

**CORREGENDUM -A**

ESP TENDER SLPP/MECH/BLR/ESP/REPL. &amp; REPAIR /2019-20

**SCHEDULE OF CLARIFICATION FROM GENERAL AND TECHNICAL SPECIFICATIONS**

<b><u>Sl. No</u></b>	<b><u>Page No.</u></b>	<b><u>Clause No.</u></b>	<b><u>As per Tender Specification</u></b>	<b><u>Tender Condition</u></b>	<b><u>Clarification</u></b>
<b><u>GENERAL Terms (e-Reverse Auction)</u></b>					
1.	17 of 127 & 110 of 127	8	e-Reverse Auction	For conducting e-Reverse Auction, lowest 50% out of total eligible Bidders (rounded to the next higher whole number) or Minimum Five (05) eligible bidders (L1, L2,L3,L4 & L5) will be invited".	For conducting e-Reverse Auction, lowest 50% out of total eligible Bidders (rounded to the next higher whole number) or Minimum Three (03) eligible bidders (L1, L2& L3) whichever is higher will be invited".
<b><u>MECHANICAL:</u></b>					
2.	6 of 127	2	SCOPE OF WORK: Type of ESP	The correct ESP nomenclature are as follows as confirmed during previous tender correspondence. Phase -I [Unit#1&2], Model: 2xFAA-6x45H+(45)H -126-135-A2; One dummy (Last) field in both unit ESPs. Phase -II [Unit#3&4], Model: 2xFAA-(45)M+7x45M-132-135-A2; One dummy field (First) in both unit ESPs.	Phase-1 consist 2 units, unit 1 & 2, Each unit contain two passes and each pass contain 7 fields, last field of all 4 passes of phase-1 is dummy field.  Phase-2 consist 2 units , unit 3 & 4, Each unit contain two passes and each pass contain 8 fields, first field of all 4 passes of phase-2 is dummy field.U3 dummy field taken under service in 2019.
3.	6 of 127	2	SCOPE OF WORK:	Total No. of fields 12 in each unit,14 in Phase-1	typo error,24 in phase-1 exc. Dummy fields
4.					
5.	6,59,60 of 127	Clause A1.1, A1.2, A1.3 etc Schedule A1.1 Schedule A1.2	Work description	ESP Model reversed between schedule A1.1 & Schedule A1.2 as per clause A1.1 & clause A1.2 respectively.	A1.1 (Page 59) is for phase-1 , supply of 9 field : model 2xFAA-7x45(45) -126-135-2  A1.2 (Page 60) is for phase-2 , supply of 9 field : model 2xFAA-7x45(45) -132-135-2
6.	65,78 of 127	Schedule 2.2	Collecting electrode system: Collecting plates are made of 1.20mm Corten steel grade-A Description of parts: Collecting electrode Corten steel (1.25mm Corten steel)	Collecting plate thickness mentioned different (1.2 mm and 1.25 mm).	Collecting electrode thickness: 1.2 mm (+/- 0.02)

