 mm
5	Core Insulation	PTFE Tape wrapped & fused
6	Finished wire diameter	1.00 mm to 1.21 mm
7	No. of cores	2 core Twisted
8	Insulation color of 2 wire	Red, Black
9	No. of Twist	2 twist or better per Inch
10	Overall shield	Braided silver plated copper
11	Shield Coverage	> 95 % over full length
12	Outer Jacket	PTFE tape 0.25 to 0.30 mm wrapped and fused
13	Outer Jacket Color	Gray
14	Insulation rating	3 KV for 1 second, 600VAC continuous
15	Resistance per 100 meter	8.5 Ω or less (at 20°C)
16	Temperature rating	-65°C to 200°C
17	Minimum continuous length	100 meter or more
18	Total quantity required	1000 meter
19	Technical requirement & testing	As per standard JSS 51034 and JSS51038

4	Core	PTFE cable	e technical	specifications
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Sr.No Particulars IPR specifications 1 Item description PTFE/Teflon insulated Silver Plated Copper Wire AWG 22/19/34, 4 core individually isolated, two different twisted pair, shielded and jacketed. 2 Inner Conductor Silver plated copper wire 3 No. of strand/strand dia. 19/34 AWG (0.16 mm) 4 Conductor diameter 0.80 mm +/-0.02 mm 5 Core Insulation PTFE Tape wrapped & fused 6 Finished wire diameter 1.20 mm to 1.45 mm 7 No. of cores Total 4 core. Two core Twisted pair (Red and Black) with Two core Twisted pair (Yellow & Green) which makes two pair cable which is also twisted with each other. 8 Insulation color of 2 wire Red, Black, Yellow & Green 9 No. of Twist 1 twist or better per Inch 10 Final twist of two twisted pairs 1 twist or better per Inch 11 Overall shield PTFE tape 0.25 to 0.30 mm wrapped and fused 12 Shield Coverage PTFE tape 0.25 to 0.30 mm wrapped and fused 14 Outer Jacket PTFE tape 0.25 to 0.30 mm wrapped and fused 15 Insulation rating 3 KV for 1 second, 600VAC continuous			
PTFE/Teflon insulated Silver Plated Copper Wire AWG 22/19/34, 4 core individually isolated, two different twisted pair, shielded and jacketed. Inner Conductor Silver plated copper wire 19/34 AWG (0.16 mm) Conductor diameter 19/34 AWG (0.16 mm) Core Insulation PTFE Tape wrapped & fused 1.20 mm to 1.45 mm Total 4 core. Two core Twisted pair (Red and Black) with Two core Twisted pair (Yellow & Green) which makes two pair cable which is also twisted with each other. Red, Black, Yellow & Green 1.5 twist or better per Inch 1 twi	Sr No	Particulars	IPR specifications
AWG 22/19/34, 4 core individually isolated, two different twisted pair, shielded and jacketed. 2 Inner Conductor Silver plated copper wire 3 No. of strand/strand dia. 19/34 AWG (0.16 mm) 4 Conductor diameter PTFE Tape wrapped & fused 5 Core Insulation 1.20 mm to 1.45 mm Total 4 core. Two core Twisted pair (Red and Black) with Two core Twisted pair (Yellow & Green) which makes two pair cable which is also twisted with each other. 8 Insulation color of 2 wire Red, Black, Yellow & Green 10 Final twist of two twisted pairs 1 twist or better per Inch 10 Final twist of two twisted pairs Braided silver plated copper 11 Overall shield PTFE tape 0.25 to 0.30 mm wrapped and fused 13 Outer Jacket PTFE tape 0.25 to 0.30 mm wrapped and fused 14 Outer Jacket Color Gray 15 Insulation rating StV for 1 second, 600VAC continuous 16 Resistance per 100 meter -65°C to 200°C 17 Temperature rating 100 meter or more 19 Total quantity required 100 meter	51.110		PTFE/Teflon insulated Silver Plated Copper Wire
Item description different twisted pair, shielded and jacketed.			AWG 22/19/34, 4 core individually isolated, two
2 Inner Conductor Silver plated copper wire		lu description	different twisted pair, shielded and jacketed.
No. of strand/strand dia. 19/34 AWG (0.16 mm)			Silver plated copper wire
4 Conductor diameter 5 Core Insulation 6 Finished wire diameter 7 No. of cores 8 Insulation color of 2 wire 9 No. of Twist 10 Final twist of two twisted pairs 11 Overall shield 12 Shield Coverage 13 Outer Jacket 14 Outer Jacket Color 15 Insulation rating 16 Resistance per 100 meter 17 Temperature rating 18 Minimum continuous length 19 Total quantity required 10 PTFE Tape wrapped & fused 1.20 mm to 1.45 mm 1 Total 4 core. Two core Twisted pair (Red and Black) with Two core Two core Twisted pair (Red and Black) with Two core			19/34 AWG (0.16 mm)
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No. of cores Red, Black, Yellow & Green 1.5 twist or better per Inch 1			with Two core Twisted pair (Yellow & Green) which
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Red, Black, Yellow & Green	_		other.
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	20	Technical requirement & testing	As per standard 3 3 3 1034 and 3 5 5 105 5

