

1x500MW VINDHYACHAL STPP, STAGE-V, FUEL OIL HANDLING SYSTEM
PRICE FORMAT FOR INDIAN BIDDER
SPECIFICATION NO

PE-TS-389-166-A001

| S.No | Details of Works or Equipment/System | Qty | Unit | Unit Ex-works price | Total Ex works price | Excise Duty | (CST@...% against form C & E1/E2) in VAT @...% (Rs.) | Freight @...% of Ex-site price (including service tax, if any) (Rs.) | Total FOR | Erection and Commissioning Charges (Rs.) | Service Tax @...% on E&C (Rs.) | Total E&C charges including service tax | TOTAL COST to BHEL (Rs.) | (percentage value of Total Price Supply) | 70% of the Total quoted package(excluding mandatory spares but including all taxes and freight) | 30% of the Total quoted package(excluding mandatory spares but including all taxes and freight) | Remarks | |
|---------------|--|-----|------|---------------------|----------------------|-------------|--|--|-----------|--|--------------------------------|---|--------------------------|--|---|---|---------|------------|
| | | | | | | | | | | | | | | | | | | 10=6+7+8+9 |
| 1.1.0 | Lumpsum prices | | | | | | | | | | | | | | | | | |
| 1.1.1 | Lumpsum firm price for design, engineering, manufacturing, inspection and testing at vendor's / sub-vendor's works, painting, forwarding, proper packing, shipment and delivery at project site, including freight, unloading, storage, handling and transportation at site, erection and commissioning, minor civil work as required and handing over to the customer in line with drawings / documents / test procedures to be approved by Customer / consultant, inclusive of all prevailing taxes, duties and other levies for Fuel Oil Unloading & Storage System with all accessories including electricals, control & instrumentation, start up & commissioning spares, mandatory spares as required for the total scope defined as per technical specification PE-TS-389-166-A001. | | Lot | | | | | | | | | | | | | | | |
| 1.2.0 | Break - up of Prices given at 1.1.1 above. | | | | | | | | | | | | | | | | | |
| 1.2.0.1 | Lumpsum firm price for LDO Storage tank with all accessories | 1 | Lot | | | | | | | | | | | | 62-65% of the Total Ex-Works Supply | | | |
| 1.2.0.2 | Lumpsum firm price for pipes & fittings | 1 | Lot | | | | | | | | | | | | 15-17% of the Total Ex-Works Supply | | | |
| 1.2.0.3 | Lumpsum firm price for Valves | 1 | Lot | | | | | | | | | | | | 9-11% of the Total Ex-Works Supply | | | |
| 1.2.0.4 | Lumpsum firm price for Instruments | 1 | Lot | | | | | | | | | | | | 1-2 % of the Total Ex-Works Supply | | | |
| 1.2.0.5 | Lumpsum firm price for Paints | 1 | Lot | | | | | | | | | | | | | | | |
| 1.2.0.6 | Lump sum price of all flanges, counter flanges, nuts bolts, washers, structural steel to be used for pipe support etc. | 1 | Lot | | | | | | | | | | | | | | | |
