

## Technical Query

## Participants:

1. Mehul Mehta - Mcmachines
2. Ravi Lokhande - Raychem
3. Sanjay Dey - Raychem
4. Ashish Singh - Compaq
5. Sher Singh - Compaq
6. Harpreet Singh - Compaq
7. Viren Garge - Cellpack
8. Manoj Patil - Cellpack
9. Prashant Inamdar - 3M
10. Parth Bhatt - 3M
11. Monami Dasgupta - Sterlingwilson
12. Jitendra Sharma - Sicame
13. Rakesh Kumar

M/S Adani Electricity - Abhijit Dandekar, Ashish Nema, Damodar Sahasrabuddhe, Kamalkumar Lavety, Devendra Mahajan.

MOM: 20.05.2021

1. During pre-bid meeting, Bidders raised queries, response of which is attached herewith.
2. In case Bidders wish to send additional Technical queries, they can send mails to CES Dept. with a copy to CPG.

Sr. no.	Query Raised By	Type	Clause No.	Description	Bidder Remarks	AEML Remarks	To be included in corrigendum
1	Raychem	NIT General	Name of Work	SUPPLY & INSTALLATION OF END TERMINATION & STRAIGHT THROUGH CABLE JOINTING KITS OF VARIOUS SIZES OF CABLES UPTO 33 KV	Only Jointing & Supervision works - Covered how many Divisions	Bidder have to provide services in all 5 divisions of AEML.	
2	Raychem		Section II - General A : 2.0	<b>Scope of Work:</b> 1. Supply as per BOQ and 100% supervision of HT/LT Joints & Termination 2. Supply as per BOQ and HT/LT Jointing & Termination without excavation 3. De-compounding of cable boxes, fixing of new cable box and providing adequate Insulation on Termination as per creepage requirements.	Noted.		
3	Raychem		Clause No 2. 10 ( Pg No. 5)	<b>Qualification Criteria:</b> 10. Bidders already qualified against previous tenders for similar requirement need not submit the documents in support of qualification criteria.	Noted, documents with respect to qualification criteria is not required from RRL	During evaluation, AEML can ask for documents in support of qualification criterion from already qualified vendor if needed.	
4	Raychem	Scope of Work	Clause No. 4	Follow Work Safety & Quality Practices At Site, After Jointing Protect Cable By Tiles, Warning Tape And Sand Before Refilling .Segregation Of Solid , Metal & Hazardous Waste At Site & Loading It In Ryb Crates In Lorry As Per Ems Policy	It should be AEML scope (Should be under fault repairing Job)	Segregation of waste produced during jointing/termination on site shall be in bidder's scope.	
5	Raychem		Clause No. 5	Ensure All Safety Precautions at Site. (All Personal With PPE Etc.in Vendor scope). Bidder has to ensure that proper lighting provisions are made for Jointing during night or low visibility period.	Noted, Lighting & etc provisions should be in AEML scope	Lighting provisions shall be in AEML scope	

