

 Ranipet		PROJECT: MAITREE STPP (2 X 660MW), RAMPAL,Dist: Bagerhat Bangladesh - FGD PACKAGE (EXPORT ORDER) CONTRACTOR: BHEL CONTRACT NO.: NOA no: BIFPCL/EPC – Main Plant on Turn Key Basis NOA/2016/215 dt 31 01 2016 PACKAGE Name: FGD PACKAGE BOUGHT OUT ITEMS: ELECTRICAL and C&I – BHEL, RANIPET)			EXPORT ORDER Annexure – II CONTRACT QUALITY REQUIREMENTS (CQR) for BIFPCL MAITREE (2X660MW) FGD PACKAGE (BHEL CUST No: R4M8 & R4M9)		DOC. NO: CQR: ELE: R4M8 & R4M9 REV. NO. : 00 DATE : 17 05 2018 Page 15 of 17
SL. NO.	ITEM	NTPC APPROVED VENDORS	PLACE	QP CATEGORY	NTPC Type Test Requirements & Quality Plan/Check Lists Requirement	Remarks	

Important Notes:

- This CQR has been prepared based on following documents: -
 - Based on LOI given by M/S BIFPCL (Bangladesh India Friendship Power Corporation Pvt Ltd) vide LOI Letter Ref No: BIFPCL/EPC-MAIN PLANT/NOA/2016/215 Dated:31 01 2016 for 2x660MW Maitree Super thermal power projects on Turnkey Basis at Rampal District Bagerhat Bangladesh.
 - MOM # 023 dated 20 09 2017
 - MOM dated 12 12 2015 to 15 12 2015 held at BIFPCL Dhaka between BIFPCL and BHEL
- Procedure of Clearance of Export Items as indicated in Document Ref no: AA/CO/SV/08 R 03 dt 01 08 2017 (Copy attached) issued by CQ & BE., Noida is to be ensured in totality and hence No items/components shall be cleared for inspection and dispatch clearances unless otherwise Inspection / Dispatch Clearances are obtained from BHEL/Corporate Quality Inspection Officials including customer/consultant clearances is obtained specifically in writing to realize the payment in totality.
- Sub QR (Qualification Requirement) for certain items like LT Switch Gear Panels, Numerical Relays and Cables shall be strictly adhered to by the respective vendors and no deviation on this specific Sub QR Requirements is acceptable and those vendors offers which are not meeting this Sub QR requirements shall be liable for rejection w.r.t Quality Requirements. Further being an export orders, suppliers have to meet Inter National Standards like IEC, EN, DIN etc as indicated in respective Engg Spec, Drg, BOM, Data sheet and approved MQP etc and relevant Type Test Reports shall also reflect these international standards only failing which all type tests are to be repeated within shortest possible time without any cost implication to BHEL/Customer.
- Respective Engineering Departments shall take care of Customer- BIFPCL and Consultant Fichtner/Germany requirement with respect to panel mounted items as per LOA/Contract/ Consultant Specification if any for LT Panels and other Electrical, C & I items including paint shade and coating thickness requirements including Hot Dip Galvanizing requirements.
- Being an export order, MQP shall be submitted by the vendor in Customer -BIFPCL typical format only (Copy attached) in line with specifications meeting various international standards / codes along with relevant test certificates for BHEL/BIFPCL and Consultant M/s Fichtner/Germany for their review and approval.
- Sub vendor who have already got MQP/ RQP/VQP approved by BHEL/NTPC for any of the NTPC projects can use those Quality Plans for preparation/ guidance to submit the MQP in Customer - BIFPCL typical format only (Typical Format is attached) along with Document transmittal (Typical format is attached).
- The vendors shall be advised to submit their concurrence for finalization MQP with customer BIFPCL & Consultant Fichtner on need basis along with 3 sets of Quality Plans with its attachments (Both PDF and editable version) in the offer itself along with their earlier NTPC approved RQP/MQP/VQP if any.

Prepared by: 
(Ch. Anil Singh)
Dy. Engineer/QA

Reviewed by: 
(J. Sheela S)
Dy. Manager/QA

Approved by: 
K.C. Gandhi Parimalam
DGM/QA

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8. If those vendors who have not finalized the RQP with BHEL/NTPC for the identified item, then they may please be advised to discuss and finalize the MQP in customer - BIFPCL typical format with BHEL/QA officials on priority without waiting for order finalization to save time.
9. **DR (Details Required) for NTPC consideration for their approval.**

FOR XLPE POWER CABLES:

