



NATIONAL FERTILIZERS LIMITED

(A Govt. of India Undertaking)

Naya Nangal(Punjab)-140126 India

Materials Department

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Sr. No.	Material Code	Description of Material	UoM	Qty.	Vendor Confirmation (Yes/No/remarks)
1	2010832	CU CABLE -PVC A-Insulated, Round steel armoured, PVC Outer Sheathed cable YWY - 5X2.5SQ.MM, 1.1KV as per technical specs given in ANNEXURE - I and ANNEXURE - II	MR	500	
5	2010822	CU CABLE -PVC A-Insulated, Round steel armoured, PVC Outer Sheathed cable YWY- 3X10SQ.MM, 1.1KV as per technical specs given in ANNEXURE - I and ANNEXURE - VI	MR	500	

Additional Terms and Conditions:

1). PAYMENT TERMS: No Advance Payment shall be made.

100% payment of material supplied will be made within 30 days subject to receipt, acceptance of material at our site.

Mode of Payment: Through NEFT/RTGS by way of Electronic Fund Transfer (EFT). We have our account with State Bank of India (SBI), Naya Nangal, who has Electronic Fund Transfer (EFT) facility, in its Naya Nangal branch and some other important branches. In case, you have your account with SBI, in a branch having EFT facility, you may inform your bank account no., name and place of branch and branch code no., so that your payment can be released through EFT .

Any Bank Charges for this facility of direct credit by State Bank of India, to their bank account will be borne by the party/ tenderer.

2). GUARANTEE/WARRANTY CERTIFICATE:

“Parties have to furnish a Guarantee / Warranty Certificate for your products against defective material / bad workmanship for a period of 12 months from the date of commissioning or 18 months from the date of dispatch, whichever is earlier. In case the material fails during the above Guarantee period due to defective material or bad workmanship, you will have to replace the same free of cost. Certificate must accompany the dispatch documents”.

3). DELIVERIES/LIQUIDATED DAMAGES : Bidder shall quote the minimum guaranteed delivery period.

If the material is not delivered as per specified schedule, NFL reserves the right to either:-

- i. In case of delay in supplies;- accept the goods at its sole NFL discretion after charging liquidated damages @ 0.5% per week or part thereof of the value of stores not delivered, subject to maximum 5% of the order value **Plus GST as applicable on LD Charges**, shall be recovered. However, we reserve our right to cancel the order and/ or purchase the material in open market on your account and at your risk in case of delay in supplies or
- ii. Treat the delay as default of Purchase Order and forfeit security deposit, terminating the Purchase Order forthwith and taking, other action/s against the supplier, within the provisions of the Purchase Order

Checklist			
S.No.	Description	Vendor Response	Remarks
1	Party Name		
2.	Party Contact Person		
3.	Contact No. & Email ID		
4	Bid No. & Date		
5	Bid Validity (90 days)		
6.	Delivery Period (30 days)		
7.	Make of Material		
8.	Guarantee/Warranty Clause Compliance (ATC)		
9.	MSE Status		
10.	Type of Supplier Class-I/Class-II/Non-Local		
11	Bank Detail with Cancelled Cheque		
12.	ATC Document Compliance (duly signed & stamped)		

13.	Payment within 30 days from the date of Receipt & Acceptance of Material		
14	Late Delivery Charges @ 5% of PO value		
15	Restriction Certificate As per Annexure: IV		
16	Make India Certificate As per Annexure: III		

Annexure: III

Self-Certification Form: Make In India (Local Content)

(On Party/Company's Letter Head)

Tender Ref. No.:

To
M/s National Fertilizers Limited,
Nangal-unit, Distt. Pulp Nagar (Pb)-140126

Sub: Certification as per clause 9(a) of Revised Public Procurement (Preference to Make in India Order, 2017 of DPIIT dated 16.09.2020

Sir,

This is to certify that M/s.....a 'Class I Local Supplier' / 'Class II Local Supplier (**Tick appropriate option & cut the other one**)' at the time of tender, bidding or solicitation hereby confirm that the item meets the Local Content requirement for Class I Local Supplier' / 'Class II Local Supplier' (**Tick appropriate option & cut the other one**) and the Local Content percentage is.....

I also certify that the contractor M/s..... has not been debarred by any procuring entity from violation of this order.

The details of the location(s) at which the local value addition made is/are as under:

[Factory Address]

.....
.....
.....

For M/s.....

Authorized Signatory
(with company seal & Name)

Model Clause Certificate: Public Procurement No 1

(On Party/Company's Letter Head)

Tender Ref. No.:

To
M/s National Fertilizers Limited,
Nangal-unit,Distt.- PupNagar (Pb)-140126

Sub: Model Clause Certificate of Restrictions under rule 144 (xi) of the General financial Rules (GFRs) 2017, dated: 23.07.2020

Sir,

I.....(authorized signatory) for
M/s..... have read the clause regarding restrictions on procurement from a contractor of a country
which shares a land border with India.We certify that this contractor M/s..... **[Vendor Name &
address]** is not from such a country.