Sr.N o	Particulars	IPR specifications	Vendor Specifications
1	Item description	PTFE/Teflon insulated Silver Plated Copper Wire AWG 24/7/32, 2 core individually isolated, twisted, shielded and jacketed.	
2	Inner Conductor	Silver plated copper wire	
3	No. of strand/strand dia.	7/32 AWG (0.2 mm)	
4	Conductor diameter	0.60 mm +/-0.02 mm	
5	Core Insulation	PTFE Tape wrapped & fused	
6	Finished wire diameter	1.00 mm to 1.21 mm	
7	No. of cores	2 core Twisted	
8	Insulation color of 2 wire	Red, Black	4.1
9	No. of Twist	2 twist or better per Inch	
10	Overall shield	Braided silver plated copper	
11	Shield Coverage	> 95 % over full length	
12	Outer Jacket	PTFE tape 0.25 to 0.30 mm wrapped and fused	
13	Outer Jacket Color	Gray	
14	Insulation rating	3 KV for 1 second, 600VAC continuous	
A	Resistance per 100		
15	meter	8.5 Ω or less (at 20°C)	
16	Temperature rating	-65°C to 200°C	
17	Minimum continuous length	100 meter or more	
18	Total quantity required	1000 meter	
19	Technical requirement & testing	As per standard JSS 51034 and JSS51038	

Sr. No	Particulars	IPR specifications	Vendor Specifications
		PTFE/Teflon insulated Silver Plated	
		Copper Wire AWG 22/19/34, 4 core	
1	Item description	individually isolated, two different	
2	Inner Conductor	Silver plated copper wire	
	No. of strand/strand		
3	dia.	19/34 AWG (0.16 mm)	
4	Conductor diameter	0.80 mm +/-0.02 mm	
5	Core Insulation	PTFE Tape wrapped & fused	
6	Finished wire diameter	1.20 mm to 1.45 mm	
		Total 4 core. Two core Twisted pair (Red	
		and Black) with Two core Twisted pair	
		(Yellow & Green) which makes two pair	
49 July		cable which is also twisted with each	
7	No. of cores	other.	1
	Insulation color of 2		
8	wire	Red, Black, Yellow & Green	
9	No. of Twist	1.5 twist or better per Inch	
	Final twist of two		
-	twisted pairs	1 twist or better per Inch	
11,	Overall shield	Braided silver plated copper	Newson Committee
12	Shield Coverage	> 95 % over full length	
**		PTFE tape 0.25 to 0.30 mm wrapped and	
13	Outer Jacket	fused	
14	Outer Jacket Color	Gray	
15	Ingulation active	2 KM C 1	
15	Insulation rating	3 KV for 1 second, 600VAC continuous	
16	Resistance per 100	5.0	,
17	meter Tomporeture retire	5 Ω or less (at 20°C)	
	Temperature rating	-65°C to 200°C	
	Minimum continuous	100	
-	length	100 meter or more	
	Total quantity required	1000 meter	N. S.
	Technical requirement		
20	& testing	As per standard JSS 51034 and JSS51038	