

| Reply to Pre Bid Queries For Consultancy Services for Selection of EPC Contractor for setting up of 2x660 MW Coal Fired Super Critical units of Extension Project (stage-II) at Tenughat Thermal Power Station, Lalpania, District Bokaro, Jharkhand Held on 13th September 2016 at Ranchi | | | | |
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| Sl. No. | Clause reference no. | Clause | Description of Queries | Reply/Clarifications |
| 1. | | | Whether Foreign Consultancy Firm are allowed to participate in the above mentioned NIT having rich experience in Indian Power Sector at Mundra Thermal Power Project of Adani Power for setting up 5x660 MW Super-critical Units. | Consultancy firm meeting the Qualifying requirement, clause no-5.0, page no-25 of Bid Document is eligible to participate in the tender. |
| 2. | Clause 9 (6) | | Whether Foreign Bidders are allowed to offer their Bid in USD including EMD | Please refer Clause 9.6 (Award of Contract) of the Bid Document. It's self-explanatory. |
| 3. | | | Whether you are seriously considering compliance of 7 December, 2015 Gazette Notification of MoEF regarding SOx, NOx, SPM& Hg for this Project. | Please refer Clause 2.6.1 (1) on Page 14 of the Bid Document. |
| 4. | | | Whether it is possible for you to upgrade the set size from 2x660 MW to 3x1000 MW as because you are in the possession of 1800 Acres of Land and guaranteed coal supply @ 15 MMTPA from Rajbar E & D Coal Blocks. In this regard, we may offer you a complete solution from Concept to Commissioning. | As per Bid Document. |
| 5. | | | Whether you are considering setting up of 50 MW Solar Project (3% of installed capacity as per SECI NRE norm) at Tenughat TPS Extension Stage – III | As per Bid Document. |
| 6. | Clause 5.3 | | What is the required Net Worth criteria for the Bidders? | Please refer Clause 5.3 of the Bid |

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| | | | | Document. It's self-explanatory. |
| 7. | Clause No:1.1 Page 6 | Last date and time for receipt of Bid Date: 30.09.2016 | We request you to extend the bid submission till 24.10.2016. | As per Bid Document. |
| 8. | Form 8 Page 55 | Schedule of Price Bid | We request to indicate the number of visits required for meetings/ discussions/ site visit. | Bidder should make their own assessment as per Bid Document. PI refer Form-8, Note sl no-4,8,9 & 10 page-57. |
| 9. | Clause No: 14.20 Page 38 | Foreign visits, if required, will be arranged by TVNL and expenses incurred by the Consultant towards these visits shall be borne by TVNL as per RBI Norms. | We request you to elaborate RBI Norms. | Any foreign currency expenditure to be incurred is always subject to FEMA guidelines prevalent at the time of expenditure. |
| 10. | Clause 2.1 Page No: 7 | Preparation of TEFR | The stipulation contains a number of items of information/documents which are to be obtained from Statutory Bodies by the Project Owner only. Such Bodies do not generally entertain requests from any Third Party, in this case the Consultant. Hence these are to be gathered and made available to the Consultant by TVNL with all necessary technical assistance from Consultant. | As per Bid Document. |
| 11. | Clause 2.3 Page No: | Site-Specific Studies | These studies are to be carried out by respective specialized agencies, directly assigned by the Project Authority. However | As per Bid Document. |

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|---|--|---|--|--|
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| | 8 1 thru' 4 | | necessary technical assistance will be provided by the Consultant to the Owner in this respect. | |
| 12. | Clause 6.0; Pg No. 26 | Team Composition | Minimum qualification for Resident Engineer Civil / Mech./ Elec./Inst. is indicated as Graduate Engineer having 5 years of Post qualification experience in Thermal Power Plant. Owner to confirm whether Diploma in respective discipline having more than 10 years of Post qualification experience in Thermal Power Plant would be accepted for site Supervision Services. | As per Bid Document. |
| 13. | Clause 14; Sub-Clause 14.18; Pg No. 38 | Other Terms and Conditions/ Facilities to be provided by TVNL | Unfurnished accommodation for office with water and electricity inside the power house will be provided by TVNL free of cost, if available . Owner to confirm whether Unfurnished accommodation for office with water and electricity will be provided free of cost or not. If it is not provided, then it will have an impact in the man-month rate to be quoted by us. | It is confirmed that unfurnished accommodation for office with water and electricity inside the power house will be provided by TVNL free of cost. |
| 14. | Form-8; Sl. No. 8; Pg No. 55 & 56 | Schedule of Price Bid | As per Sl. No. 8 (a) and (b); 45 man-months have been indicated as Construction Manager and 230 man-months have been indicated for Construction /start up /testing /Commissioning Engineers (Civil / Mech. /Elec. /Inst.). Owner to confirm whether additional man-months, if required | Additional man-months if required within the contractual period in excess of 45man-months for Construction Manager and 230man-months for construction / start-up/ testing/ commissioning |

