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| BIDDING DOCUMENT REFERENCE NO. | : | MKK/B988-101-MK-T-9501/1 |
| NAME OF WORK | : | MICROTUNNELING WORKS |
| OIL e-Tender no.: | : | EIL1672P27 |

REPLIES TO PRE-BID QUERIES

| Sl. No. | BIDDING DOCUMENT | | | SUBJECT | BIDDER'S QUERY | OWNER'S REPLY |
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| | Part / VOL. | Page No. | Clause No. | | | |
| 1 | Special Conditions of Contract | 123 | Clause 10.0 (I) | Clarification on free issue materials | <p>The clause mentions that the Owner shall supply free issue materials for permanent works amounting to INR 2.10 Crores (Group-I) and INR 1.90 Crores (Group-II). However, the specific list of materials is not detailed. We request you to kindly provide a comprehensive list of materials proposed to be supplied under this provision.</p> <p>Further, on Page No. 610, line pipes with 3-layer polyethylene coating and LR bends are mentioned. In this regard, we seek clarification on whether any additional materials, apart from these items, are included under the Owner's scope of supply.</p> | <p>OIL (Owner) shall supply 3LPE Coated Line pipes and 90° 6D LR bends. No material other than those listed above shall be supplied by OIL. Please refer Cl. No. 4.1 of Scope of Work (Doc. No. B988-101-83-44-SOW-9501) attached with bid document. Bidder shall comply with tender document.</p> <p>Estimated cost of Free issue materials is for the purpose of Insurance in line with the provisions of SCC.</p> |
| 2 | Special Conditions of Contract | 144 | Clause 52.1 | | <p>The clause refers to underground and overhead structures but does not clearly define responsibility for providing adequate working space for shaft construction. Kindly clarify whether the Owner will ensure:</p> <p>(A) Minimum 40 m radius working area from shaft center,</p> | <p>This requirement has to be verified by Bidder before submission of offer and the same is in Bidder's scope.</p> <p>Owner will arrange in-principle approval from statutory authorities for installation of</p> |

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| | | | | | (B) Minimum 20 m clearance from underground utilities, (C) Adequate clearance from overhead electrical lines | pipeline segment across the rivers. The responsibility of the Owner is limited to providing in-principle approval only. Further responsibility for obtaining all other necessary approvals shall lie with the bidder in line with Clause no 3.17 of SOW (B988-101-83-44-SOW-9501 REV D) or any other provisions as provided in the Tender document. |
| 3 | Special Conditions of Contract | 613 | Clause 5.2 | The Right of Way (RoW) | It is indicated as approximately 18 m, and the pipeline is to be laid with a 5 m clear distance from the existing pipeline. Considering these constraints, the available space appears insufficient for the safe and practical construction of launching and receiving shafts, particularly under prevailing soil conditions. | Bidder shall make necessary arrangement for placing the shaft in the existing ROW/ROU. However, additional land acquisition for shaft, if required, shall be done by Owner post award of Contract. |
| 4 | Schedule of Rates | 539 to 585 | | | Wherein approximately 10 items are indicated under each part with lump sum rates. The relevant item codes include: 01CT MD0.1, 0111.1006, MB01 to MB06, 01PP.53.1, 015M.MA1.1, and 015M.MA1.5. In this regard, we request your kind clarification on the following: | For Item No. 01CT MD0.1 , Bidder to follow Section no. 2.0 of Scope of work document for CP system (B988-101-06-45-CSW-9501, R5) to arrive at lumpsum price for the CP system. |

