

Centralized Contract Group (CCG)

Format No. – F05 (10.24.04)

Revision No. – 00

Dated: 10.12.2024

Response to Pre-Bid Queries

Tender no. TPCODL / CCG / FY 24-25 / 1000001519

Tender Description: Purchase Order for supply of 33 & 11 KV Cables at TPCODL.

The pre-bid queries as received against the referred tender enquiry and CCG/CEQG (TP-Odisha) responses on the same are placed below:

Sl. No.	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	Response of CCG / CEQG
1	11 KV CABLE - Specification No. ENG-HV-2007 (Technical specification for 11 kV XLPE Armoured Cable) Clause No: 5.1 (Point No 7.0) Max. DC resistance @ 20 deg. C (ohm/km)	Max. DC resistance @ 20 deg. C (ohm/km) of conductor as per IS:8130/2013. (Please confirm)	This shall be as per tender specifications/ IS 8130
2	11 KV CABLE - Specification No. ENG-HV-2007 (Technical specification for 11 kV XLPE Armoured Cable) Clause No: 5.7 (Point No 2.0) As per Specification It shall comply with the requirements of IS 3975 along with latest amendments. Hot dipped galvanizing layer shall be uniform on low carbon annealed steel wires. Zinc coating shall be 290 g/m2 coated as per IS 4826:1979.	As per IS 3975:1999 Zinc Coating shall be Medium coated & weight of zinc coating shall be as per IS 4826. (Please Clarify)	This shall be as per tender specifications
3	11 KV CABLE - Specification No. ENG-HV-2007 (Technical specification for 11 kV XLPE Armoured Cable) Clause No: 5.7 (Point No 4.0) Approx. Armour Short circuit rating in kA for 1 sec.	Armour short circuit not specified for cable size 11 kV 3C x 185 Sq.mm. (Please specify)	11 kV 3Cx185 sqmm cable is not present in this tender.
4	11 KV CABLE - Specification No. ENG-HV-2007 (Technical specification for 11 kV XLPE Armoured Cable) Marking (For Drum Length) & Packing	In clause no. 6 of technical specification cable length on one drum shall be 250 meter max. $\pm 5\%$, Whereas under Clause 12 (Packing) the cable shall be supplied in continous standard length of 250 mtrs (3 cores) & 500 mtrs (single core) running meter with $\pm 5\%$. Please clarify	Drum length shall be as per cl no.12 of tender specifications

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5	33 KV CABLE - Specification No. ENG-EHV-1010 (Technical specification for 33 kV XLPE Armoured Cable) Clause No: 5.7 (Point No 2.0) As per Specification It shall comply with the requirements of IS 3975 along with latest amendments. Hot dipped galvanizing layer shall be uniform on low carbon annealed steel wires. Zinc coating shall be 290 g/m2 coated as per IS 4826:1979	As per IS 3975:1999 Zinc Coating shall be Medium coated & weight of zinc coating shall be as per IS 4826. (Please Clarify)	This shall be as per tender specifications
6	33 KV CABLE - Specification No. ENG-EHV-1010 (Technical specification for 33 kV XLPE Armoured Cable) Clause No: 5.7 Point No 4.0)- Nominal Dimensions	For 1C x 400 sq.mm, As per fictitious calculation of IS:10462 (P-1) size of Aluminium wire shall be 2.50 mm where as, as per attached technical specification it is mentioned as 2.0 mm . (Please clarify)	This shall be as per tender specifications
7	33 KV CABLE - Specification No. ENG-EHV-1010 (Technical specification for 33 kV XLPE Armoured Cable) Clause No: 5.8 (Point No 3.0)- Min. Thickness at any point of measurement	For 33 kV 3C x 95 sq.mm cable, As per fictitious calculation IS:10462 (P-1) Minimum at point thicknesses of outer sheath shall be 3.0 mm for 3C x 95 Sq.mm Cable. where as, as per attached technical specification it is 2.68 mm for 3C X 95 Sq.mm Cable. (Please clarify)	This shall be as per tender specifications
8	33 KV CABLE - Specification No. ENG-EHV-1010 (Technical specification for 33 kV XLPE Armoured Cable) Marking (For Drum Length) & Packing	In clause no. 6 of attached technical specification cable length on one drum shall be 250 meter max. ±5%, Whereas under Clause 12 (Packing) the cable shall be supplied in continous standard length of 250mtrs. (3 cores) & 500 mtrs. (single core) running meter with ±5% toierance. Please clarify	Drum length shall be as per cl no.12 of tender specifications
9	ENG-EHV-1010 (33 KV) /5.7 (4) /Armour	For 1C X 400 SQ.MM. As per ficticious calculation 2.50mm alu wire will occurs instead of 2.0 mm and armour fault current also can not be meet on 2.0 mm wire as mentioned 20 kA for 1 sec in specifiation. Shall we provide 2.5 mm wire and fault current accordingly ? kindly confirm	Shall be as per TS or better.

