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//Minutes of Meeting//

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A Pre-bid Conference held on dtd. 24.11.2020 in the office of CE(Planning & Projects), CSPTCL, Raipur for Tender No.TR-20/08 for 'Replacement of existing G.I. Earth-wire (7/3.66mm) of various EHV transmission lines (4700 km) of CSPTCL by OPGW (24&48 Fiber) on turnkey basis. The following officers of CSPTCL were present :-

- (1) Er.R.K. Shukla, CE(P&P), CSPTCL, Raipur
- (2) Er.Sandeep Gupta, Addl.CE O/O CE(P&P), CSPTCL, Raipur
- (3) Er. I.S. Kanwar, SE, O/O CE(P&P), CSPTCL, Raipur
- (4) Er. S. N. Vyas, SE(EHT:C&M) Circle, CSPTCL, Raipur
- (5) Er. M.S. Singh, EE (C & TM) Dn. CSPTCL, Bhilai
- (6) Er.Ashish Roy, EE (C & TM) Dn. CSPTCL, Raipur
- (7) Er. S. Surya Prakash, AE O/O ED(SLDC), CSPTCL, Raipur

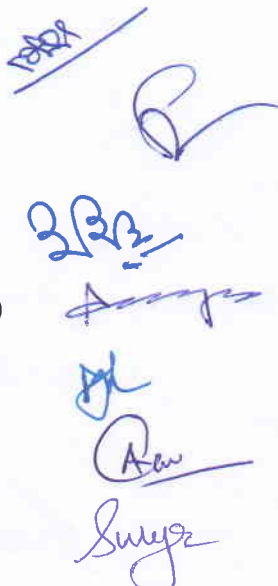
On behalf of prospective bidder M/s Apar Industries Ltd. Vaadoara their representative Mr. Chandan Gupta, Asstt. Manager (BD & Sales) attended the meeting.

M/s Sterlite Power Transmission Ltd. New Delhi have expressed their inability to attend the Pre-bid conference due to travel restriction (Covid-19), although they have submitted their queries to this office through email dtd.23.11.2020.

During meeting the queries raised from the prospective bidders have been discussed and the recommendations/changes suggested by them were discussed and it has been conveyed that the necessary corrigendum & replies to raised queries shall be uploaded on CSPTCL's website shortly. The details of queries raised & discussion held are given in enclosure.

For CSPTCL :

- (Er.R.K. Shukla, CE, P&P)
- (Er.Sandeep Gupta, Addl.CE)
- (Er. I.S. Kanwar, SE)
- (Er. S. N. Vyas, SE(EHT:C&M))
- (Er. M.S. Singh, EE (C & TM))
- (Er.Ashish Roy, EE (C & TM),
- (Er. S. Surya Prakash, AE)



For M/s Apar Industries Ltd. Vaadoara :-

Mr. Chandan Gupta, Asstt.Mgr.(BD & Sales)



Annexure-A (M/s Sterlite Power Transmission Limited New Delhi)

