

**MINUTES OF PRE-BID MEETING - TENDER HELD ON 25.11.2022 AT SHRI SOMESHWAR SSKL SITE, SOMESHWAR NAGAR, BARAMATI (TK), DIST-PUNE, MAHARASHTRA**

**PACKAGE: SWITCHYARD PACKAGE**

**LIST OF ATTENDEES OF THE PRE-BID MEETING**

| No.       | Name and Company   | Signature |
|-----------|--|-----------|
| <b>A.</b> | <b>SHRI SOMESHWAR SSKL (SOMESHWAR)</b>                           |           |
| 1.        | Mr. R.N.Yadav, Managing Director                                 |           |
| 2.        | Mr. N. H. Naykode, Chief-Engineer                                |           |
| 3.        | Mr. S.S Gawade, Manager-Power Plant                              |           |
| 4.        | Mr. D. N. Holkar, Civil engineer                                 |           |
| 5.        | Mr. K. D. Nikam, Secretary                                       |           |
| <b>B.</b> | <b>AVANT-GARDE SYSTEMS AND CONTROLS PVT LTD (AVANT-GARDE)</b>    |           |
| 1.        | Mr. M. Krishnamurthy,  |           |
| 2.        | Mr. J. Senthil Raja  |           |
| <b>C.</b> | <b>SWITCHYARD PACKAGE BIDDERS (BIDDERS)</b>                      |           |
| 1.        | Mr. Hemant chaware/ (M/s. Sahyadri enterprises)                  |           |
| 2.        | Mr. Nagesh Kupade & Mr. Sameer Purohit / (M/s. Namrata services) |           |
| 3.        | Mr. Mukund.R.Gotkhindi / (M/s. IKE electric)                     |           |

| <b>POINTS DISCUSSED &amp; AGREED DURING PRE-BID MEETING</b> |                         |  |   |
|---|-------------------------|--|---|
| No.   | Party                   | Query raised   | Clarification   |
| 1.  | Avant-Garde / Someshwar | Avant-Garde / Someshwar informed the Bidders to take care the following Points : | a. There shall not be any Deviations on the Scope of Work, Terminal Points, Technical Specifications and Terms & Conditions, other than the points, if any discussed & agreed during this meeting and "No Deviation Certificate" must be enclosed with the bid. |
| 2.  | Avant-Garde / SOMESHWAR | Avant-Garde/ SOMESHWAR informed the Bidders to take care the following Points :  | a. The package shall be operated on unit rate basis. Any addition / deletion in the BOQ based on the approved drawings/ documents during the detailed engineering shall be operated on unit rate basis. The bidder to plan                                      |

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|  |       |              | <p>and consider the package accordingly.</p> <p>b. The bidders were informed to take care of the following technical changes / points:</p> <p>c. In the existing switchyard one (1) set of tariff CT's and tariff PT's for check meter interconnection needs to be additionally included in the existing bay. Required modifications in the existing switchyard for the same are also included in the scope of the bidder. The CT ratio shall be 100/1A class 0.2s, 15VA (six Nos) and PT shall 132kV/√3/110V/√3/110V/√3, class 0.2, 50VA (three Nos)</p> <p>d. The CT ratio for the proposed tariff meters shall be 100/1A instead of 200/1A ((Refer, Price Schedule, Clause No: 3.3, S. No: 2.4(b)). The quantity shall be as per the price schedule.</p> <p>e. The main earth grid shall be with 75x10 mm instead of 40mm dia MS Rod. (Refer, Price Schedule, Clause No: 3.3 , S. No: 2.9.(a))</p> <p>f. Only unit rates for the supply and installation, testing and commissioning of the 11kV standalone panel shall be submitted. (Refer, Price Schedule, Clause No: 3.3, S. No: 3.3).</p> <p>g. In Price Schedule, Clause No: 3.3 , S. No: 3.4, the nomenclature details shall be as Common Summation Main meter and also common Summation Check Meter (Both separate units as per Approved SLD)</p> <p>h. In the tender document, the approved MSETCL and also approved Switchyard SLD are enclosed. It shall be the BIDDER responsibility to ensure and</p> |

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|  |       |              | <p>follow the same and proceed accordingly.</p> <p>i. The cleats for connecting the earthing conductors and also the cleats for the lightning protection strings are also included in the scope. These quantity of the Cleats required shall be on Lump-sum basis</p> <p>j. As indicated in the tender document, switchyard civil work shall be only in PURCHASER'S scope. However the required foundation designs for the same shall be provided by the BIDDER.</p> <p>k. For the generator transformer, the following spares (HV bushing with metal part- 1 No, LV bushing with Metal part -1 No, Neutral CT -1 No) and also routine &amp; type testing of the transformer are included in the scope of the BIDDER.</p> <p>l. Avant-Garde/ Someshwar informed that Electrical inspectorate approval including safety certificates for the complete switchyard package, along with Generator Transformer is included in scope of the BIDDER. The scope also includes obtaining the approvals along with safety certificates for 18 MW generator systems, 11 kV switchgears, Converter, Distribution transformer pertaining to new cogeneration plant installed in the new plant premises. Necessary inputs for the 18 MW TG systems shall be furnished by PURCHASER / CONSULTANT during detailed engineering. (Refer, Price Schedule, Clause No: 3.3, S. No: 5).</p> <p>m. RTU and SCADA requirement for the</p> |