6	Raychem		Clause No. 9	It shall be responsibility of Bidder to ensure the safety requirements as per AEML standards (Safety Manual M-6). Bidder Team has to undergo mandatory safety and Network Training before commencement of work. Bidder has to ensure that only trained staff is deputed on AEML sites. Any person not complying to said requirement shall not be permitted to carry out any site work. Bidder has to confirm that cable under repair/execution is dead/discharged in view of safety.	PTW to be provided by AEML	For jointing services, Bidder (Jointer) has to physically visit both the substations (where cable is terminated) along with AEML Engineer for locking of switchgear switches to ensure safety. Also Bidder has to follow Token receipt & Token Return procedure as per AEML guidelines.
7	Raychem		Clause No.10	Bidder has to ensure that IR Test is done by competent staff on both ends to ensure healthiness of HT Cable before jointing. Cable shall be identified by Bidder's competent staff using cable identification set and shall be punctured before commencing the work. Cable jointing shall be done as per AEML SoP.	It should be AEML Scope	IR measurement, cable identification and cable puncturing shall be in AEML scope.
8	Raychem		Clause No. 11	After jointing, Bidder has to ensure to protect cable by tiles, warning tape and sand, before refilling as per the AEML guidelines(M-2.2.3) For LT Jointing, the work shall be continued till Jointing	It should be AEML Scope (Should be under fault repairing Job)	In AEML scope.
9	Raychem		Clause No. 12	Disconnecting & recovering the over ground bypassed cable from site and transport to AEML location (in case of LT works). Segregation of Solid, Metal & Hazardous waste at site & loading it in RYB Crates in vehicle as per EMS Policy	It should be AEML Scope (Should be under fault repairing Job)	Disconnection & reconnection of cable wherever applicable shall be in Bidder scope (In case of LT works). Segregation of waste at site shall be in Bidder scope. Loading in vehicle, transport to AEML location - In AEML scope
10	Raychem		Clause No. 13	Bidder shall follow permit to work system of AEML. Line Permits shall be taken by AEML Authorized personnel and work permit shall be transferred to Bidder's Supervisor. On completion of Job, Bidder's supervisor has to return the work permit to AEML Engineer. Any unprecedented event on account of deviation from SOP shall be sole liability of Bidder	It should be AEML Scope (Should be under fault repairing Job and PTW to be provided by AEML)	Line permit shall be taken by AEML Engineer. Refer AEML remarks for Sr.No.6
11	Raychem		Clause No. 15	Whenever jointing services are taken from bidder, it should be ensured that jointers are accompanied with their mate	Noted for 11 & 33 KV, for LT joint one jointer can do the job	Jointers shall accompanied with their mate for 11KV, 33KV and LT joints also.
12	Raychem	SLA Condition	Clause No.4	Crew shall be equipped with all necessary tools (viz. crimping tool, cable puncturing tool etc.) & instruments confirming relevant IS and duly calibrated in NABL accredited lab.	Cable puncturing tools and instruments should be AEML scope	Noted. Hydraulic crimping tool shall be in Bidder's scope.
13	Raychem		Clause No.5	Installation of RF-id Ball Markers	We will provide Laser marking Tag with R - Loc instead of RF -id ball	Bidder have to install Ball markers if required. Ball markers shall be provided by AEML.
14	Raychem		Clause No.13	Vendor will submit bills to respective unit on weekly basis which will be approved by concerned unit / division in charge.	Kindly make a provision arrange centralize billing System	Provision to sign jobcards on site will be taken care by AEML. However, bill submissions has to be made as per area of operation.
15	Raychem	STC Service	Clause No.7	Payments Terms: (b) Contract Cum Performance Bank Guarantee if Applicable	For Service Contract - Contract Cum Performance Bank Guarantee is not applicable	No deviation is acceptable retain our standard clause
16	Raychem		Clause No.9.2	<b>9.2 Contract Performance cum Performance Bank Guarantee:</b> Within fifteen (15) days from the Effective Date, the Contractor shall submit the Contract Performance cum Performance Bank Guarantee, in the form provided in 'Annexure-IX: Format of Contract Performance cum Performance Bank Guarantee', for an amount equal to [Ten] percent ([10] %) of the Total Contract value , which shall remain valid and effective till the expiry of the Defect Liability Period, with a claim period of [Three (3) month] from the expiry of the Defect Liability Period.	For Service Contract - Contract Cum Performance Bank Guarantee is not applicable	No deviation is acceptable retain our standard clause
17	Raychem		Clause No.10	<b>Defect Liability Period :</b> The Defect Liability Period shall be for a period of [One Twenty] ([120]) months from the date of Completion as per the Completion Schedule.	1. For 11 & 33 KV - The Defect Liability Period shall be for a period of [60/66] months from the date of Completion as per the Completion Schedule or supply which ever earlier	DLP shall be 120/126 months for supply as well as for supply & services