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| | | | | <p>A. The methodology and basis adopted for arriving at these lump sum rates.</p> <p>B. Whether it would be acceptable for the Contractor to submit detailed rate analysis for these items during the execution stage, based on actuals.</p> | <p>For each Item No. 0111.1006. MB01 to MB03, the activity involves preparation of OFC alignment sheet, as-built drawings, OFC & HDPE duct datasheet, Datasheets for jointing closure, jointing pits and other OFC installation accessories as per the tender specification. Bidder shall comply with tender document.</p> <p>For each Item No. 0111.1006. MB04 to MB06, bidder to refer clause 4.3.3 of the document B988-101-16-51-SP-80 attached to the tender. Bidder shall comply with tender document.</p> <p>For Item No. 01PP.53.1, the activity involves preparation of high-resolution video films using drones or equivalent equipment (for minimum 1 hr.) with audio commentary and industrial photography covering all aspects / activities of pipeline construction. Refer description of SOR item for further details. Bidder shall quote accordingly. Bidder shall comply with tender document.</p> |
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| | | | | | <p>For Item No. 01SM.MA1.1, the activity involves Mobilisation/ Demobilisation of pigging tools, tackles, consumables, accessories and personnel by Contractor at work site including but not limited to magnet pigs, electronic geometry pigs and pig tracking device, temporary launcher and receiver as per Specification and other provision of the bid document including supply of material, equipment, manpower, etc. as required for geometry inspection and magnet cleaning in accordance with the EIL Specification B988-000-06-41-EGP-0001:</p> <p>A) Mobilisation, B) Demobilisation</p> <p>NOTE: Lumpsum charge is applicable for Mobilization and Demobilization charge only, and not for the entire Magnetic Cleaning and EGP charge. Bidder shall quote accordingly and shall comply with bid requirements.</p> <p>For Item No. 01SM.MA1.5, the activity involves Preparation of final work report as per agreed format and submission to Client /Client's</p> |
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| | | | | | | Consultant in total of 4 copies. Bidder shall quote accordingly and shall comply with bid requirements. |
| 5 | Site Inspection | | | Site Observations | <p>Group – I</p> <ul style="list-style-type: none"> • Gangiya – (Part – A) Change on crossing position from U/S to D/S due to approach road The approach road on receiving side will be built along the ROW as the distance from main road is 2.5km approx. • Chel – (Part – B) On Launching side – 11kv post & line to be shifted. Require Railway Permission. | <p>Bidder shall carry out survey of existing RoU / RoW and mark position of shafts for approval by OIL / EIL.</p> <p>Suitable temporary approach road(s) for mobilisation and construction activities shall be constructed by Bidder including obtaining permission from Statutory authorities, land owner etc.</p> <p>Bidder shall comply with tender document.</p> <p>Note: Owner shall take up with concerned authorities for overground/overhead structures across OIL's ROW/ROU.</p> <p>Further responsibility for obtaining all other necessary approvals shall lie with the bidder in line with Clause no 3.17 of SOW(B988-101-83-44-SOW-9501 REV D) or any other provisions as provided in the Tender document.</p> |

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| 6 | Site Inspection | | Site Observations | <p>Group – II</p> <ul style="list-style-type: none"> • Lish – (Part – C) The approach road on receiving side should be constructed over river bed. • Mahananda - (Part – D) Railway permission required and additional permission for construction of approach road on railway land Oil India permanent building should be demolished on the receiving side. Forest permission required to cut the trees on receiving side. The approach road of launching shaft to be made along the ROU | <p>For Lish River, Suitable temporary approach road(s) for mobilisation and construction activities shall be constructed by Bidder including obtaining permission from Statutory authorities, land owner etc. Bidder shall comply with tender document.</p> <p>For Mahananda-I River, Owner will arrange in-principle approval from statutory authorities for installation of pipeline segment across the river. The responsibility of the Owner is limited to providing in-principle approvals only. Further responsibility for obtaining all other necessary approvals shall lie with the bidder in line with Clause no 3.17 of SOW (B988-101-83-44-SOW-9501 REV D) or any other provisions as provided in the Tender document.</p> <p>Suitable temporary approach road(s) for mobilisation and construction activities shall be constructed by Bidder including obtaining permission from Statutory authorities, land owner etc.</p> |
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| | | | | | | For demolition of existing permanent building (belonging to OIL), refer SOR Item for "DEMOLISHING AND DISMANTLING" available in the SOR. Bidder shall comply with tender document. |
| 7 | SCC | 119 | 8.2 | PRS | As per Clause No. 8.2, PRS is defined as 0.5% per week of total Contract Value, subject to a maximum of 7.5%. We request you to kindly revise the maximum PRS limit to 5% of the Contract Value instead of 7.5%. | Not acceptable. Bidder to follow the provisions of Tender document. |
| 8 | SCC | 121 | 10 (g) | FREE ISSUE MATERIALS | As per Clause No. 10(g), it is stated that no compensation shall be payable in case of delay in supply of Free Issue Materials (FIM) by the Client/Owner. In the event of delay in supply of FIM by the Client/Owner, kindly clarify: • Whether the Contractor shall be entitled to Extension of Time (EOT) without imposition of Liquidated Damages. How the impact of such delay on resource idling and project schedule shall be addressed. | Timely issuance of Free issue materials as stated above (Sl. No. 1) shall be done. |