S. N.	Tender Clause No.	Existing Clause	Changes suggested / recommended by M/s Sterlite Power Transmission Limited	Clarification of CSPTCL																		
1	As per Sr. No. 6 & 7 of "GUARANTEED TECHNICAL PARTICULARS OF OPGW" (Tender page No.175)	<table><tr><td>No. of Buffer Tubes</td><td>each</td><td>6 & 8 as per no. of fibres</td></tr><tr><td>No. of Fibers per Tube</td><td>each</td><td>6 & 8 as per no. of fibres</td></tr></table>	No. of Buffer Tubes	each	6 & 8 as per no. of fibres	No. of Fibers per Tube	each	6 & 8 as per no. of fibres	As per points 6 & 7, If number of buffer tubes 6 No's and No. of Fibers per tube 6 no's this equal to 36F OPGW Cable. 24F OPGW is not feasible with the mentioned requirements in sr. 7 & 8. This clause to be revise as below :- <table><tr><td>No. of Buffer Tubes</td><td>each</td><td>4 or 8</td></tr><tr><td>No. of Fibers per Tube</td><td>each</td><td>6 or 12</td></tr></table>	No. of Buffer Tubes	each	4 or 8	No. of Fibers per Tube	each	6 or 12	Recommendation accepted and shall be as below :- <table><tr><td>No. of Buffer Tubes</td><td>each</td><td>04 No.</td></tr><tr><td>No. of Fibers per Tube</td><td>each</td><td>6 & 12 as per no. of fibres</td></tr></table>	No. of Buffer Tubes	each	04 No.	No. of Fibers per Tube	each	6 & 12 as per no. of fibres
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2	Data Requirement sheet of OPGW Page No-155	To fill the parameters in DRS point No's 34 to 36 and 55 to 58, require the existing earth wire sag and tension details.	Sag and tension requirements are not specified in specification. Kindly provide the existing earth wire sag and tension requirements to offer suitable OPGW for all the line Voltage levels 132KV,220KV and 400 KV lines (or) please provide the below details to check the suitability of OPGW Cable.1.)Nominal span (meters)2.)Wind pressure(kg/m²)3.)Max.sag at 53°C- Nil wind condition or Initial sag at 0°C -Nil wind Condition4.)Max.tension at 32°C - full wind Condition. Kindly provide the existing earth wire sag and tension requirements to offer suitable OPGW3TR	Typical transmission parameters for sag and tension of earthwire for various EHV lines of CSPTCL are enclosed.																		

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3	Page No-175, Guaranteed Technical Particulars of OPGW	Point No-13 requirement mentioned as :- <table><tr><td>Max. breaking load</td><td>kN</td><td>80 or Better</td></tr><tr><td>Ultimate</td><td>/</td><td></td></tr></table>	Max. breaking load	kN	80 or Better	Ultimate	/		In general OPGW UTS and other parameters like Diameter and Weight of OPGW are determined based on requirements of existing earth wire sag and tension details. If UTS of OPGW requires 80 KN, this is feasible for above 400 KV lines and for 132 KV/220 KV lines UTS of OPGW should be less. Kindly recheck and Confirm the UTS requirement of OPGW for all the line voltage levels like 132KV, 220 KV and 400 KV lines. Parally also provide the requirements of OPGW Cable Diameter and Weight of OPGW (or) please share the existing earth wire sag and tension requirements and confirm to offer OPGW meeting to sag and tension requirements. If UTS of OPGW is specified, kindly provide the requirements of other parameters as well like Diameter and Weight of OPGW Cable (or) please share the existing earth wire sag and tension requirements and confirm to offer OPGW meeting to sag and tension requirements.	The UTS shall be as per Guaranteed Technical Particulars of OPGW at Sl.No.13 of our tender specification (Tender page No.175).
Max. breaking load	kN	80 or Better								
Ultimate	/									
4		L2 Schedule Approval	The employer shall make sincere efforts to abide by the L2 schedule as mutually agreed during the Kick Off meeting and fully support the contractor in completing the same. Please confirm.	Shall be arranged after award of contract						
5		Labour license	We request you to provide the Form V for application of Labour License to bidder/subcontractor before starting the installation work as per statutory guidelines.	Shall be arranged after award of contract.						