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| | | | during execution of the work within the contractual period in excess of 230 m-m, would be considered for payment in the man-month rate to be quoted by the bidder. | Engineers (Civil/Mech/Electrical/Instrumentation) would be considered for payment as per the man-months rate quoted by the Bidder. |
| 15. | Form-8; note-6 and 8; Pg No. 57 | Schedule of Price Bid | <p>As per note 8, the price offer for the assignment should be quoted on lump sum basis inclusive of all taxes and duties etc as may be applicable. No escalation for any reason whatsoever shall be allowed over and above the Bid price till completion of the assignment. However Service Tax, if any, and educational cess or any such tax / levy calculated as a percentage of the service tax at applicable rates, on the date(s) of Payment(s) shall be paid over and above the Bid price.</p> <p>As per note 6, if the actual man-months utilized on the project works out to less than prescribed in the Annexure 4 for services mentioned in Sl. No. 8 & 10 within the contract period, the remuneration payable shall be correspondingly reduced by an amount proportionate to such reduction in man-months rates for the scope given.</p> <p>Owner to confirm if the work is not completed within the specified time as per NIT due to no fault of the Consultant, whether additional man-months, if required for completion of</p> | If the work is not completed within the specified time as per NIT due to no fault of the consultant, the man-month rate would be increased. The quantum of increase would be mutually discussed and agreed upon at an appropriate time. However, the man-month rate to be consumed beyond schedule contractual period would be increased at the rate of seven (7) percent per annum. |

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| | | | project work in excess of 45 m-m for Construction Manager and 230 m-m for Resident Engineers would be considered for payment at mutually agreed escalated man-month rates. | |
| 16. | Form – 8 | Schedule of Price Bid | It may kindly be clarified whether the respective lumpsum fees should include estimated cost of visits also. From our experience we suggest that such cost of visits may be reimbursed at actual by the Owner against monthly Invoices which will finally prove to be substantially cost effective, for the Project Owner. | As per Bid Document. |
| 17. | Form -8; Annexure 4. Pg No. 61 | Deployment Schedule format for Field Services | Deployment Schedule format for Field Services is indicated as 45 man-months From the Tender document, it appears that man-months for Construction Manager would be 45 and for Resident Engineers would be 230. However payment terms as indicated in Form-8, Annexure 1 to 3 has not been indicated in Annexure 4. It is assumed that payment under Sl. No. 8 for site Supervision Services would be made on monthly basis based on the actual deployment of man-months in the preceding month at man-month rate to be quoted by the Bidder. Owner to confirm. | Noted. However the payment shall be made as per Clause 10 sub clause 10.5 on Page no. 32 of Bid Document. |
| 18. | Clause | Site Supervision Services during | On completion of construction/erection, Commissioning | Clause is self-explanatory. |

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|--|----------------------------------|--|---|---|
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| | 2.6.2 No.21 Page No: 19 | construction, erection, testing and Commissioning aspects: | <p>Engineers specialized in Plant Commissioning activities will be deployed to monitor and supervise pre commissioning checks and commissioning of plant, under the control of the Construction Manager.</p> <p>Owner to confirm commissioning engineers from all the branches will be required or only Sr. Commissioning Engineer (Mech) and Electrical Commissioning engineer will be needed for plant commissioning, under control of Construction Manager within 275 man-months (45+ 230).</p> | |
| 19. | Clause 2.1 (1) on Page 7 | | Feasibility of transmission & grid connectivity, coal transportation study will be provided to us by TVNL. | <p>Location of the power evacuation point will be intimated by TVNL. However design of power evacuation system including switchyard shall be within the scope of the Bidder.</p> <p>Coal is being provided by rail through our MGR system to TTPS Track Hopper. Beyond that Consultant has to suggest whether TTPS existing coal handling system is compliant to the need of Extension Project (2x660 MW) or it</p> |