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| 9 | SCC | 156 | 80 | ROU/ROW CLAUSE | As per site visit observations, it is understood that OIL and Railway ROU are overlapping / mixed in certain stretches. Additionally, approach roads are not available at some crossings, and the same may need to be developed within the ROU. Kindly clarify who shall be responsible for development of approach roads within ROU / ROW and who will bear the associated cost. | As already stated in above points, the same shall be in Bidder's scope. |
| 10 | ANNEX-VII TO SCC | 213 | 1.1 | ON ACCOUNT PAYMENTS | Kindly consider revising the following payment terms: <ul style="list-style-type: none"> • On installation of carrier pipeline, HDPE ducts, MMO wire anode carrying ducts for CP, including supports inside jacking pipe: 15% (instead of 8%) • On blowing of OFC, gauging of pipeline, NDT, post-installation hydro-testing, dewatering, and swabbing: 5% (instead of 7%) • On completion of all works in all respects and issuance of Completion Certificate: 5% (instead of 10%) <p>Note: Rest of the payment terms shall remain unchanged.</p> | Change in Payment terms is not acceptable. Bidder to follow the provisions of Tender document. |

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| 11 | SOW | 617 | 5.16 | LAISING COORDINATION | <p>As per Clause No. 5.1C, all types of payments/compensation to Authorities/ Local Bodies are to be borne by the Contractor at no extra cost, along with obtaining necessary permissions prior to commencement of work.</p> <p>Kindly confirm whether principal approvals from major authorities (such as Railway, WRD, Forest Department, Electricity Board, etc.) have already been obtained by the Client/Owner, or the same shall be entirely in the Contractor's scope.</p> | <p>Owner will arrange in-principle approval from statutory authorities for installation of pipeline segment across the rivers. The responsibility of the Owner is limited to providing in-principle approvals only. Further responsibility for obtaining all other necessary approvals shall lie with the bidder in line with Clause no 3.17 of SOW (B988-101-83-44-SOW-9501 REV D) or any other provisions as provided in the Tender document.</p> <p>Regarding the status of in-principle approval, OIL will intimate the same to the successful Bidder post award.</p> |
| 12 | Part-1 (Commercial) | 08 of 1701 | 1.0 | <p>INTRODUCTION: It is proposed to install the pipeline using "Microtunneling Technique and Pipe Jacking Method" with minimum tunnel inner diameter (ID) of 1600 mm</p> | <p>Considering that only two carrier pipes (14" and 16") are to be installed in Part-D, i.e., across the Mahananda-I river crossing, we request you to kindly propose a minimum tunnel inner diameter of 1200 mm for Part-D only.</p> | <p>Tender conditions prevail. Bidder shall comply with the tender document.</p> |

