

**Pre-Bid Meeting -HT cables(NIT NO AEML/MD/2019-20/10)**

**Technical Query**

<b>Participants:</b> 1. KEI- Mr. N L Parab 2. Ravin - Mr. Prakash Lakhkar 3. KEC - Kaushik Waghela 4. Polycab - Mr. Sachin Gupta & Mr. Mushtaq Shaikh 5. RR Kabel - Mr. Smit Shah 6. Laser cables - Mr.Aniruddha banerjee & Mr.Suresh Kedia 7. Zenium Cables - Mr.Sachin Dhorlekar 8. AEML- Ashweni Jain, Damodar Sahasrabudhe, Tanu Srivastava, Deep Muntode, Devendra Mahajan	<b>MOM:</b> 1. AEML explained the scope of supply, Technical Specification requirements to Bidders. 2. During pre-bid meeting, Bidders raised queries, response of which is attached herewith. 3. In case Bidders wish to send additional Technical queries, they can send mails to CES Dept. with a copy to CPG.
---	--

Sr. no.	Document	Clause no /Sr.No of BOQ	Description	Query	Query raised by	AEMLRemark	Inclusion in Corrigendum
<b>A Technical Queries</b>							
1	RFQ sec I	Sl. No.2	Material Code:2100214417 CBL, PWR, FRLS; 400 SQ MM; 11KV; AL	In line with the Price Schedule; we note this as: Material Code:2100214417,CBL, PWR, FRLS; 400 SQ MM; 3C; 11KV; AL	M/s CMI	Mat Code 2100214417 pertains to HT Cable 6.35/11 KV,3C,400 Sqmm	Yes
2	ITB Sec-II	2	Under Scope: Unloading and proper stacking at Purchaser's stores/site.  Vendor shall conduct 2 nos of compulsory Technical sessions at AEML in consultation with AEML CES Dept.	This may please be excluded from supplier's scope keeping the practicality in consideration.  Request please elaborate on the intended details on "Technical Sessions".	M/s CMI	Unloading and Stacking shall be in scope of AEML.  Technical Training session shall be given to user group by OEM which shall cover Cable construction,Best practices of cable laying etc. Contents shall be finalized with CES. Training session shall be conducted at AEML Training Centre in MUmbai.	Yes
3	Technical Specification SP-CES-EL-HTCBL-R05	1.0.0	National Standards: IS 0462 (Part 1)/1983	We read it as: IS 10462 (Part 1)/1983	M/s CMI	To be read as - IS 10462 part 1	Yes
4	Technical Specification SP-CES-EL-HTCBL-R05	2.0.0	Aluminium Conductor	We read it as: A Aluminium Conductor	M/s CMI	To be read as: A Aluminium Conductor	Yes
5	Technical Specification SP-CES-EL-HTCBL-R05	2.1.1 e i)	As per manufacturer's procedures, 100% water-tight conductor shall be achieved.	Request to indicate any specific test that is to be followed to know whether 100% water-tight conductor is achieved or not.	M/s CMI	Technical Specs and QAP to be followed.	Yes
6	Technical Specification SP-CES-EL-HTCBL-R05	2.1.4 b)	Text " Do not Heat – Freely Strippable " to be printed on insulation screen ( at every 600 mm interval)	Request to consider removal of this since the same has been explicitly provided as an integral part of work instructions to the jointers to strictly follow under the able supervision of the Owner at the time of carrying the jointing work. Further indicating this requirement at an interval of 600 mm is not likely provide any optimization, rather it will only increase the cost and cuts down the competitiveness meaning subscription to the restrictive bidding. Further indication is Font size is desirable if it is really required.	M/s CMI	Technical Specs to be followed.No deviation.	Yes

7	Technical Specification SP-CES-EL-HTCBL-R05	2.1.4 A-4	Any deviation from Approved Makes mentioned in Annexure-C shall not be acceptable, unless the deviation has been specifically approved by AEML, prior to sourcing the components and taking up manufacturing of cable.	While insisting for the consideration of Dow Cheminals, USA Type: HFDB 4202 ECTR / Borealis, Sweden Type: Super TR LE 4212 / Hanwa, Seoul, South Korea Type: CLNA 8142 ECTR only at the time of bidding and indicating that any deviation to this should be have an approval of the Owner, is not seen in total Synco due to commercial implications. Hence, Request to maintain only the above three makes.	M/s CMI	Technical Specs to be followed.No deviation.	Yes
8	Technical Specification SP-CES-EL-HTCBL-R05	2.1.10	Armour	The owner's entire technical specification made available for bidding do not indicate the required mode of amour i.e. either flat strip armour or round wire armour for 3 core cables on the instant tender.  Request indication of the same.  Further vide 2.1.10 d) calls for Zero -ve tolerance as against the stipulation of ±10% vide cl. No.7.3.1 of IS: 3975:1999 which is a part of your tender technical specification. While your specified requirement is appreciated but due to the fact of non-availability of these bought-out items readily for the Cable Makers, this request is made.	M/s CMI	As per AEML spec. a) For 3-core Cables : Galvanized Steel flat strip armour b) For 1-core Cables : Non-magnetic round wire armour (hard-drawn aluminium wire)	Yes
9	Technical Specification SP-CES-EL-HTCBL-R05	2.1.12	Outer Sheath	We understand that the Owner intends that the outer sheath should be of " FR-LSH PVC (ST-2 as epr IS: 5831) with termite repellent and anti-rodent properties.	M/s CMI	Technical Specs to be followed.	Yes
10	Technical Specification SP-CES-EL-HTCBL-R05	2.1.12 c)	The outer sheath shall be embossed with following minimum text:	Request relaxation to the embossing details such as Trade Mark, Batch No. Lot No. PO No & Date, Drum No. to avoid technical complications involved in the embossing process.  Progressive (sequential) length of cable printing in contrasting colour need not starting from zero for every drum.Request clarification.	M/s CMI	Technical Specs to be followed.No deviation.Drum no. printing by way of indelible ink along with sequential length marking.	Yes
11	Technical Specification SP-CES-EL-HTCBL-R05	4.0.0 a) 1, 3.	1. Cables must be of type tested quality. Type Test Reports shall be submitted for the type, size and rating of cable offered in the bid.  3. Type Test on one cable drum of each type/rating from the first lot shall be conducted at Govt. approved / Internationally accredited labs.	Request clarification whether the type report should contain the grade of raw materials which should match with the ones specified under Annexure-C or not.  If not, also please clarify that conducting the type tests post order free of cost without affecting the delivery schedule is acceptable or not.  Request clarification this is mandatory or not as it has the cost implication.	M/s CMI	1. During Tendering, OEMs can submit valid type test reports(ERDA/CPRI) of Cables which should be of similar cable construction of AEML.Type test report of highest cable size of 11/33 kV is accepted. In case, such type test reports are not available, OEM to provide acceptance to conduct Type Test on highest cable size(11 kV and 33 kV) without any cost implication.  <b>Type Tests - Technical Specifications to be followed.</b>	Yes
12	Technical Specification SP-CES-EL-HTCBL-R05	4.0.0 e)	Strippability test at both the ends of cable for each drum, to check freely-strippable property of the Insulation Screen (Outer semi-con) as a part of Acceptance Tests.	Request the same may please be deleted as the same was covered under Routine Tests due to time and drum handling difficulties involved.	M/s CMI	Technical Specs and QAP to be followed.	Yes