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7.	59, 60 of 127	Schedule A1.1 Sl. No. 6 Schedule A1.2 Sl. No. 6	Support Insulator	4 Nos. Support insulator required per Field & Total Qty for 9 Fields to be 36 Nos. Whereas as per RFQ Total qty required 18 nos. for 9 fields.	Schedule: A1.1 consider support insulator 18 Nos. only. Schedule: A1.2 consider support insulator 18 Nos. only.
<b>ELECTRICAL:</b>					
8.	6 of 127	1/4)	SCOPE OF WORK:	Incorporation of eight 3-phase transformer up gradation in 1 field per pass of both phase units (Total 8+2spare)	consider 3Phase transformer as mentioned below :  <ol style="list-style-type: none"> <li>For 1st fields of Unit-1&amp;2 of Phase-I, i.e. 4Nos. of 3Phase transformer.</li> <li>For 2nd fields of Unit-3 or 4 of Phase-II, i.e. 4Nos. of 3Phase transformer.</li> <li>1Nos. of 3Phase transformer as Spare for phase-1</li> <li>1Nos. of 3Phase transformer as Spare for phase-2 Total 4+4+1+1</li> <li>Dummy field revival as per clause A1.3 , 2 Nos. For 1<sup>st</sup> fields of Unit-4 to be supply separately over and above 4+1+4+1 = 8+ 2 = 10 as per clause C.1 &amp; C.2</li> </ol>
9.	55 of 127	Schedule 1.1E	Scope of work (Electrical)	415V LT module at LT MCC 368A, C&S make along with supply of outgoing bus bar and incoming bus contacts from vertical dropper for getting three phase supply.	NO extension of existing C&S make MCC (Unit-3 & 4) is required. Existing supply module having 2 phase provisions for 1ph rectifiers. Hence Only 3 phase C&S make module required to be supply & erected along with incoming & out going bus bar for termination of outgoing cables for new 3PH rectifiers Further please note that the existing module for field is 2 phase and its SFU rating is 630A.  Bidder to EITHER provide 3-phase module having SFU rating as 630A including arrangement of three incoming and outgoing bus bar arrangement in respective existing MCC and it should fit in existing module space OR Bidder to modify 2-phase module to make it 3-phase module including arrangement of three incoming and outgoing bus bars in respective existing MCC.
10.	92 of 127	Clause C	Scope of work	Supply and Erection of SIEMENS make 3-phase LT draw out	In Unit-1 & 2 Siemens make ESP MCC is provided.

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		1	(Electrical)	type modules of required rating in existing LT MCC along with supply and installation of main 3-phase power contacts in vertical droppers, 3-phase outgoing bus bar arrangement in existing Siemens make LT panel modules.	<p>Hence Only 3 phase C&amp;S make module required to be supply &amp; erected along with incoming &amp; out going bus bar for termination of outgoing cables for new 3PH rectiformers</p> <p>Further please note that the existing module for field is 2 phase and its SFU rating is 630A.</p> <p>Bidder to EITHER provide 3-phase module having SFU rating as 630A including arrangement of three incoming and outgoing bus bar arrangement in respective existing MCC and it should fit in existing module space OR Bidder to modify 2-phase module to make it 3-phase module including arrangement of three incoming and outgoing bus bars in respective existing MCC.</p>
11.	55 of 127	Schedule 1.1E/6	Scope of work (Electrical)	Armoured LT PVC insulated Copper Cable requirement	Cable length is aprox. 170Mtr to 200 meter., however if required vendor has to supply as per the actual requirement at site.
12.	56 of 127	Schedule 1.1E/7	Scope of work (Electrical)	Heating element for shaft insulator (total 3 nos.) of Escorts make along with Heater JB	1 nos heating element for shaft insulator per field to be considered.
13.	56 of 127	Schedule 1.1E/8	Scope of work (Electrical)	Heating element for support insulator (total 3 nos.) of Escorts make along with Heater JB	4 nos heating element for support insulator per field to be considered.
14.	56 of 127	Schedule 1.1E/9	Scope of work (Electrical)	Thermostat (total 04 nos.) of Siemens make along with JB	2 nos thermostats ( one for shaft & 1 for support insulator to be considered per field.
15.	95 of 127	Clause C 1	Scope of work (Electrical)	Establishing existing communication link between ESP Field Controller Panel / RAPCON and control room computer i.e existing IOS system to be normalized	Consider separate HMI at Unit control room for remote on-line-monitoring & control of system for two Nos. dummy fields.
16.	95 of 127	Clause C 1	Scope of work (Electrical)	Communication of new / existing field controller panel with new controller with existing communication system IOS system which was earlier commissioned by BHEL	For U4 signal/communications of upgraded TR set to be transfer for HMI unit provided for dummy field.