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|--|--------------------------|--------|--|--|
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| | | | | will require a new CHP. |
| 20. | Clause 2.1 (4) on Page 7 | | Area for carrying out the Topographical survey may be given. The quantity of fill material will be given to us, however the source of fill material will be given by Client. | Area of Topographical survey shall be about 700 acres. Noted. |
| 21. | Clause 2.1 (7) on Page 7 | | Survey of cement plants, road projects, brick manufactures etc will be provided by client. | Ash utilisation plan shall be submitted by the Consultant. However, survey of cement plants. Road projects, Brick manufacturers etc will be done by TVNL. Consultant shall provide necessary assistance to TVNL. |
| 22. | Clause 2.3 (1) on Page 8 | | Area for carrying out the Topographical survey may be given. The contour level (1m/5m/10m) may also be indicated. | Area of Topographical survey shall be about 700 acres. The contour interval of Topographical survey shall be 1m. |

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|--|----------------------------|--------|--|--|
| Sl. No. | Clause reference no. | Clause | Description of Queries | Reply/Clarifications |
| 23. | Clause 2.3 (2) on Page 8 | | Geo Technical Investigation – The number of bore-holes and there location may be provided. The Geo-Technical Investigation will be in the EPC Contractors scope based on which the design shall be carried out. | Preliminary Geo-Technical investigation shall be carried out initially by the Consultant for incorporating in Technical specification of Bid Document for EPC Contract. Consultant need to define the exact requirement of technical needs for Geo-Technical study for EPC Contractor. |
| 24. | Clause 2.3 (4) on Page 8 | | Intake Study – Intake is from the existing dam, Water availability study will be in Clients scope. | Quantity of water required to be studied by the Consultant. Allocation of water is in the scope of TVNL. |
| 25. | Clause 2.3 (5) on Page 8 | | Obtaining clearances / permits / liasoning etc. is in TVNL scope. Any assistance required for technical details will be provided by us | Clause is self-explanatory. |
| 26. | Clause 2.4 (18) on Page 10 | | Budgetary offers, if required, will be arranged by Client. | Clause is self-explanatory. |
| 27. | Clause 2.4 (23) on Page 10 | | Meeting – The number of Man visits will be given separately and will be charged on Man-Visit and Man-day basis. | Bidder should make their own assessment as per Bid Document. Also refer our reply against sl no-8. |

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|--|------------------------------------|--------|--|--|
| Sl. No. | Clause reference no. | Clause | Description of Queries | Reply/Clarifications |
| 28. | Clause 2.6.1 (20) on Page 16 | | The number of Man visits / Man days may please be specified for each meeting i.e. Pre-bid meeting, Bid evaluation Meeting. Techno commercial discussions, price negotiation meetings, engineering review meetings, coordination meetings and other meetings. | Please refer our reply against sl no-27. |
| 29. | Clause 2.6.2 on Page 17 & Form 8 | | Schedule of Price Bid on Pages 55 & 56 – Site supervision – The following man months will be considered as given in the Price schedule: (i) Construction Manager – 45 Man Months, (ii) Construction and Commissioning Engineers – 230 Man Months | Clause is self-explanatory. |
| 30. | Clause 2.6.3 on Page 19 and Form 8 | | Schedule of Price Bid on Page 56 – Inspection Services – 360 Man trips shall be of 2 man days each. | As per Bid Document. |
| 31. | Clause 2.6.3 (5) on Page 19 | | Posting of Inspector at works is also considered to be included in the 360 Man trips of 2 Man days each. No separate inspector will be posted for inspection at works. | As per Bid Document. |
| 32. | Clause 2.6.4 on Page 21 | | Schedule of Price Bid on Page 56 – Project Management Services – The Man Months considered for Project management Services shall be given in Price Schedule: | Clause is self-explanatory. |