13	Technical Specification SP-CES-EL-HTCBL-R05	6.0.2	- 2% for the total cable length for the entire order.	Request confirm that $\pm$ 2% for the total cable length for each size on the order.	M/s CMI	Technical Specs to be followed.	Yes
14	Technical Specification SP-CES-EL-HTCBL-R05	18.0 a	Type of drum	Request confirm whether the cables are required to be supplied on steel drums or wooden drums. In case of steel drums whether the same are on returnable or non-returnable basis.	M/s CMI	Steel / wooden drums, as per relevant IS / IEC. (Wooden drums shall be with M.S. spindle plate with nut-bolts). Drums are non-returnable. Pre-approval of Drum Packing to be taken from Engineering Dept.	Yes
15	Technical Specification SP-CES-EL-HTCBL-R05	Annexure- G	Testing and manufacturing process requirements w. r. t. TR-XLPE insulation	In respect of this, please clarify that a mere CERTIFICATION by the TR-XLPE insulation compound manufacturer is OK and no specific testing / test report(s) that are carried in respect of these tests is not required, since the cable maker shall be required to procure this specialized TR-XLPE compound from one of three AEML approved manufacturers as per Annexure-C.  Further, request AEML to take up DIRECTLY with these three TR-XLPE compound manufacturers to provide their valid ONE YEAR AWTT test report and shall be thankful to AEML for forwarding the same to us.	M/s CMI	Manufacturer Report to be submitted.	Yes
16	Technical Specification SP-CES-EL-HTCBL-R05	4.0.0	Type test on one cable drum of each type/rating, from the first lot, shall be conducted at Govt.-approved / Internationally accredited labs	Shall the sample be tested from 3rd party NABL accredited Lab?	M/s KEI	Type Test to be conducted at CPRI/ERDA.	Yes
17	Technical Specification SP-CES-EL-HTCBL-R05	2.1.12	Sequential marking	-	Clarification	Progressive (sequential) length of cable at every meter, starting from zero for every drum. Drum no to be printed along with sequential marking.	Yes
18	Technical Specification SP-CES-EL-HTCBL-R05	11D	Copper Tape	-	Clarification	zero negative tolerance for thickness Width 50 mm Overlap 20%(min)	Yes
19	Technical Specification SP-CES-EL-HTCBL-R05	NIT	Qualifying criteria	-	Clarification	1. Qualifying Criterion to be strictly complied by each Bidder. 2. For New Vendors, Factory visit is mandatory. Registered Vendors who have not supplied the cables in last five years have to submit details of manufacturing facility, new machinery installed and process changes	Yes
20	Technical Specification SP-CES-EL-HTCBL-R05	-	-	-	Clarification	For manufacturers participating in 33 kV Cables, Clean Room Class 1000 certification for manufacturing facility is mandatory .(Equivalent Class 6 ISO 14644-1)	Yes
<b>B Commercial Terms</b>							
1	SCC		Payment Terms	LC payment terms		Revised Payment Terms as 100% payment with in 60 days(Credit) from the date of receipt & acceptance of material at store.(45 Days-Credit for MSME Vendors).	YES
2	Open Tender NIT		EMD value	Reduction in EMD value		Revised EMD value is Rs.15 Lakhs	Yes
3	SCC		Penalty Clause: 1% of total order value of UDP per week or part thereof to a max. of 10%.	In view of commercial implications involved and also in line with the Industry norms, request to accept 0.5% per week or part thereof to a max. of 5%.		No deviation is acceptable so retain our standard terms	Yes
4	ITB Sec-II	10 -3.2	EMD may be forfeited if Bid submitted in violation of QR	Request to consider deletion of this since the participation is not exclusively for only pre-qualified bidders.		No deviation is acceptable so retain our standard clause.	Yes
5	ITB Sec-II	10 -4.1	Bidders shall quote for the entire Scope of Supply with a break-up of prices for individual items.	May we understand that the evaluation shall be based on the overall lowest cost for the entire Scope of Supply and not on Item Wise.		Bidder has to quote for complete scope, however reverse auction will be conducted on line item basis.	YES