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|  |       |              | <p>Plant was discussed. Avant-Garde informed that the new plant system shall have to be hooked up to the existing SCADA system. All the signal hook arrangement &amp; interfacing with the existing system shall be in BIDDER Scope. However based on the MSETCL requirements, if separate Real time monitoring system with data connectivity to SLDC, Kalwa is required, the same shall to be provided separately based on the mutual discussions with the Avant-Garde / Someshwar. However, complete interfacing of the new system with the existing SCADA system shall be in the BIDDER scope including cabling and other miscellaneous items BIDDER's noted and agreed.</p> <p>n. It was informed that IPS tube shall have to be considered for the switchyard interconnection in line with the existing plant arrangement. BIDDER's agreed.</p> <p>o. Bidders informed that 50x8 mm GI flat shall be considered instead of 50x6 mm GI flat. BIDDER agreed.</p> <p>p. Bidders informed that 150 mm Dia x 3m long CI earth electrode shall be considered instead of 100 mm Dia x 3m. Noted and agreed by Avant-Garde /Shri Someshwar SSK</p> <p>q. Bidders informed that 2Cx2.5 Cu multi-stranded cable shall be considered for the MSETCL end cables. Noted and agreed by Avant-Garde / Someshwar. The quantity shall be considered as 1000m</p> <p>r. Bidders informed that perforated</p> |

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|  |       |              | <p>cable trays shall be considered as per the MSETCL standards for the MSETCL supervision area. Noted and agreed by Avant-Garde /Shri Someshwar SSK. The BOQ required for the same shall be considered on Lump sum Basis. Avant-Garde further added that for the balance plant end area, the cable tray specifications shall be as per the RFQ. Bidder noted.</p> <p>s. Additional make of equipments points were discussed. The Bidders were informed that the following makes for the equipments are additionally acceptable as indicated below:</p> <ol style="list-style-type: none"> <li>i. CT and PT - Pragati</li> <li>ii. Isolator - Tritech corp, Kiron Electorteknik</li> <li>iii. Transformer - Kirloskar.</li> </ol> <p>t. Apart from the above additionally agreed ones, all the other makes shall be as per the tender document. BIDDER's agreed to follow the same.</p> <p>u. Avant-Garde / Someshwar informed that Tap changer shall be Easan-MR only. Type Reference shall be DIII Y 60/60-12.23 3G.MA 2 which is similar to the existing Tap changer shall be supplied for this project.</p> <p>v. Bidders informed that existing generator transformer NCT ratio found 150/1A for similar rating and for the proposed transformer NCT ratio mentioned 100/1A. Avant-Garde informed that CT ratio shall be 150/1A and BIDDER to consider accordingly.</p> <p>w. Bidders informed that as per tender SLD, 3RX3CX300 Sq.mm HT cable is indicated from the Tie CB to generator</p> |

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|  |       |              | <p>transformer. Avant-Garde/Someshwar informed that the BIDDER to consider 5RX3CX300 Sq.mm HT cable. Avant-Garde shall revise the tender SLD accordingly.</p> <p>x. Unloading and laying of HT cables for the following interconnections are included in Bidders scope:</p> <ul style="list-style-type: none"> <li>i. 11kV switchboard to Generator Transformer</li> <li>ii. 11kV switchboard to Earthing Transformer</li> <li>iii. Earthing Transformer to NGR panel.</li> </ul> <p>However supply of HT Cables shall be in PURCHASER'S Scope. HT Cable length from TG building to Switchyard shall be 300 Meters. The total quantity of cables to be laid shall be 1600m. however the HT termination kit for the above interconnections are in the BIDDER scope (Quantity to be considered accordingly by the BIDDER)</p> <p>y. The tariff meters shall be AMR (IEM) meters along with Check and main meter arrangement. The complete integration of the meters with the SLDC and the hooking arrangement are in the BIDDER scope.</p> <p>z. All the Liasioning works for the complete and the existing modification works with MSETCL/MSEDCL/SLDC and PWD/ SE Electrical shall be in Bidders scope. Any inputs with the existing plant shall be provided by PURCHASER / CONSULTANT.</p> <p>aa. Bidders informed that technical query and clarification points shall be sent</p> |

SHRI SOMESHWAR SSKL- SWITCHYARD & TRANSFORMER-TENDER PRE-BID MOM

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|   |              |                     | through mail by all the bidders to Avant-Garde /Someshwar. |