| 1.2.0.7 | Lump sum price for facilitating approval from all statutory bodies. | 1 | Lot | | | | | | | | | | | | | | | |
| 1.2.0.8 | Lump sum price for minor civil and structural works | 1 | Lot | | | | | | | | | | | | | | | |
| 1.2.0.9 | Lump sum price for startup and commissioning spares | 1 | Lot | | | | | | | | | | | | | | | |
| 1.2.0.10 | Lump sum price for maintenance tools and tackles (bidder shall furnish list of tools and tackles in terms of numbers only in separate Annexure form) | 1 | Lot | | | | | | | | | | | | | | | |
| 1.2.0.11 | Lumpsum firm price of any other item not covered above but required for successful completion of system in line with specification (Indicating NIL against this S No. shall not absolve bidder of supplying necessary items to the satisfaction of the customer) | 1 | Lot | | | | | | | | | | | | | | | |
| 1.3.0 | Total of 1.2.0 (sum of 1.2.0.1 to 1.2.0.11) | | | | | | | | | | | | | | | | | |
| 1.4.0 | E&C Charges | | | | | | | | | | | | | | | | | |
| 1.5.0 | Lumpsum price for Mandatory Spare as per the technical specification/bidder to furnish unit rate for each and every item as applicable in ANNEXURE-MS) | 1 | Lot | | | | | | | | | | | | | | | |
| 1.6.0 | Total of 1.3.0,1.4.0 & 1.5.0 | | | | | | | | | | | | | | | | | |
| 1.7.0 | GIF CONTENT (Details as per enclosed Annexure-CIF) | | | | | | | | | | | | | | | | | |
| Notes: | | | | | | | | | | | | | | | | | | |
| a) | Bidder to note that total price indicated above at 1.6.0 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed including electrical and control & instrumentation. In case there is any mismatch between lumpsum and break up price, higher of the two will be considered for evaluation and order will be placed on lower price in case the bidder happens to be L1 | | | | | | | | | | | | | | | | | |
| b) | Proportion of Quotion for supply and E&C is 70% and 30% respectively. Sum total of Cl. No. 1.2.0.1 upto 1.2.0.11 will be 100% of Total main supply price. | | | | | | | | | | | | | | | | | |
| c) | Any item not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection. | | | | | | | | | | | | | | | | | |
| d) | Bidder shall furnish the price of all items as indicated in the price schedule. Bidder's offer shall be liable to be rejected in case bidder does not furnish the same. | | | | | | | | | | | | | | | | | |
| e) | Bidders are requested to obtain clarifications in case of any doubt before filling the price schedule in the prebid clarification stage. It is requested not to make any assumption. | | | | | | | | | | | | | | | | | |
| f) | ED shall be nil against ED benefit certificate issued by NTPC for self manufactured items, for the same please refer point c) of Taxes & duties of project scc(1x500 mw vindhyachal stpp stage-v) | | | | | | | | | | | | | | | | | |