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10	ENG-EHV-1010 (33 KV) /5.8 (3) /Outer sheath	For 3C X 95 SQ.MM. cable Outer sheath minimum thickness shall be 3.0 mm as per fictitious calculation & standard instead of 2.68 mm mentioned in attached specification. Kindly correct the same and we will provide Min. 3.0 Mm as per IS only.	Shall be as per TS or better.
11	ENG-HV-2007 & ENG-EHV-1010 / 5.7 (2)/Armour	Mass of zinc coating is mentioned 290 g/m2 which is too high for cables , can we provide medium coating for Galvanised wire as per IS:4826? For both 11 KV & 33 KV.	Shall be as per TS
12	Specification No -ENG-HV-2007 Clause 4 , S.No. 9 (d)-1C Cable & same for Specification No -ENG-EHV-1010 d) Polyester transparent tape over copper screen	Generally this tape not required in Single core cable construction. So please reconfirm this requirement.	Shall be as per TS
13	Specification No -ENG-HV-2007 Clause 4 , S.No. 11-3C Cable & same for Specification No -ENG-EHV-1010 Pressure Extruded PVC ST- 2 with PP fillers	Pressure extruded inner sheath can be used for PVC fillers only to fill the gap between fillers and inner sheath but in case of PP fillers, there is no gap between interstices of cable. Since PP fillers are not solid fillers and it is in yarn or fabric form so it covers and acquire the whole space between interstices hence we propose to delete the "pressure" word for inner sheath.	Noted and accepted.
14	Specification No -ENG-HV-2007 Clause. 5.6 (3)Raw material supplier & same for Specification No -ENG-EHV-1010 PVC compound shall be procured from reputed suppliers viz, Shakun, Kalpana, KLJ, DCM ShriRam/ Equivalent (in line with TS).	We are requesting to you , please visit and see our facility of PVC Compounding. Which is best in the country and this visit can be done virtually method also . We have best machineries for manufacturing PVC Compound " Buss Kneader " (Procure from Switzerland). So , Please visit and Approved our own Make PVC Compound . Hence we propose to delete the Raw material supplier list for inner sheath material. We will offer in house make PVC compound.	Shall be as per TS