18	Raychem	BOQ	Sr. No 17 & 18	1. CUTTING AND SEALING OF 11KV 3C 300/400 SQ.MM. 2. CUTTING AND SEALING OF 33KV 3C 400 SQ.MM	Please clarify the scope under this BOQ ( Supply, installation of End Cap and specification and procedure )	Scope -Cutting of cable and sealing it with heat shrinkable end sealing cap provided by AEML	
19	Raychem	STC - Supply	Clause No.10	<b>10.1 Delay Liquidated Damages:</b> [One] percent ([1] %) of the PO Total Price (along with applicable GST) for such undelivered Goods, for each completed week of delay or part thereof, subject to a maximum of [Ten] percent ([10] %) of the PO Price.	Request to consider [point five] percent ([0.5] %) of the PO Total Price (along with applicable GST) for such undelivered Goods, for each completed week of delay or part thereof, subject to a maximum of [Ten] percent ([5] %) of the PO Price.	No deviation is acceptable retain our standard clause	
20	Raychem		Clause No.11	<b>11.1 Contract Performance cum Performance Bank Guarantee:</b> Within [fifteen (15)] days from the Effective Date, the Seller shall submit the Contract Performance cum Performance Bank Guarantee, in the form provided in 'Annexure VII: Format of Contract Performance cum Performance Bank Guarantee', for an amount equal to [Ten] percent ([10] %) of the Total Contract Price including GST, which shall remain valid and effective till the expiry of the Defect Liability Period, with a claim period of [Three (3) month] from the expiry of the Defect Liability Period.	Request to consider Contract Performance cum Performance Bank Guarantee for 60/66 Months from date of completion or supply which ever is earlier	No deviation is acceptable retain our standard clause	
21	Raychem		Clause No.12	<b>Defect Liability Period:</b> The Defect Liability Period shall be [One Twenty] ([120]) months from the date of successful Commissioning or [One Twenty Six] ([126]) months from the date of receipt of Goods at the Delivery Point, whichever is earlier.	1. For 11 & 33 KV - The Defect Liability Period shall be for a period of [60/66] months from the date of Completion as per the Completion Schedule or supply which ever earlier. It is applicable only installation and supervision by Raychem only	DLP shall be 120/126 months for supply as well as for supply & services	
22	Raychem	Additional Items		Force Majeure	Not mentioned in the NIT documents	Refer Annexure-E-GTC	
23	Raychem			Suspension of Contract	Not mentioned in the NIT documents	Refer Annexure-E-GTC	
24	Raychem				Termination of Contract	Not mentioned in the NIT documents	Refer Annexure-E-GTC
25	Sicame	Technical Specification for LT Cold Applied Jointing kit	6.6.1	SS/ Cannister applied around armour cast. Second layer of armour cast tape applied over SS/GI wire mesh /Cannister. [R2]	SS or GI Wire mesh to be used	SS wiremesh to be used	
26	Sicame		6.3.2 & BOM	90% of braid shall be insulated with heat shrinkable cross-linked black tube.	90 % or 50 % insulated aluminum braid use	Aluminium braids shall be 90% Insulated	
27	Sicame	Technical Specification on Heat Shrinkable and Cold Shrinkable Straight-Through Jointing Kit (For 11 kV & 33 kV XLPE Insulated Cables)	5.1.4	GI Support Ring shall be 'zinc-sprayed with central bulge/bump'	Our request is to use C type backup ring , request to kindly accept Zinc or GI as applying either of coating meets the necessary requirement i.e surface protection against corrosion	For GI ring , zinc spraying not required. Support ring with central bulge is only accepted.	
28	Sicame	Technical Specification for HT Transition Joints (11kV & 33kV)	17 . BOM	Self Amal.Insu. Vinyl mastic tape	Request to also accept alternative solution	Bidder has to submit supporting documents during evaluation stage.	
29	Sicame	NIT NO AEML/MDB/2021-22/26	Annexure G . 7	HT/LT Jointing Services shall be in 2 parts 2. Installation of Joints on Capex Jobs (Cable Laying)/without excavation	pls define the length of cable laying under bidder's scope in capex jobs	12-15 meters	
30	Sicame	NIT NO AEML/MDB/2021-22/26	Contract cum Performance Bank Guarantee (CPBG)	Tenderer shall agree to submit Performance Guarantee in the form of Bank Guarantee of an amount equivalent to 10% of contractual value within 15 days of release of PO and valid for a period of 126 months from the date of release of Purchase Order, plus Three months Claim Period.	Request you to accept BG initially for 5 yrs including claim period.and then further we can extend it for another 5 yrs	OK But extension need to be provide before expiry of the existing validity.	
31	Sicame	Annexure D - STC – High Value Domestic On-site Works	9 .9.2 Contract Performance cum Performance Bank Guarantee	Within fifteen (15) days from the Effective Date, the Contractor shall submit the Contract Performance cum Performance Bank Guarantee, in the form provided in 'Annexure-IX: Format of Contract Performance cum Performance Bank Guarantee', for an amount equal to [Ten] percent ([10] %) of the Total Contract value , which shall remain valid and effective till the expiry of the Defect Liability Period, with a claim period of [Three (3) month] from the expiry of the Defect Liability Period.	Request you to please amend the referred clause as there is uncertainty pertaining to the scope of services	DLP shall be 120/126 months for supply as well as for supply & services, so retain our standard clause.	

32		Technical Specification for LT Cold Applied Jointing kit	Warranty Period	60 Months from the date of commissioning and 66 months from the date of receipt at purchaser's stores whichever is earlier. Any failure/ defect in performance during the warranty period shall be rectified by the supplier at no cost to AEML.	Please Clarify	Warrenty period shall be 120/126 months for supply as well as for supply & services	
33	Mcmachines	Technical Specification for LT Cold Applied Jointing kit	BOM	Insulation on connector - EPDM rubber sleeve / Self amalgamating tape	Can Silicone Rubber tube shall be used?	Based on submission of valid Type Test reports and on field performance decision shall be taken during evaluation.	
34	Mcmachines	Others			AEML to guarantee quantum of work per day	AEML can not guarantee quantum of work per day.	
35	Sterling Wilson	Others			Can EPC contractor take part in bidding with Joint Venture with Joint/Termination OEM.	Joint/Termination OEM shall be the primary bidder. Order will be placed on Joint/Termination OEM Only.	
36	Secame	Bid Submission date		Request for Extension of Bid submission date		Revised Bid submission date 05/06/2021	