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|--|--------------------------------|--|---|--|
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| | and Form 8 | | (i) Sr Project Manager – 45 Man months, (ii) Project Manager – 45 Man Months | |
| 33. | Clause 10.0 on Page 31 | | Terms of Payment We request that payment terms may be revised to include: (i) Advance payment – for all items, (ii) Pro-rata payment for TEFR, EIA/EMP and DPR (iii) Total payment shall be made upon commissioning of Unit-II. (After expiry of one year from commissioning of Unit II may please be deleted.) | As per Bid Document. |
| 34. | Form 8 – Annexure 4 on Page 61 | | The complete contract period is for 60 months (period of engagement – page 24): The deployment schedule at site shall be 45 months taking into consideration the following positions (as per Form 8 – Schedule of Price Bid on pages 55 & 56): (i) Construction Manager – 45 Man Months (ii) Construction / Commissioning Engineers – 230 Man Months | Clause is self-explanatory. |
| 35. | Clause 5.3 on Page 25 | | Qualifying Requirements – we request you to dilute the requirement of average annual turnover for the last three years to Rs. 30 Crores instead of Rs. 50 Crores. | Please refer to the Corrigendum / Addendum No – 01 |
| 36. | Clause No. 5.0 Qualificati | The Bidder should have been in the field of providing Engineering Consultancy Services including | Suggested Clause: The Bidder should have been in the field of providing consultancy Services including Selection Developer/EPC | As per Bid Document. |

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|--|------------------------------------|--|--|----------------------|
| Sl. No. | Clause reference no. | Clause | Description of Queries | Reply/Clarifications |
| | on Criteria Point No. 5.1 | Selection of EPC Contractor (Scope including preparation of tender specification , tender evaluation, preparation/review of design and engineering documents, supervision during erection, testing and commissioning of Thermal Power Plant) at least for the last 05 (five) years as on date of bid submission. | including of Contractor (Scope including preparation of tender specification, tender evaluation, preparation/ review of design and engineering documents, supervision. during erection of Thermal Power Plant) at least for the last 10 (ten) years as on date of bid submission. Justification: <ol style="list-style-type: none"> 1. The selection of the Developer is similar to Selection of EPC Contractor. Only the terminology is different. Therefore experience of selection of Developer shall also be considered. 2. The experience of the consultant should be considered for the last 10 years as this will ensure an experienced player (Consultant) in the Power sector who has extensively worked for selection of Developer /EPC Contractor for supported the Power Generation Companies for similar assignments. This will ensure a quality player for participating in the bidding process | |
| 37. | Point No. 5.2 | 5.2 (a) The Bidder should have proven experience of providing Engineering Consultancy Services including selection of EPC Contractor (Scope including preparation of tender specification, tender | Suggested Clause: (b) The Bidder should have proven experience of providing consultancy Services including Selection of EPC, Contractor/Developer (Scope including preparation of tender specification, tender evaluation, preparation/ review of design and engineering documents, supervision during erection of | As per Bid Document. |

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|--|----------------------|--|--|----------------------|
| Sl. No. | Clause reference no. | Clause | Description of Queries | Reply/Clarifications |
| | | <p>evaluation, preparation/ review of design and engineering documents, supervision during erection, testing and commissioning of Thermal Power Plant) for at least 1 (one) coal based Super Critical Unit of Capacity not less than 660MW and which should have been in successful operation for at least one year.</p> <p>OR</p> <p>5.2 (b) The Bidder should have proven experience of providing Engineering Consultancy Services including Selection of EPC Contractor (Scope including preparation of tender specification, tender evaluation, preparation/review of design and engineering documents, supervision during erection, testing and commissioning of Thermal Power Plant) for at least 2 (two) Coal based Sub Critical Units of capacity not less</p> | <p>Thermal Power Plant) for at least 1 (one) Coal based Sub Critical Units of capacity not less than 500 MW.</p> <p>Justification: In some of the projects the role of consultant is limited till appointment of Developer/EPC Contractor. However, the experience of having conducted the bidding process for selection of Developer/EPC Contractor should also be considered as this will result in maximum participation and a level playing field for the participation. This will enable maximum participation and give best value to TVNL Department.</p> | |