We hereby certify that our firm fulfils all requirements in this regard and is eligible to be considered. ***The evidence of valid registration by the Competent Authority is attached herewith.***

For M/s.....
Authorized Signatory
(with company seal & Name)

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	Technical Specification for 1.1 KV multi core copper cables	To be confirmed by the bidder
1	1.1kV grade, solid copper conductor, PVC insulated , colour coded, cores laid up, extruded PVC inner sheathed , armoured, overall extruded PVC outer sheathed control cable conforming to IS 1554 amended upto date of following sizes :	
a	5CX 2.5 sqmm	
b	7CX 2.5sqmm	
c	19CX 2.5sqmm	
d	3CX 2.5 sqmm	
e	3CX 10 sqmm	
2	Total Length of cable	
a	5CX 2.5 sqmm = 500 Meters in single drum with variation +5% maximum	
b	7CX 2.5sqmm =1500 Meters in 1 drum of length 1000 mtr and 1 drum of length 500 mtr with variation +5% maximum on each drum	
c	19CX 2.5sqmm =1000 Meters in single drum with variation +5% maximum	
d	3CX 2.5 sqmm = 500 Meters in single drum with variation +5% maximum	
e	3CX 10 sqmm = 500 Meters in single drum with variation +5% maximum	
3	COMPLIANCE WITH STANDARDS	
	The cables shall conform to but not be limited to the requirements of the latest edition of the relevant Indian Standard specifications, particularly the following standards:-	
a	IS 1554: PVC insulated heavy duty electric cables for working voltage upto and including 1100 volts	
b	IS 694: Specifications for PVC insulated cables.	
c	IS 3961: Recommended current ratings for cables.	
d	IS 3975: Mild steel wires, strips and tapes for armoring of cables.	
e	IS 5831: PVC insulation & sheath for Electric cables	
f	IS 8130: Conductors for insulated electric cables and flexible cords.	
g	IS 10418: Drums for Electrical cables	
h	IS 10810: Method of Tests for Electrical Cables	
4	Ambient Conditions	
a	Temperature : Max 50 ° C / Min 1 ° C	
b	Relative Humidity : 100%	
c	Altitude above sea level : Less than 1000 Meter.	
d	Atmospheric Dust : Urea, Coal, Ash, Vapours of Ammonia, SO2 etc	
5	Construction:	
a	Conductor: solid copper conductor conforming to IS 8130	
b	Insulation: Type A PVC compound conforming to IS 5831	
c	Inner sheath:PVC Type ST-1 , extruded conforming to IS 5831, thickness conforming to IS 1554	
d	Armour :galvanised steel round / flat wire /strip conforming to IS 5831& IS 1554	
e	Outer sheath:PVC Type ST-1 , extruded conforming to IS 5831, thickness conforming to IS 1554, black in colour	



f	Type of cable: YWY :- 1.a, 1.b,1.d, 1.e YFY :- 1.c	
g	Core identification: 4 core: red, yellow , blue & black cores and above: numbered with same insulation colour on each core	for for 6
6 SEQUENTIAL MARKING OF LENGTH ON CABLE		
a	Non erasable Sequential Marking of length shall be provided by embossing/printing on outer sheath of the cable for each meter length.	
b	Manufacturer's name, trade mark, cable size, voltage grade, type of insulation, year of manufacture etc shall be embossed/printed on outer sheath of the cable at suitable regular intervals not exceeding one metre.	
7 TYPE TESTS:		
	Bidder shall supply test reports of all type tests carried on similar cable of each size from CPRI or other Govt. of India testing laboratory along with its offer. The test reports shall not be more than 5 years old from the date of issue of NIT.	
8 ROUTINE TESTS:		
	All the Routine tests as per relevant IS amended up to date shall be carried out on ordered cable. Vendor shall submit the test reports. All test results should be within the limits as per relevant standards	
9 PACKING AND FORWARDING		
a	All Cables shall be in single length only as specified under Sr no 2.	
b	Cables shall be despatched in separate non returnable wooden drums of suitable diameter, securely battened with the take off end fully protected against mechanical damage. The wood used for construction of drum shall be properly seasoned, sound and free from defects.	
c	Each cable drum shall be clearly marked with following information:	
(i)	Reference or standard	
(ii)	Manufacturer's name	
(iii)	Type of cable & voltage grade	
(iv)	cable size	
(v)	length of cable on drum	
(vi)	direction of rotation of drum (arrow)	
(vii)	approximate gross mass	
(viii)	running end of cable	
(ix)	year of manufacture	
(x)	country of manufacture	
d	Both the ends of the cable shall be adequately sealed and protected against damages and ingress of moisture. Sufficient no of PVC rubber capsshall be provided alongwith the cables	
e	Tolerance: plus 5% maximum on each drum, no negative tolerance shall be acceptable	
10 Preservation and storage		
	Cables shall be protected to withstand road transit and extended period of storage at the jobsite for a minimum period of 12 months. Cables shall be protected to safeguard against all adverse environmental conditions such as humidity, rain, dust, dirt, mud etc	



