

Ref: WRTCC/CS/ PO 2023/1st OBD Extension/2268

Date: 28.04.2023

To,

All Bidders

Subject: Supply of Arial, Armoured & Unarmoured Optical Fibre Cable under WRTCC for Western Region
...Reg. Clarification-I to the Bidding Documents & 1st OBD Extension

Dear Sir/Madam,

- 1.0 This has reference to the bidding documents for the subject package, GeM Bid No. GEM/2023/B/2992369 uploaded on the portal <https://gem.gov.in>.
- 2.0 **Clarification-I** to the bidding documents enclosed herewith are uploaded on the above website, alongwith revised last date for Bid Submissions as detailed below:

S. No.	Description	Initial Date	Revised Date
1	The last date of Soft Copy part of Bids submission	Till 1500hrs on 15.04.2023	Till 1500hrs on 13.05.2023
2	The last date of Hard Copy part of Bids submission	Till 1500hrs on 15.04.2023	Till 1500hrs on 15.05.2023
3	Bid Opening Date of 1 st Envelop	At 1530hrs on 15.04.2023	At 1530hrs on 15.05.2023

All other terms and conditions shall remain unchanged.

Thanking you,

Encl: As Above

For and On behalf of
Power Grid Corporation of India Limited

 28/04/2023

Clarification-I for GeM Bid No. GEM/2023/B/2992369

Sl.No.	Clause/Detail	Query/Clarification Sought	Reply
1		Doc - Bid Document Clause No- EMD Details Clause in the Bid - EMD Amount - INR 5,77,000/- (a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy Clarification Sought - We understand that no EMD shall be submitted if the Sellers/ Service Provider having annual turnover of INR 500 Crore or more, at least in one of the past three completed financial year(s) as per GEM General Terms & Conditions. As we fall under the above category we understand that we are exempted from EMD submission for this tender. Kindly confirm.	The Subject Tender is GeM Portal Custom Bidding, i.e. POWERGRID has upload own Bid Document having Invitation for Bids, Instruction to Bidders, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Technical Specification, Qualifying Requirements, Bid Form & Sample Forms & Procedures at GeM, hence POWERGRID BID Condition prevail or supersedes GeM GTC, except EMD GeM Condition. In view of above the GeM GTC EMD clause prevails.
2		Document - 1675921252; VOLUME – II TECHNICAL SPECIFICATIONS Section No. - 8.0 Type Testing Page 2 of 5 Clause in the Bid - Type Testing The bidder shall have a valid Type Approval Certificate (TAC) from TEC/Technical Specification Evaluation Certificate (TSEC) given by BSNL QA for the proposed Optical Fibre Cable at the time of bid submission and a copy of the valid TAC/TSEC certificate shall be submitted along with the bid. In case TSEC/TAC has expired..... Clarification Sought:- We understand that only following two TSEC/TAC is required for participation & supply. 1. 24F Metal Free Optical Fiber Cable with Double Sheath as per BSNL tender no CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 or MM/CNP/OFC-24F-48F/T-684/2020 issued on 27.05.2020 or recent tender. 2. RDSO 24F Armored Optical Fiber Cable Please confirm.	The Tender Provision is ample clear
3		Document - 1675921252; VOLUME – II - TECHNICAL SPECIFICATIONS Section No. - 8.0 Type Testing, Page 2 of 5 Clause in the Bid - The material shall be warranted for twelve (12) months from the date of issuance of the taking over a certificate of the cable drums at the POWERGRID store. If during the warranty period any defect shall be found in the design, engineering, materials and workmanship of the cable, the contractor shall promptly, in consultation and agreement with the respective RTCC of POWERGRID, replace the faulty drums at its own cost. Clarification Sought:- We understand that the warranty for 12 months shall start from date of material received at Powergrid store against the PO. Kindly Confirm.	Warranty shall be applicable from TOC as mentioned in specification