| MANDATORY SPARES FOR FUEL OIL UNLOADING & STORAGE SYSTEM FOR INDIAN BIDDER | | | | | | | | |
|---|---|--|---------------------|----------------------|-------------|---|---|----------------------------|
| 1x500MW VINDHAYACHAL STPP(STAGE-V) | | | | | | | | ANNEXURE-MS |
| S.No | PARTICULARS | Quantity | Unit Ex-works price | Total Ex works price | Excise Duty | (CST@...% against form 'C' & 'E1/E2) or VAT @...% (Rs.) | Freight @...% of Ex-Works (including service tax, if any) (Rs.) | Total FOR site price (Rs.) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9=5+6+7+8 |
| 6.00.00 | MEASURING INSTRUMENTS(for all systems including Air Compressor, Dosing System, ECW System etc.) | | | | | | | |
| | 1. Electronic Transmitters | | | | | | | |
| | 1.1 Transmitters of all types, ranges (for the measurement of Pressure,differential pressure flow, level, etc.) | 10% or 1 no. of each type and model | | | | | | |
| | 2. Temperature elements | | | | | | | |
| | 2.1 RTD's* of each type and length(with head assembly, terminal block & nipple) | 10% or 2 nos. of each type and length, whichever is more | | | | | | |
| | 2.2 Thermocouples of each type like K-type, Rtype, metal etc. * | 10% or 2 nos. of each type and length which ever is more | | | | | | |
| | 2.3 Thermowell for application like mill outlet temperature and SH/RH/Eco/ flue gas temp. in furnace | 10% or 2 nos. of each type and length whichever is more. | | | | | | |
| | 2.4 Temperature transmitters | 10% of each type and length | | | | | | |
| | 3. Local Indicators like temperature gauges, pressure gauges, differential pressure gauges, flow gauges, flow meters, Level etc., | 5% or 1 no. of each make, model and type whichever is more (to be divided to various ranges in proportion to main of all make, model, type population) | | | | | | |
| | 4. Process Actuated Switch Devices Includes all types of Pressure, differential pressure, flow, temperature, differential temperature, level switch Devices | 5% or 1 no. of each type and model whichever is more | | | | | | |
| | 5. Electrical Metering Instruments Electrical meters including voltmeter, motor current ammeter. | 5% or 1 no. of each type and model whichever is more. | | | | | | |
| | 6. PD Type Flow Transmitters(only in Trichy Scope) | | | | | | | |
| | 7. Flue gas Analyzer instruments for oxygen (i) Electronic card Assemblies of each type (ii) Sets of gaskets/O' rings (iii) Temperature Sensor & heater assembly (iv) Complete Probe with shield assembly (v) Consumables like filter elements etc | 1 no. Each 10% 2 sets 20% 2 nos 100% | | | | | | |
| 8.00.000 | Process Connection Piping (For impulse piping/ turbine sampling piping/turbine and air supply piping as applicable) | 5% or 1 no. of each type and model whichever is more. | | | | | | |
| | 1. valves of all types and models | 10% or 1 nos. of each type, class size and model whichever is applicable | | | | | | |
| | 2. 2 way, 3 way, 5 way valve manifolds | 10% or 1 nos. of each type, class size and model whichever is applicable | | | | | | |
| | 3. fittings | 10% or 1 nos. of each type, class size and model whichever is applicable | | | | | | |
| | 4. purge meters | 10% or 1 nos. of each type, class size and model whichever is applicable | | | | | | |
| 11.00.00 | ELECTRICAL ACTUATORS | | | | | | | |
| | 1. Actuators | 1 no. of each type, model and rating | | | | | | |
| | 2. Power unit for modulating actuator | 1 no. of each type & size | | | | | | |
| | 3. DC-DC unit/power pack units | 1 no. of each type & size | | | | | | |
| | 4. Electronic cards | 1 no. of each type & size | | | | | | |
| | 5. Position Feed back transmitters | 1 no. of each type & size | | | | | | |
| | 6. Control Unit | 1 no. | | | | | | |
| | 7. Torque and Limit Switch Assembly | 1 no. | | | | | | |
| NOTE:- | 1. The successful bidder immediately after approval of PID, Layout & equipment/ instrument data sheets /GA will prepare detailed list of mandatory spares with regard to their exact quantities, applicability/ non applicability; supply of alternate items against non-applicable items etc. This list will be submitted to customer for getting their approval. The successful bidder will proceed for ordering only after approval of the list. | | | | | | | |
| | 2. Any item which is "not applicable" in the above list and is found to be "applicable" at a later date shall be supplied by the BIDDER without any extra cost. | | | | | | | |
| | 3. Bidder to furnish unit rate for each and every item of list as applicable | | | | | | | |