- M/s KEC International Ltd, Mumbai/Chennai, M/s Crystal Cable Industries Ltd, Kolkata, M/s Income Cables (P) Ltd, India, M/s Apar Industries Limited, Vadodara, M/s Associated Cables Pvt. Ltd (MUMBAI), M/s Associated Cables Technologies Pvt. Ltd, Bangalore, M/s Gloster Cables Limited, Secunderabad, M/s Step Industries Pvt. Ltd, Delhi, M/s IMT Cables Pvt Ltd (DELHI), M/s Epsilon Cables Pvt Ltd, Nagpur, M/s Krishna Electrical Industries Ltd, Gwalior, M/s Goyolene Fiber Pvt, Mumbai, M/s Mansfield Cables Company Ltd, G. Noida, M/s Diamond Power Infrastructure Ltd, Vadodara, M/s Gupta Power Infrastructure Limited, India, M/s Special Cables Pvt. Ltd, New Delhi, M/s Govind Cable Industries, Kolkata, M/s Tirupati Plastomatics Pvt. Ltd (JIAPUR), M/s Scot Innovation Wires and Cables Pvt Ltd, India, M/s Tc Communication Pvt Ltd, Ghaziabad, M/s Siechem, Pondicherry.

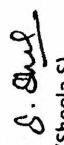
FOR PVC CONTROL CABLES:

- M/s Diamond Power Infrastructure Ltd, India, M/s KEC International Ltd, Mumbai/Chennai, M/s Seichem Pondicherry, M/s Incom Cables P Ltd, Bulandshahr, M/s Crystal Cable Industries Ltd, Howrah, M/s Sriram Cables P Ltd, Bhiwadi, M/s Goyolene Fiber P Ltd, Mumbai, M/s Krishna Electrical Industries, Gwalior, M/s Special Cables P Ltd, New Delhi, M/s Advance Cable Technologies P Ltd, Bangalore, M/s Step Industries Private Ltd, Delhi, M/s LMT Cables P Ltd, Delhi, M/s Epsilon Cables Pvt Ltd, Nagpur, M/s TCC Communication P Ltd, Ghaziabad, M/s CMI Ltd, Faridabad, M/s Mansfield Cables Company Ltd, G. Noida, M/s Sam Cables and Conductors P Ltd, Rudrapur, M/s Apar Industries Ltd, Bangalore, M/s Govind Cable Industries, Kolkata, M/s Scot Innovation Wires and Cables Pvt Ltd, India, M/s Tirupati Plastomatics Pvt Ltd, Jaipur.

As per MOM#23 dt 20 09 2017, MM shall ensure to submit list of "DR" vendors being proposed for customer - BIFPCL & Consultant Fitchner-Germany approval at earliest failing which no "DR" proposal will be entrained by them and hence MM is requested to submit list of DR proposal planned for this export order meeting project schedule. Hence MM have to get the following details from those "DR Category Venders" being proposed for each item in triplicate in Customer - BIFPCL and Consultant - Fitchner/ Germany formats (formats are enclosed) for onward transmission to Customer - BIFPCL and Consultant - Fitchner/ Germany for their review & considerations for approval.

- Manufacturing Facilities and Testing Facilities, Organizational Set up including catalogue, /Drng giving constructional details of the item under consideration
- System & procedure of proposed vendor followed for inspection & testing of various items covered in this scope
- Vendor's Own experience including Field Performance Report from the end users for similar size/rating/ application and material. Experience detail shall include date of supply and commissioning.
-

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(Sheela.S)
Dy. Manager/QA

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DGM /QA

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DOCUMENT Package: Being an export contract, Document Package shall be obtained from each and every vendor in triplicate covering the following in triplicate in hard copies and also in soft copy for onward transmission to customer/consultant in a later date on need basis.

Being an Export Contract, no deviation is acceptable w.r.t customer/consultant requirements unless otherwise clearance from them is obtained specifically in writing.

10. Legends:

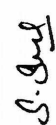
- MQP(VQP)= Manufacturing Quality Plan (Vendor Quality Plan)
- RQP= Reference Quality Plan
- PS=Purchase Specification; Drg= BHEL/BHEL approved drgs

11. QP Categorization:

- CAT-I = For those items the Quality Plans are approved by BIFPCL and final acceptance will be physical inspection witness by BIFPCL
CAT-II = For those items the Quality Plans are approved by BIFPCL. However, no physical inspection shall be done by BIFPCL. The final acceptance by BIFPCL shall be on the basis of review of documents.
CAT-III= For those items Main supplier approves Quality Plans. The final acceptance by BIFPCL shall be on the basis of Certificate of Conformance by main supplier.
12. No deviation on BHEL / Customer- BIFPCL and Consultant- Fitchner, Germany inspection and Testing Requirement and hence all executing agencies are required to meet all the contractual conditions in totality.
13. In case of any further clarifications are required by user departments can approach the following QA-Electrical officials followed by furnishing all the documents/evidence through cycle timer for immediate resolution.

Sl no:	Name of the QA officials	Mobile no	Land Line No	Email id	Remarks
1	CH.ANILSINGH/Dy.Engg/QA	--	04172284604	anilsingh@bhelrpt.co.in	
2	S.SHEELA/DY.Mgr/QA	9994869806	04172284838	ssheela@bhelrpt.co.in	
3	K.C.GANDHI PARIMALAM DGM/QA	9943960880	04172284943	gandhi@bhelrpt.co.in	

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