4		Document - 1675921252; VOLUME – II TECHNICAL SPECIFICATIONS Section No. - Technical Specification for OFC with Double HDPE Sheath Clause in the Bid - Technical Specification for OFC with Double HDPE Sheath This technical specification describes major functional specifications, technical parameters and testing requirements for Metal Free Optical Fibre Cable with Double HDPE Sheath Wet Core (Type-I)..... Clarification Sought:- 1. We understand that technical specification for OFC with Double HDPE Sheath shall be as per CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 or MM/CNP/OFC-24F-48F/T-684/2020 issued on 27.05.2020 or recent tender. 2. As per reference tender mentioned in the technical specification of metal free OFC with double HDPE sheath (G652D), cable diameter was 13.2+/-1.0. SO requesting to consider the cable diameter was 13.2+/-1.0. Please confirm.	As per the Technical Specification of OFC with Double HDPE Sheath ANNEX-I/1 table
5		Document - 1675921252; VOLUME – II TECHNICAL SPECIFICATIONS Section No. - Technical Specification for Armoured OFC Clause in the Bid - This technical specification describes major functional specifications, technical parameters and testing requirements for Armoured Optical Fibre Cable. The offered Armoured cable shall comply to Indian Railways-Research Designs and Standards Organization (RDSO) specification-IRS: TC 55-2006 Rev. 1 with Amendment-1 & 2 and subsequent amendment (if any). The cable may be offered from a manufacturer, who has valid Type Approval Certificate (TAC) from RDSO. Clarification Sought:- We understand that amoured OFC shall be as per IRS: TC 55-2006 Rev. 1 with Amendment-1 & 2 and subsequent amendment (if any). In case of any conflict between tender specified value and RDSO spec (IRS: TC 55-2006), RDSO spec will supersedes. Kindly Confirm.	The Tender Provision is ample clear
6	EMD Amount - INR 5,77,000/- (a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy	We understand that no EMD shall be submitted if the Sellers/ Service Provider having annual turnover of INR 500 Crore or more, at least in one of the past three completed financial year(s) as per GEM General Terms & Conditions. As we fall under the above category we understand that we are exempted from EMD submission for this tender. Kindly confirm.	The Subject Tender is GeM Portal Custom Bidding, i.e. POWERGRID has upload own Bid Document having Invitation for Bids, Instruction to Bidders, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Technical Specification, Qualifying Requirements, Bid Form & Sample Forms & Procedures at GeM, hence POWERGRID BID Condition prevail or supersedes GeM GTC, except EMD GeM Condition. In view of above the GeM GTC EMD clause prevails.



7	<p>The aerial Fibre cable shall be as per standard No. TEC 85200:2022 and the latest amendment if any.</p> <p>The cable shall be rodent and termite-proof. The aerial fibre optic cable shall be suitable for hanging on poles or similar structures. The cable should be of low weight, small volume and high flexibility. The mechanical design and construction of each unit shall be inherently robust and rigid under all conditions of operation, adjustment, replacement, storage and transport.</p>	<p>1. We understand that Aerial Optical Fiber Cable 12 Fiber (337 kilometer) shall be as per TEC 85200:2022 and the its latest amendment if any. Kindly Confirm.</p> <p>2. As per TEC 85200:2022, OFC may contains G.657.A1/G.657.A2 fibre. Since to our understanding these OFC is meant for last mile drop application, we understand that OFC shall be with G.657.A2 fibre. Kindly Confirm.</p> <p>3. We understand that wherever there will be any conflict between tender specified value and TEC GR, TEC GR paramters will supercedes. Kindly Confirm.</p> <p>4. As Aerial Optical Fiber Cable 12 Fiber (337 kilometer) is meant to be deployed aerially, we understand that application of "rodent and termite proof" shall be limited to Underground cable design not for Aerial Optical Fiber Cable 12 Fiber (337 kilometer). Kindly Confirm.</p>	<p>1. Yes</p> <p>2. OFC shall be G.652D as mentioned in Tender Specification</p> <p>3. Tender Specification will prevail.</p> <p>4. As per TEC 85200:2022</p>
8	<p>Type Testing</p> <p>The bidder shall have a valid Type Approval Certificate (TAC) from TEC/Technical Specification Evaluation Certificate (TSEC) given by BSNL QA for the proposed Optical Fibre Cable at the time of bid submission and a copy of the valid TAC/TSEC certificate shall be submitted along with the bid. In case TSEC/TAC has expired, the bidder must have applied for TSEC/TAC against the required cable (BSNL Tender as specified in this document) to BSNL QA before the bid submission and proof for submission shall be submitted along with the bid. However, the bidder shall ensure that, in all cases, the TSEC/TAC certificate would be valid at the time of the award. In case the same is not available or not valid, a "Customer Certificate", indicating satisfactory operation of the offered cable design for the last 2 years, as from the original date of bid opening, shall be submitted.</p>	<p>We understand that only following two TSEC/TAC is required for participation & supply.</p> <p>1. 24F Metal Free Optical Fiber Cable with Double Sheath as per BSNL tender no CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 or MM/CNP/OFC-24F-48F/T-684/2020 issued on 27.05.2020 or recent tender.</p> <p>2. RDSO 24F Armored Optical Fiber Cable</p> <p>Please confirm.</p>	<p>The Tender Provision is ample clear</p>
9	<p>The material shall be warranted for twelve (12) months from the date of issuance of the taking over a certificate of the cable drums at the POWERGRID store. If during the warranty period any defect shall be found in the design, engineering, materials and workmanship of the cable, the contractor shall promptly, in consultation and agreement with the respective RTCC of POWERGRID, replace the faulty drums at its own cost.</p>	<p>We understand that the warranty for 12 months shall start from date of material received at Powergrid store against the PO. Kindly Confirm.</p>	<p>Warranty shall be applicable from TOC as mentioned in specification</p>