**DATA SHEET FOR 1.1 KV 5CX 2.5 sqmm COPPER CONTROL CABLE
TECHNICAL PARTICULARS OF CABLE**

TO BE SUBMITTED BY VENDOR ALONGWITH BID FOR EACH CABLE SIZE

Sr. No.	Detail	Unit	NFL Requirement	To be filled by bidder
A	CABLE SIZE		5CX 2.5 sqmm	
B	CONSTRUCTIONAL PROPERTIES			
1	Cable type		YWY	
2	Manufacture Name			
3	Quantity		Refer Annexure I	
4	Nominal Voltage U _o /U	KV	0.65/1.1	
5	Conductor material		Copper	
6	Conductor Type		Solid	
7	Conductor Shape		Circular	
8	D.C. Resistance of conductor at 20 °C	Ω/km		
9	Insulation material		PVC type A	
10	Inner sheath material		PVC Type ST-1	
11	Inner sheath Extruded		Extruded	
12	Armouring material		galvanised steel round wire	
13	Outer sheath material		PVC Type ST-1	
14	Outer sheath Extruded		Extruded	
15	Outer sheath colour		Black	
C	ELECTRICAL CHARACTERISTICS			
1	Maximum Conductor Temperature- Normal Operation	° C		
2	Maximum Conductor Temperature- Short circuit	° C		
3	Current Rating in air at 40 °C	A		
4	Current Rating in ground at (Ground Temperature = 30°C) (Depth of Laying=1 m)	A		
D	DIMENSIONS			
1	Nominal Conductor Diameter	mm		
2	Insulation thickness	mm		

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3	Inner sheath thickness min.	mm		
4	Size of armour wire/strip	mm		
5	Outer sheath thickness min	mm		
6	Overall diameter min / max	mm		
E	MISCELLANEOUS			
1	Standard maximum delivery length	Mtrs		
2	Packing tolerance	%	plus 5%	
3	Quantity tolerance	%	plus 5%	
4	Weight of Cable	Kg / mtr		
5	Sequential Marking	As per Annexure-I, clause no. 6		
6	Embossing/printing			

Handwritten mark

Handwritten signature

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**DATA SHEET FOR 1.1 KV 3CX 10sqmm COPPER CONTROL CABLE
TECHNICAL PARTICULARS OF CABLE**

TO BE SUBMITTED BY VENDOR ALONGWITH BID FOR EACH CABLE SIZE

Sr. No.	Detail	Unit	NFL Requirement	To be filled by bidder
A	CABLE SIZE		3CX 10 sqmm	
B	CONSTRUCTIONAL PROPERTIES			
1	Cable type		YWY	
2	Manufacture Name			
3	Quantity		Refer Annexure I	
4	Nominal Voltage Uo/U	KV	0.65/1.1	
5	Conductor material		Copper	
6	Conductor Type		Solid	
7	Conductor Shape		Circular	
8	D.C. Resistance of conductor at 20 °C	Ω/km		
9	Insulation material		PVC type A	
10	Inner sheath material		PVC Type ST-1	
11	Inner sheath Extruded		Extruded	
12	Armouring material		galvanised steel round wire	
13	Outer sheath material		PVC Type ST-1	
14	Outer sheath Extruded		Extruded	
15	Outer sheath colour		Black	
C	ELECTRICAL CHARACTERISTICS			
1	Maximum Conductor Temperature- Normal Operation	° C		
2	Maximum Conductor Temperature- Short circuit	° C		
3	Current Rating in air at 40 °C	A		
4	Current Rating in ground at (Ground Temperature = 30°C) (Depth of Laying=1 m)	A		
D	DIMENSIONS			
1	Nominal Conductor Diameter	mm		
2	Insulation thickness	mm		

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3	Inner sheath thickness min.	mm		
4	Size of armour wire/strip	mm		
5	Outer sheath thickness min	mm		
6	Overall diameter min / max	mm		
E	MISCELLANEOUS			
1	Standard maximum delivery length	Mtrs		
2	Packing tolerance	%	plus 5%	
3	Quantity tolerance	%	plus 5%	
4	Weight of Cable	Kg / mtr		
5	Sequential Marking	As per Annexure-I, clause no. 6		
6	Embossing/printing			

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