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6	VARIATION, ADDITIONS & OMISSIONS OF SCOPE OF WORK	The CSPTCL shall have the right to alter, amend, omit, or otherwise vary the quantum of supply / erection work, by notice in writing to the contractor. But there is no upper and lower limit specified in the clause 2.04 . Request for confirmation on maximum limit of % quantity variation (ie '+' or '-').	No change As per tender clause 2.04 (Tender page No.39) "The CSPTCL shall have the right to alter, amend, omit, or otherwise vary the quantum of supply / erection work, by notice in writing to the contractor. The contractor shall carry out such variation in accordance with the rates specified in the contract so far as they may apply and where such rates are not available; those will be mutually agreed between the CSPTCL and the contractor."
7	Tower Schedule	Request for providing sample Tower Schedule and profile of Transmission Lines for engineering bill of quantity calculation.	Shall be provided on award of contract.
8	LILO lines	The substation associated with LILO line is given, however the line associated to it is not mentioned. Please confirm, if all the LILO lines are existing and identified.	Yes, all lines are existing and identified. Details shall be provide on award of contract.
9	Shutdown of Lines	We request you to allow us the line shutdown as per execution schedule if earth wire is not available, earth wire condition is poor, any other technical requirement to maintain the continuity of work and avoid team idling.	As per tender page No.77 "In exceptional cases only where replacement work on live line is not possible due to heavy induction of nearby lines or other unforeseen problems, shutdown may be permitted by CSPTCL. In such cases contractor shall submit a letter to OIC to arrange the shutdown. The reasons

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				for not carrying out work on live line should be brought out in the request letter. However, CSPTCL's decision in the matter shall be final & binding on contractor."
10	Tower Structural Analysis	As per the Tender Specification Tower Structural Analysis is in Bidders Scope, We request you to add the Tower Structural Analysis as part of price schedule or Please descope from Bidder scope.		Only tower structure analysis shall be in bidders scope (without any extra price implication). However, tower strengthening required if any shall be done by CSPTCL.
11	Tower Strengthening	Please note that in case any tower strengthening is required during erection services, it will be in the CSPTCL scope.		No change. As per tender page No.79 "The Contractor shall be responsible for collecting the tower & the transmission line details for the proposed fibre optic links required for cable designing & tower structural analysis. However, the available details are enclosed in appendices. A tower structural analysis shall be carried out by the Contractor to ensure that with the replacement of existing earth wire with the OPGW cable, the tower members remain within the statutory safety limits as per Indian Electricity rules and if required the Contractor shall carry out the tower strengthening as necessary. The OPGW cable sections shall normally be terminated & spliced only on tension towers. In exceptional circumstances, and on Employer specific approval, cable may be terminated on Suspension towers, but in this case tower strength shall be examined to ensure that tower loads are within safe limits and if required, necessary tower strengthening shall be carried out by the Contractor."
				Necessary tower strengthening of







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				above case shall be carried out by the CSPTCL, in this regard Corrigendum is being issued shortly.
12		Storage space for materials	Request CSPTCL to provide store- indoor and outdoor for storage of material during the project execution inside the substations	No change As per clause 1(ii) of Scope of Specification of tender (Page No.14) "Storage space for OPGW, its hardware & other accessories, tools & plants etc. required will be arranged by the bidder. Also construction of various site offices for execution of the work will be in the scope of the bidder."
13		Covid-19	Is there any compendium or guideline regarding compensation of COVID-19 precaution and expenditure or bidder shall consider along with costing? Please clarify.	All such requirements are to be fulfilled by the contractor.
14		EMPTY WOODEN/STEEL ETC: OPGW DRUM	EMPTY OPGW WOODEN/STEEL DRUM ETC: Empty OPGW drums are to be utilized for recoiling of dismantled Earthwire as per clause 3.32 (A) (b). As per general practice, this shall be done with normal coiling and in pieces of approx 50-70m of earthwire/recovered wire from live line considering safe work practice and transportation. Please confirm	No change. As per clause 3.32 (A) (b) (Tender page 58) "Empty OPGW drums are to be utilized for recoiling of dismantled Earthwire."
15		Miscellaneous	1. Kindly confirm that all mentioned name of lines and substations are ready for start the work from day 1, if any lines or substations are under-construction then please provide us information so that we will estimate our execution schedule accordingly at bidding stage. 2. Kindly confirm that, if any fiber link is	1. All lines and substations are existing and ready to start the work. 2. All lines and substations are