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|---|--------------------------------|---|--|--|
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| | | than 500 MW and which should have been in successful operation for at least one year. | | |
| 38. | Point No. 5.3 Tender | The Bidder should have average annual turnover of at least Rs. 50 Crores in last 03 (three) financial years ending on 31st March 2016. | <p>Suggested Clause: Should have the average annual financial turnover at least Rs. 20 Crores in the last 03 (three) financial years ending on 31st March 2016.</p> <p>Justification: Department of Economic Affairs, Ministry of Finance has formulated detailed guidelines for selection of Transaction Advisor or Consultant wherein it has benchmarked the turnover at Rs 20 crores. Rs. 20 Crores is a reasonable threshold to ensure a fair participation resulting into a competitive bid. In light of the above, we request you to kindly relax the criteria to Rs. 20 Crores as this can also be in line with the financial criteria of Department of Economic Affairs in selection of consultants or Transaction Advisor.</p> | Please refer our reply against sl no-35. |
| 39. | Cl no- 2.5.2, sl no-6, Page-11 | Preparation of Tender drawings (to be included as part of the TS): The drawings shall broadly include the following: General Arrangement (GA) drawings, | Conceptual plot plan/GA drawings/ Architectural drawings shall be provided which are required for bid purpose and prepare the specification. | Agreed. |

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|--|----------------------------------|--|--|--|
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| | | Architectural drawings (plans, sections) for Major buildings / structures / facilities, Plot Plan, Layout drawing, Roads, drains & culvert drawings, terracing drawing, etc. | | |
| 40. | Cl no-2.3 sl no-2, Page-8 | Carrying out Geo-technical investigation | Preliminary Geo-Technical Investigation shall be carried out initially for incorporating in Technical Specification. | Please refer our reply against sl no-23. |
| 41. | Cl no-2.5.1, sl no-6, Page-12 | Schematic control wiring and interlock schemes and protection | Relevant drawings shall be provided which are required for bid purpose and the specification. However, detail systematic control wiring diagrams shall be provided by the EPC Contractors based on their standard design practice during the detail engineering stage and consultant shall review the same. | Agreed |
| 42. | Cl no-2.5.1, sl no-6, Page-12 | Single line diagrams (SLDs) for HV, MV, LV,UPS and DC systems, indicating thereon - primary equipment ratings, relaying and instrumentation, protection single line, diagram for Communication, system block diagram, Generator, GT, ICT, ST, IBT,UT and UAT, Energy Management Scheme, ABT metering scheme, FDA system block diagram, Construction Power Supply – SLD, A1 | Main key SLD covering the major equipment's and switch Boards which shall suit for Bid purpose and the specification shall be provided. Usually EPC Contractor submits the detailed SLD with protection for all the electrical systems during detail engineering stage and consultant shall review the same. | Agreed. |

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|--|----------------------------|---|--|---|
| Sl. No. | Clause reference no. | Clause | Description of Queries | Reply/Clarifications |
| 43. | Cl no-2.1, sl no-7, Page-7 | Ash Utilization Plan as per requirement of MoEFCC Guidelines including survey of cement plants, road projects, brick manufacturers etc, where ash could be utilized | Ash utilisation plan will be submitted. Normally, surveying of cement plant, road projects, brick manufacturers for tie up shall be done by owner, request to be taken up by TVNL. | Please refer our reply against sl no-21. |
| 44. | Cl no-2.1, sl no-7 page-7 | Obtaining a Mineral map of the proposed site (including soil type) and information (if available) that the site is not located on economically feasible mineable mineral deposit. | This is normally not be part of consultancy services and it may require mining consultant as well. Hence request to review. | Mineral map not required. |
| 45. | Cl no-2.4, sl no-9 page-9 | Coal handling system including storage, transportation, preparation and handling in the plant area. | If coal to be transported through rail, then feasibility and study of railway line for preparation of FR, DPR and estimation shall be done by railway consultant as per the railway requirements. Also, addition of new lines, realignment of existing rail lines inside plant if required, shall be done by railway consultant. Request our scope shall be from receipt of coal in railway siding and remaining shall be taken up by owner. Please confirm. | Coal is being provided by rail through our MGR system to TTPS Track Hopper. Beyond that Consultant has to suggest whether TTPS existing coal handling system is compliant to the need of Extension Project (2x660 MW) or it will require a new CHP. |