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15	Specification No -ENG-HV-2007 Clause 5.7 , S.No. 2-3C Cable & same for Specification No -ENG-EHV-1010 It shall comply with the requirements of IS 3975 along with latest amendments. Hot dipped galvanizing layer shall be uniform on low carbon annealed steel wires. Zinc coating shall be 290g/m2 as per IS 4826:1979.	As per IS:3975, Medium zinc coating is applicable for round wire instead of 290 g/m2 , So please confirm that can we go ahead as per medium coating ?	Shall be as per TS
16	Specification No -ENG-HV-2007 Clause 5.7 , S.No. 9-3C Cable & same for Specification No -ENG-EHV-1010 Raw material supplier :- Steel armour shall be procured from reputed raw material suppliers viz., TATA Steel, Jindal Steel, SAIL/ Equivalent (in-line with TS)	We propose to add additional supplier based on Vendor's Supplier list as Galvanised Steel grade used in cables (Confirming to IS 3975) are not available from Jindal & SAIL.	Shall be as per TS
17	Specification No -ENG-HV-2007 Clause 5.7 , S.No. 3 & 4 -3C Cable 3CX150 - 2.5 mm armour wire - 15 KA fault level	To meet 15 KA fault level , 3.15 mm wire size required, while as per specification & IS:7098-2/2011 , there should be 2.5 mm wire. So please reconfirm can we use armour size as per IS:7098-2/2011 with 90% armour coverage & fault level shall be according to applicable wire size.	11 kV 3Cx150 sqmm cable is not present in this tender.
18	Specification No -ENG-HV-2007 Clause 5.7 , S.No. 3 & 4 -1C Cable 1CX300 - 2 mm armour wire - 15 KA fault level 1CX400 - 2 mm armour wire - 15 KA fault level 1CX1000 - 3.15 mm armour wire - 15 KA fault level	To meet 15 KA fault level , 2.5 mm wire size required for 1cx300,400 , while as per specification & IS:7098-2/2011 , there should be 2 mm wire. So please reconfirm can we use armour size as per IS:7098-2/2011 with 90% armour coverage & fault level shall be according to applicable wire size. And for 1CX1000, There should be 2.5 mm wire size as per IS & to meet fault level, 3.15 mm is not as per IS:7098-2/2011.	11 kV 1Cx300; 1Cx400;1Cx1000 cables are not present in this tender.
19	Specification No -ENG-HV-2007 Clause. 7.1.4 Conductor water penetration test & same for Specification No -ENG-EHV-1010 Conductor water penetration test required as per ICEA T-31-610	can we confirm Conductor water penetration test required as per IEC 60502-2 ?	Noted & accepted for Type test reports, however acceptance test shall be carried out as per ICEA T-31-610

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20	Specification No -ENG-HV-2007 Clause. 5.8 (2) Outer sheath Configuration & same for Specification No -ENG-EHV-1010 Polyvinyl chloride (PVC) ST-2 FRLSH type compound with 'lead naphthenate' additive as 'termite & rodent repellent' applied by extrusion process.	As Lead naphthenate is enviromental harzardous. Lead naphthenate additive for rodent repellent is restricted. Therefore we propose that REACH& RoHS Compliant Rodent repellent additives/masterbatch shall be used in outerseath of the Cables instead of Lead nepthenate.	Both are accepted
21	Specification No -ENG-HV-2007 Clause. 5.8 (6)Raw material supplier & same for Specification No -ENG-EHV-1010 PVC compound shall be procured from reputed raw material suppliers viz., Shakun, Kalpana, KLJ, DCM ShriRam. Equivalent (in-line with TS) PVC compound from cable manufacturer shall be considered only after factory evaluation for the same.	We are requesting to you , please visit and see our facility of PVC Compounding. Which is best in the country and this visit can be done virtually method also . We have best machineries for manufacturing PVC Compound " Buss Kneader " (Procure from Switzerland). So , Please visit and Approved our own Make PVC Compound . Hense we propose to delete the Raw material supplier list for outer sheath material. We will offer in house make PVC compound.	Shall be as per TS
22	Specification No -ENG-EHV-1010 , Scope-1Inclusive sizes given for 3c , 33kv cable from 3CX35 /50 / 70 / 95 / 185 / 240 /300 / 400 sqmm	We propose minimum size 3CX95 sqmm. in case of 33 kv 3c cable ,	Please refer the tendered sizes in Annexure-I , minimum size of 33 kV cable required is3Cx95 sqmm.
23	Specification No -ENG-EHV-1010 , Clause. 5.1 (5 & 6)Min. no. of strands mentioned 30 Nos.	Please note that as per IS:8130 , Min. no. of strands shall be 53 in 1000 sqmm cable.	Minmimum number of strands is mentioned against the sizes of the cable. This shall be as per tender specifications.
24	Specification No -ENG-EHV-1010 , Clause. 5.1 (11)As per specification Conductor (after stranding) shall be super cleaned.	Please share any specific testing parameter/measurement criteria that how can we justified conductor is super clean .	Shall be verified during acceptance test.
25	Specification No -ENG-HV-2007 Clause. 5.9 , S.No - 1 to 6 Outer Sheath (for co-extruded 3 core cable)	As per specification Outer Sheath (for co- extruded 3 core cable) required for 3CX400 Al 11KV .So please share any specific testing parameter/measurement criteria for CCD Cable .	Co-extruded cable is not required. Please refer tendered sizes in Annexure -I of Tender documents.