10	<p>Technical Specification for OFC with Double HDPE Sheath This technical specification describes major functional specifications, technical parameters and testing requirements for Metal Free Optical Fibre Cable with Double HDPE Sheath Wet Core (Type-I). The cable shall meet the requirement specified in the BSNL (Bharat Sanchar Nigam Ltd) Technical Spec. of Tender No. CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 and recent tenders (if any) and TEC GR & IEC standards mentioned in the Tender shall also be applicable. This non -Nylon, Metal free optical Fibre is for underground installation in ducts. The cable shall have double HDPE jacketing. The optical Fibre cable shall be suitably protected for the ingress of moisture by flooding jelly/WS yarn and WS tape. The rawmaterials used in the cable shall meet the requirements as specified in the Tec GR for raw materials (GR No. TEC/GR/TX/ORM-01/04SEP-09 with Errata No 1 Dated 25.03.2014, and subsequent amendments (if any).</p>	<p>1. We understand that technical specification for OFC with Double HDPE Sheath shall be as per CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 or MM/CNP/OFC-24F-48F/T-684/2020 issued on 27.05.2020 or recent tender.</p> <p>2. As per reference tender mentioned in the technical specification of metal free OFC with double HDPE sheath (G652D), cable diameter was 13.2+/-1.0. SO requesting to consider the cable diameter was 13.2+/-1.0. Please confirm.</p>	As per the Technical Specification of OFC with Double HDPE Sheath ANNEX-I/1 table
11	<p>This technical specification describes major functional specifications, technical parameters and testing requirements for Armoured Optical Fibre Cable. The offered Armoured cable shall comply to Indian Railways-Research Designs and Standards Organization (RDSO) specification-IRS: TC 55-2006 Rev. 1 with Amendment-1 & 2 and subsequent amendment (if any). The cable may be offered from a manufacturer, who has valid Type Approval Certificate (TAC) from RDSO.</p>	We understand that amoured OFC shall be as per IRS: TC 55-2006 Rev. 1 with Amendment-1 & 2 and subsequent amendment (if any). In case of any conflict between tender specified value and RDSO spec (IRS: TC 55-2006), RDSO spec will superedes. Kindly Confirm.	The Tender Provision is ample clear
12	<p>Splitting Bid splitting not applied.</p>	<p>1) We understand, splitting is allowed only when L1 bidder is non MSME and any MSME has quoted price within range of L1+15%. Please confirm.</p> <p>2) As the requirement is for six different type of OFC against the tender, please confirm whether bidder is allowed to quote any 1, 2, 4 out of requisite six type of OFC or it is mandatory to quote for all.</p> <p>3) Please also confirm whether the Price Bid evaluation will be done item wise or package wise.</p>	The Subject Tender is GeM Portal Custom Bidding, i.e. POWERGRID has upload own Bid Document having Invitation for Bids, Instruction to Bidders, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Technical Specification, Qualifying Requirements, Bid Form & Sample Forms & Procedures at GeM, hence POWERGRID BID Condition pervail or supersedes GeM GTC, except EMD GeM Condition.
13	<p>Clause-3: Price Schedule Please see Volume - III</p>	<p>We have not found any format for price schedule. As the Bid need to be uploaded on GeM portal, we understand Price to be quoted as per Price Bid Format available on GeM portal and hence no other specific format (excel) is required.</p> <p>Please confirm.</p>	No price schedule required for the subject tender



