

| BHEL REPLIES AGAINST PRE-BID QUERIES FOR HYDRANT BASED COMPONENT PACKAGE |                                                                                                                                                                        |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| PROJECT NAME: 4 X 270 MW BHADRADRI TPS                                   |                                                                                                                                                                        |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CUSTOMER: TELENGANA STATE POWER GENERATION CO.LTD.                       |                                                                                                                                                                        |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ENQUIRY NO: T7E1Q92168 & NIT_34490                                       |                                                                                                                                                                        |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SI No                                                                    | NIT Spec. Reference Clause./ Annexure No/ Page No.                                                                                                                     | Description as per specification                                                                                                                                                                                                                                                              | Pre Bid Query Description                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BHEL Response                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1                                                                        | 2.4 of 'Purchase specification for supply of hydrant base fire protection equipments'.                                                                                 | All erection hardware including structural steel, fittings, brackets, U clamps, nuts & bolts etc. that are required for the erection of Hydrant based FPS equipment (as per the scope of this bid) shall be included in the scope of bidder and the same shall be included in the base price. | We have considered that the erection hardware e.g. welding electrodes are EXCLUDED from Bidder's scope. Please confirm.                                                                                                                                                                                                                                                                                                                                                          | Bidder to note that "All erection hardware including structural steel, fittings, brackets, U clamps, nuts & bolts etc. that are required for the erection of Hydrant based FPS equipment (as per the scope of this bid) shall be included in the scope of bidder and the same shall be included in the base price".<br><br>However bidder's understanding on supply of welding electrodes is correct. Welding electrodes are not part of erection hardware. |
| 2                                                                        | 2.5 of 'Purchase specification for supply of hydrant base fire protection equipments'.                                                                                 | The Bidder shall accept full responsibility for the completeness and for the faultless working of all the equipment and the Hydrant Based FPS equipment system as a whole.                                                                                                                    | Please note that since we have not received the related drawings of the project, it is not possible for us to design the hydrant system & to check the tender quantities & hence we shall quote our offer as per the quantity given in the tender document only. So please consider this tender as a unit basis contract tender & the contract amount will be amended as per the actual quantity arrived during detail engineering stage without any limitation. Please confirm. | Noted.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                          | SI no - 6.0 of Annexure - I of 'Purchase specification for supply of hydrant base fire protection equipments'.                                                         | Bidder to note that the variation in quantities of any item shall be limited to (-) 0 % to (+) 10 %.                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3                                                                        | SI no -A.2. of Annexure - I of 'Purchase specification for supply of hydrant base fire protection equipments'.                                                         | Branch pipe with Triple purpose/Universal type nozzle.                                                                                                                                                                                                                                        | Please note that Triple purpose & Universal type nozzle is two different type of nozzle. Please confirm us which type of nozzle shall we consider against this item.                                                                                                                                                                                                                                                                                                             | Bidder to the note that the type of nozzle shall be of Triple purpose type.                                                                                                                                                                                                                                                                                                                                                                                 |
| 4                                                                        | SI no - 4.8 of clause no - 4.3.3 of 'Purchase specification for supply of hydrant base fire protection equipments'.                                                    | Process Connection Piping (Impulse piping/tubing, sampling piping / tubing & air supply piping as applicable)                                                                                                                                                                                 | Please explain which part of pipe of the system that included within our scope of work shall be considered as Process Connection Piping (Impulse piping/tubing, sampling piping / tubing & air supply piping as applicable).                                                                                                                                                                                                                                                     | Bidder to note that the process connection piping as required for instrument hook up materials are in scope of supply.                                                                                                                                                                                                                                                                                                                                      |
| 5                                                                        | Data sheet of 'Air compressor' of 'Purchase specification for supply of hydrant base fire protection equipments'.                                                      | Drive motor shall meet the requirement mentioned in Annexure-10 (Specification for AC DC Motors).                                                                                                                                                                                             | We have not received the Specification for AC DC Motors along with the tender. Kindly provide the same.                                                                                                                                                                                                                                                                                                                                                                          | Specification for AC and DC motors is attached as Annexure-11 along with pre-bid reply.                                                                                                                                                                                                                                                                                                                                                                     |
| 6                                                                        | Data sheet of 'Pressure gauge', 'Pressure switch', 'Solenoid valve' of Annexure - 7 of 'Purchase specification for supply of hydrant base fire protection equipments'. | Enclosure Protection : IP-65 (Explosion proof for NEC Class-1, Division 1 area) .                                                                                                                                                                                                             | As we know the 'NEC Class-1, Division 1 area' is concerned with Flammable components ,please confirm us is this specification applicable for our scope of work & for all items (pressure gauge, pressure switch,solenoid valve) mentioned in Annexure -1 (against item no -13,14,15,16 respectively).                                                                                                                                                                            | Bidder to follow the specification requirement (as indicated in the Datasheets).                                                                                                                                                                                                                                                                                                                                                                            |
| 7                                                                        | The make of the following items are not mentioned in the tender document. However we propose the following makes against those items. Kindly check & confirm to us.    |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 7.1                                                                      | Air release valve                                                                                                                                                      | Kalpana/H.Sarkar/AV valves/Leader/Equivalent                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Bidder to note that as per Cl. No. 7.0 of specification, bidder may propose additional sub vendors with proven track record (validated with credentials) for the above items and subjected to BHEL / customer approval during post ordering of the package.                                                                                                                                                                                                 |
| 7.2                                                                      | Hose Reel                                                                                                                                                              | Ashoka engineering company/Shah bhogilal jethalal & brothers/Newage fire fighting co. Ltd/Asco strumech pvt. Ltd                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Bidder to note that as per Cl. No. 7.0 of specification, bidder may propose additional sub vendors with proven track record (validated with credentials) for the above items and subjected to BHEL / customer approval during post ordering of the package.                                                                                                                                                                                                 |
| 7.3                                                                      | 25 nb gun metal gate valve                                                                                                                                             | Kalpana/H.Sarkar/AV valves/Leader/Equivalent                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Bidder to note that as per Cl. No. 7.0 of specification, bidder may propose additional sub vendors with proven track record (validated with credentials) for the above items and subjected to BHEL / customer approval during post ordering of the package.                                                                                                                                                                                                 |

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| 7.4 | Air compressor            | UD Marketing/Equivalent | Bidder to note that as per Cl. No. 7.0 of specification, bidder may propose additional sub vendors with proven track record (validated with credentials) for the above items and subjected to BHEL / customer approval during post ordering of the package. |
| 7.5 | Hydro pneumatic tank      | Technico / Equivalent   | Refer Sl. No.9 ( Vendors for Surge/Pressure Vessel), Page 16 of 126 of specification for vendors required for HPT.                                                                                                                                          |
| 7.6 | Wrapping coating material | IWL //Equivalent        | Bidder to note that as per Cl. No. 7.0 of specification, bidder may propose additional sub vendors with proven track record (validated with credentials) for the above items and subjected to BHEL / customer approval during post ordering of the package. |