Gurudat

| MANDATORY SPARES FOR FUEL OIL UNLOADING & STORAGE SYSTEM FOR FOREIGN BIDDER | | | | | | | | | |
|---|---|--|-----------------------------|--|--------------------------|--------------------------|---|--|--|
| 1x500MW VINDHAYACHAL STPP(STAGE-V) | | | | | ANNEXURE-MS | | | | |
| S.No | PARTICULARS | Quantity | Unit F.O.B price (CURRENCY) | TOTAL F.O.B. Price (including packing; handling and transportation to Vendor's own port.) (CURRENCY) | Ocean Freight (CURRENCY) | Ocean / Marine Insurance | Custom Duty After availing CENVAT benefit, if any (INR) | Inland FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR) | F.O.R. site Imported Items supply price (Currency + INR) |
| 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11=6+7+8+9+10 |
| 6.00.00 | MEASURING INSTRUMENTS(for all systems including Air Compressor, Dosing System, ECW System etc.) | | | | | | | | |
| | 1. Electronic Transmitters | | | | | | | | |
| | 1.1 Transmitters of all types, ranges (for the measurement of Pressure, differential pressure flow, level, etc.) | 10% or 1 no. of each type and model | | | | | | | |
| | 2. Temperature elements | | | | | | | | |
| | 2.1 RTD's* of each type and length(with head assembly, terminal block & nipple) | 10% or 2 nos. of each type and length, whichever is more | | | | | | | |
| | 2.2 Thermocouples of each type like K-type, Rtype, metal etc. * | 10% or 2 nos. of each type and length which ever is more | | | | | | | |
| | 2.3 Thermowell for application like mill outlet temperature and SH/RH/Eco/ flue gas temp. in furnace | 10% or 2 nos. of each type and length whichever is more. | | | | | | | |
| | 2.4 Temperature transmitters | 10% of each type and length | | | | | | | |
| | 3 Local Indicators like temperature gauges, pressure gauges, differential pressure gauges, flow gauges, flow meters, Level etc., | 5% or 1 no. of each make, model and type whichever is more (to be divided to various ranges in proportion to main of all make, model, type population) | | | | | | | |
| | 4. Process Actuated Switch Devices Includes all types of Pressure, differential pressure, flow, temperature, differential temperature, level switch Devices | 5% or 1 no. of each type and model whichever is more | | | | | | | |
| | 5. Electrical Metering Instruments Electrical meters including voltmeter, motor current ammeter. | 5% or 1 no. of each type and model whichever is more. | | | | | | | |
| | 6. PD Type Flow Transmitters(only in Trichy Scope) | | | | | | | | |
| | 7. Flue gas Analyzer instruments for oxygen | 1 no. Each | | | | | | | |
| | (i) Electronic card Assemblies of each type | 10% | | | | | | | |
| | (ii) Sets of gaskets/'O' rings | 2 sets | | | | | | | |
| | (iii) Temperature Sensor & heater assembly | 20% | | | | | | | |
| | (iv) Complete Probe with shield assembly | 2 nos | | | | | | | |
| | (v) Consumables like filter elements etc | 100% | | | | | | | |
| 8.00.000 | Process Connection Piping (For impulse piping/ turbine sampling piping/turbine and air supply piping as applicable) | 5% or 1 no. of each type and model whichever is more. | | | | | | | |
| | 1. valves of all types and models | 10% or 1 nos. of each type, class size and model whichever is applicable | | | | | | | |
| | 2. 2 way, 3 way, 5 way valve manifolds | 10% or 1 nos. of each type, class size and model whichever is applicable | | | | | | | |
| | 3. fittings | 10% or 1 nos. of each type, class size and model whichever is applicable | | | | | | | |
| | 4. purge meters | 10% or 1 nos. of each type, class size and model whichever is applicable | | | | | | | |
| 11.00.00 | ELECTRICAL ACTUATORS | | | | | | | | |
| | 1. Actuators | 1 no. of each type, model and rating | | | | | | | |
| | 2. Power unit for modulating actuator | 1 no. of each type & size | | | | | | | |
| | 3. DC-DC unit/power pack units | 1 no. of each type & size | | | | | | | |
| | 4. Electronic cards | 1 no. of each type & size | | | | | | | |
| | 5. Position Feed back transmitters | 1 no. of each type & size | | | | | | | |
| | 6. Control Unit | 1 no. | | | | | | | |
| | 7. Torque and Limit Switch Assembly | 1 no. | | | | | | | |
| NOTE:- | | | | | | | | | |
| 1. The successful bidder immediately after approval of PID, Layout & equipment/ instrument data sheets /GA will prepare detailed list of mandatory spares with regard to their exact quantities, applicability/ non applicability, supply of alternate items against non-applicable items etc. This list will be submitted to customer for getting their approval. The successful bidder will proceed for ordering only after approval of the list. | | | | | | | | | |
| 2. Any item which is "not applicable" in the above list and is found to be "applicable" at a later date shall be supplied by the BIDDER without any extra cost. | | | | | | | | | |
| 3. Bidder to furnish unit rate for each and every item of list as applicable | | | | | | | | | |

Grunders