14	Clause-1: Bid reserved for Make In India products: Procurement under this bid is reserved for purchase from Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time.In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in-India) order 2017 dated 04.06.2020 .	As after opening of Price Bid, Reverse Auction would be conducted amongst first 50% of the technically qualified bidders (arranged in the order of prices from lowest to highest), we understand any such certificate (from statutory auditor/cost auditor) would be required only after Reverse Auction. Hence, submission of any such certificate is not mandatory at this stage i.e with the Bid. Please confirm.	The Subject Tender is GeM Portal Custom Bidding, i.e. POWERGRID has upload own Bid Document having Invitation for Bids, Instruction to Bidders, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Technical Specification, Qualifying Requirements, Bid Form & Sample Forms & Procedures at GeM, hence POWERGRID BID Condition prevail or supersedes GeM GTC, except EMD GeM Condition.
15	Clause-2.1: The 'Class-I local supplier' shall give a self-certification in his bid in the given format, indicating the percentage of Local Content and certifying that the item offered meets the Local Content requirement for 'Class -I local supplier' and shall give details of the location(s) at which value addition is made. Further, in case of packages above Rs. 10 Cr, the 'Class-I local supplier' shall provide a certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of Local Content.	As per First Envelope & Bid Form (Attachment 22) Certificate from statutory auditor or cost auditor of the company is not Applicable. Please confirm	The Subject Tender is GeM Portal Custom Bidding, i.e. POWERGRID has upload own Bid Document having Invitation for Bids, Instruction to Bidders, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Technical Specification, Qualifying Requirements, Bid Form & Sample Forms & Procedures at GeM, hence POWERGRID BID Condition prevail or supersedes GeM GTC, except EMD GeM Condition.
16	Clause:9.3(c) The complete annual reports together with Audited statement of accounts of the company for last five years of its own (separate) immediately preceding the date of submission of bid. The Bidder shall also furnish documentary evidence/ declaration regarding Financial re-structuring of the company, if any.	These two clauses are contradictory. One is asking for complete annual reports whereas another asked to upload only Balance sheets. Further, as due to its heavy file size, uploading of complete annual reports may have space issue on GeM portal, we understand submission of only financial balance sheet (for last five years) will serve the purpose. Please confirm.	The Subject Tender is GeM Portal Custom Bidding, i.e. POWERGRID has upload own Bid Document having Invitation for Bids, Instruction to Bidders, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Technical Specification, Qualifying Requirements, Bid Form & Sample Forms & Procedures at GeM, hence POWERGRID BID Condition prevail or supersedes
17	Clause 15.3 (9): Financial Balance Sheets (for last five years)		
18	Clause-8: Terms of Payment The Contract Price shall be paid as specified in the corresponding Appendix - 1 (Terms and Procedures of Payment) to the Contract Agreement.	We have not found any Appendix-1 along with the Tender Document. Request you to please provide the same.	The Subject Tender is GeM Portal Custom Bidding, i.e. POWERGRID has upload own Bid Document having Invitation for Bids, Instruction to Bidders, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Technical Specification, Qualifying Requirements, Bid Form & Sample Forms & Procedures at GeM, hence POWERGRID BID Condition prevail or supersedes GeM GTC, except EMD GeM Condition.
19	For TS 12F OFC-Arial: Clause-1: The aerial Fibre cable shall be as per standard No. TEC 85200:2022 and the latest amendment if any.	As per TEC No. the cable required is Aerial Drop OFC (For Last Mile Application). Please confirm.	Tender Specification will prevail.