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26	Specification No -ENG-HV-2007 Clause 5.4 , S.No. 1 (b) & same for Specification No -ENG-EHV-1010 b) 2nd layer: Water Swellable tape: Semi-conducting water swellable tapes shall be applied over non-metallic screen. Minimum thickness of water swellable shall be 0.3 mm and minimum overlapping shall be 15%.	We propose Nominal thickness of water swellable tape shall be 0.3 mm and minimum overlapping shall be 15%.	This shall be as per tender specifications
27	Specification No -ENG-HV-2007 Clause 5.4 , S.No. 1 (c) & same for Specification No -ENG-EHV-1010 c) 3rd layer: Metallic Part: Annealed copper tape, helically wound over the water swellable tape with minimum 15% overlap. Minimum thickness shall be 0.045 mm at any point of measurement.	We propose Nominal thickness of copper tape 0.045 mm and Nominal overlapping shall be 15%.	This shall be as per tender specifications
28	Clause 3.1 (Page No. 9 of 31) Price Basis	Due to highly volatile market for input raw material, we request to consider Variable Prices as per IEEMA & specify the base date for PV to avoid confusion.	Firm purchase order shall be issued to successful bidder post tender finalisation. Prices shall remain FIRM till completion of entire supplies.
29	Clause 6.3 (Page No. 13 of 31) Period of Validity of Bid	180 days price validity is too long to maintain the price, kindly consider 30 days validity to offer competitive prices	Tender terms remain unchanged. Firm purchase order shall be issued to successful bidder post tender finalisation. Delivery shall be completed within 60 days from date of receipt of Purchase Order / CAT-A issuance, whichever is later.

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30	Clause 13.1.6 (Page No. 18 of 31) Delivery Period	60 days delivery from dt of receipt of PO/CAT-A issuance is too short to meet. Please accept delivery commencement within 120 days & completion within 180 days	This tender pertains to urgent requirements corresponding to a prestigious Govt. funded project. Hence, delivery period mentioned in tender is to be adhered strictly. As per clause 5.3, bidders shall submit Self-Declaration of available production capacity for timely delivery (within 60 days). This information will be considered during allocation. CCG reserves the right to allocate quantities in a manner that ensures the timely completion of requirements, keeping in view the production constraints of the bidders.
31	Clause No. 13.1(6) Delivery Period	Material shall be Delivered at Tata Power Stores Within 90 Days from date of issue of Purchase Order / GTP approval / Manufacturing Clearance ,whichever is received later by Tata Power.	This tender pertains to urgent requirements corresponding to a prestigious Govt. funded project. Hence, delivery period mentioned in tender is to be adhered strictly. As per clause 5.3, bidders shall submit Self-Declaration of available production capacity for timely delivery (within 60 days). This information will be considered during allocation. CCG reserves the right to allocate quantities in a manner that ensures the timely completion of requirements, keeping in view the production constraints of the bidders.

Note:

This document shall be an integral part of the tender and bidder shall submit signed/stamped copy of this document along with technical bid, as a token of acceptance. The tender document stands modified only to the extent stipulated herein above in this document. All other terms & conditions shall be strictly followed as per Bid documents.