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Dr. V. S. Chander

Dr. V. S. Chander

			not commissioned as per bidder scope due to delay in under-construction lines & substations and not ready within this contract execution schedule, then CSPTCL shall release the bidder alongwith sign off the project completion certificate.	existing and ready to start the work.
16		Financial PQ	Referring to recent notification from department of Expenditure, ministry of finance Dt- 12th Nov 2020 whereit is mentioned that "no provisions regarding Bid Security should be kept in the Bid Documents in future and only provision for Bid Security Declaration should be kept in the Bid Documents." Request you to kindly amend the tender clause accordingly	No change
17		Financial PQ	Referring to recent notification from department of Expenditure, ministry of finance Dt- 12th Nov 2020, The Government is in receipt of many representations that on account of slowdown 'in economy due to the pandemic, there is acute financial crunch among many commercial entities and contractors, which in turn is affecting timely execution of the contracts therefore govt has decided to reduce Performance Security from existing 5-10 % to 3 % of the value of the contract for all existing contracts. Request you to kindly amend the tender clause accordingly	No change








Annexure-A (M/s Apar Industries, Vadodara)

S. N.	Tender Clause No.	Existing Clause	Changes suggested / recommended by M/s Apar Industries, Vadodara	Clarification of CSPTCL												
1	As per Sr. No. 6 & 7 of "GUARANTEED TECHNICAL PARTICULARS OF OPGW" (Tender page No.175)	<table><tr><td>No. of Buffer Tubes</td><td>each</td><td>6 & 8 as per no. of fibres</td></tr><tr><td>No. of Fibers per Tube</td><td>each</td><td>6 & 8 as per no. of fibres</td></tr></table>	No. of Buffer Tubes	each	6 & 8 as per no. of fibres	No. of Fibers per Tube	each	6 & 8 as per no. of fibres	As per Sr. No. 6 & 7 of "GUARANTEED TECHNICAL PARTICULARS OF OPGW" it requires 6 or 8 Fibres in 6 or 8 PBT Tubes, hence the combination for 24 F OPGW cable with 6 PBT Tubes containing 6 or 8 Fibres is not matching. Hence request to you kindly clarify.	Recommendation accepted and shall be as below :- <table><tr><td>No. of Buffer Tubes</td><td>each</td><td>04 No.</td></tr><tr><td>No. of Fibers per Tube</td><td>each</td><td>6 & 12 as per no. of fibres</td></tr></table>	No. of Buffer Tubes	each	04 No.	No. of Fibers per Tube	each	6 & 12 as per no. of fibres
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2	"TECHNICAL EXPERIENCE CRITERIA OF PQR" Clause (H-I-a) (Tender page No.19)	(I) Technical Experience for Sole bidder or Joint Venture(JV)/ consortium bidder: - (a) Sole bidder or Joint Venture(JV)/ consortium bidder should have executed project(s) for supply, erection, testing and commissioning of OPGW (24 Fiber or higher capacity) alongwith the hardwares and accessories on 110 KV or above voltage class transmission lines for at-least 2000 Kms (cumulatively) route length on turn-key basis during last 5 years i.e. FY 2015-16 to FY 2019-20 (between 1 st April'2016 & 31 st March'2020).	Under "TECHNICAL EXPERIENCE CRITERIA OF PQR", clause 'a', there is a typographical error, as it is mentioned that in last 5 years i.e. FY 2015-16 to FY 2019-20 (between 1st April'2016 & 31st March'2020), the duration mentioned in the brackets should actually be between 1st April'2015 & 31st March'2020. Kindly clarify.	Due to typographical error, FY 2015-16 to FY 2019-20 (between 1st April'2015 & 31st March'2020), is written as 2015-16 to FY 2019-20 (between 1st April'2016 & 31st March'2020). Corrigendum shall be issued shortly.												

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