20	For TS 12F/24F/48F UG OFC: This technical specification describes major functional specifications, technical parameters and testing requirements for Metal Free Optical Fibre Cable with Double HDPE Sheath Wet Core (Type-I). The cable shall meet the requirement specified in the BSNL (Bharat Sanchar Nigam Ltd.) Technical Spec. of Tender No. CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 & recent tenders (if any) and TEC GR & IEC standards mentioned in the Tender shall also be applicable.	1) We understand TSEC taken against BSNL Technical Spec. of Tender No. MM/CNP/OFC-24F-48F/T-684/2020 dated 27.05.2020 & recent tenders (if any) will also be applicable and considered valid for this tender of PGCIL. Please confirm. 2) We understand Bidder is asked to have TSEC only for 24F UG OFC and not for other count of UG OFC required against this tender. Please confirm.	1. The Tender Provision is ample clear 2. The Tender Provision is ample clear
21	For TS 12F/24F/48F UG OFC: Clause-3: Type Approval Certificate: The bidder shall have valid Type Approval Certificate (TAC) from TEC/Technical Specification Evaluation Certificate (TSEC) given by BSNL QA for 24F Metal Free Optical Fibre Cable with Double HDPE Sheath OFCs at the time of bid submission and a copy of valid TAC/TSEC certificate shall be submitted along with the bid. In case TSEC/TAC has been expired, bidder must have applied for TSEC/TAC against the required cable (BSNL Tender as specified in this document) to BSNL QA before the bid submission and proof for submission shall be submitted along with the bid. However, the bidder shall ensure that, in all cases the TSEC/TAC certificate would be valid at the time of award. In case, Type approval Certificate validity expires after placement of Letter of award (LoA), the Contractor shall take advance action so that the supply is not delayed due to non availability of Type approval Certificate. The construction/ design of the offered 12F & 48F Metal Free Optical Fibre Cable with Double HDPE Sheath shall be in line with 24F OFC.		
22	For TS 12F/24F/48F UG OFC: Clause-1.2: The attenuation coefficient of the fibre to be supplied in the cable shall be: $\leq 0.35 \text{ dB/km@1310nm}$ & $\leq 0.21 \text{ dB/km@1550}$	As per TEC GR of Raw Material the attenuation coefficient after cabling is @ $1550 : < 0.22 \text{ dB/km}$ & @ $1310 \text{ nm} : < 0.36 \text{ dB/km}$. We understand, bidder is allowed to offer the cable with these above mentioned specs. Please confirm.	As per Specification
23	For TS 12F/24F/48F UG OFC: Annex-I/1: OFC Construction parameters and Fiber testing	There are few mismatch in the given Annexure I/1, and similar annexure given in the referred BSNL's specifications. We understand Bidders are allowed to follow 'Annexure I' as per BSNL's specifications. The same is attached for your ready reference. Please refer 'Annexure1_BSNL Spec' Hence, Cable Diameter for 24F & 48F can be considered as $13.2 \pm 1.0 \text{ mm}$. Please confirm.	Tender Specification will prevail.

Signature

24	TS for Armoured OFC: Clause 1.2: The attenuation coefficient of the fibre to be supplied in the cable shall be: ≤0.35dB/km@1310nm & ≤0.21 dB/km@1550	As per RDSO Specification after cabling Attenuation Coefficient @ 1550 : < 0.22 dB/ km & @ 1310 nm : < 0.36 dB/ km. Can we offer it as per RDSO Spec? Please confirm.	Tender Specification will prevail.
25		<p>Type of Cable</p> <p>1 12F Aerial OFC</p> <p>2 12F Metal Free Optical Fibre Cable with Double HDPE Sheath Wet Core (Type-I)</p> <p>3 24F Metal Free Optical Fibre Cable with Double HDPE Sheath Wet Core (Type-I)</p> <p>4 48F Metal Free Optical Fibre Cable with Double HDPE Sheath Wet Core (Type-I)</p> <p>5 24F Armoured OFC</p> <p>6 48F Armoured OFC</p> <p>There are 6 variants in this tender out of which we can manufacture and supply only 5 variants i.e., items at sr. no 2 to 5 above.</p> <p>Please clarify the followings;</p> <p>1-whether we can quote for only 5 items.</p> <p>2- If yes, will the EMD amount be same.</p> <p>3-If No, whether we can participate in the tender using the MAF of other OEM (outsourcing the item at sr. 1 from other OEM and parties supply)</p>	Provisions of the bidding documents are amply clear.

गुंजम,