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| 13 | Part-2 (Technical Section) | 1416 of 1701 | 2.0 | <p>Scope of Work For CP System "Additionally, Zinc ribbon anodes (as per ASTM B418 type II) shall be thermit connected to the outer surface of the bottom of the carrier pipes extending upto 4 and 8 O' clock positions in certain interval for a design life of 10 years."</p> | <p>Based on our experience of working within tunnels and confined spaces, we would like to highlight that man entry is required for the installation of ribbon anodes throughout the tunnel. This activity involves a very high risk to manpower due to the confined working conditions.</p> <p>Further, there is a significant risk that the ribbon anode may dislodge and fall within the tunnel, potentially obstructing or choking the wheels of the carrier pipe supports during installation.</p> <p>Additionally, ribbon anodes installed at the 4 and 8 o'clock positions are susceptible to damage during pipe pushing operations.</p> <p>In view of the above risks and practical challenges, we propose that sufficient anodes, as required for effective corrosion protection of the pipelines, be installed within the shaft and ground locations instead of inside the tunnel. This approach will enhance safety, reduce installation risks, and ensure the integrity of both the pipeline and cathodic protection system.</p> <p>Alternatively, minimum tunnel diameter may be increased to 2000mm (1600mm in case of Part D), to allow for safe working of</p> | <p>Zinc ribbon anodes to be thermit connected to the outer surface of the bottom of the carrier pipes extending upto 4 and 8 O' clock positions in certain interval. After installing this zinc anode, pipes will be pushed into the tunnel.</p> <p>Moreover, provision of computer aided modelling has been kept in the tender. Position and quantity / dimension of Zinc ribbon anode to be decided based on the simulation results.</p> <p>Bidder shall comply with the tender document.</p> |
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| | | | | | manpower inside confined tunnel space. And ribbon anodes position may be changed to 3 and 9 o'clock. | |
| 14 | ANNEX-VII TO SCC | 213 | 1.1 | ON PAYMENTS ACCOUNT | <p>05% on submission and approval of drawings.</p> <p>05% on all type of pre-construction survey required for Design & calculation.</p> <p>15% on construction of launching and receiving shaft.</p> <p>10% on Mobilization and placement of Micro-tunneling equipment along with all accessories and consumables at site.</p> <p>30% on Supply and Installation of Jacking Pipe at site location.</p> <p>05% on Carrier Pipe pre-installation hydro testing / repair.</p> <p>08% on Installation of carrier pipeline & HDPE ducts, MMO wire anode carrying ducts for CP, including provision of supports inside jacking pipe.</p> <p>07% on Blowing of OFC, gauging of pipeline, NDT, Post installation hydro-testing, dewatering and swabbing.</p> <p>05% on capping of jacking pipe, backfilling, final clean-up & restoration, disposal of drilling fluid and waste, and acceptance by Owner.</p> | Change in Payment terms is not acceptable. Bidder to follow the provisions of Tender document. |

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| | | | | <p>10% on completion of all works and issuance of completion certificate.</p> <p>Proposed Amendment: 05% on submission and approval of drawings. 05% on all type of pre-construction survey required for Design & calculation. 20% on construction of launching and receiving shaft. 10% on Mobilization and placement of Micro-tunneling equipment along with all accessories and consumables at site. 25% on Supply and Installation of Jacking Pipe at site location. 05% on Carrier Pipe pre-installation hydro testing / repair. 10% on Installation of carrier pipeline & HDPE ducts, MMO wire anode carrying ducts for CP, including provision of supports inside jacking pipe.</p> <p>05% on Blowing of OFC, gauging of pipeline, NDT, Post installation hydro-testing, dewatering and swabbing. 05% on capping of jacking pipe, backfilling, final clean-up & restoration, disposal of</p> | |
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| | | | | <p>drilling fluid and waste, and acceptance by Owner.</p> <p>10% on completion of all works and issuance of completion certificate.</p> <p>Justification:</p> <p>Launching & receiving shaft construction involves high initial cost and critical execution risk, hence requires higher weightage.</p> <p>Redistribution improves cash flow alignment with actual expenditure pattern in microtunneling works.</p> <p>Enhanced allocation for carrier pipeline installation reflects technical complexity and criticality.</p> <p>Overall restructuring ensures financial feasibility and smooth execution, without altering total contract value.</p> <p>We kindly request you to review and consider the above amendment for equitable payment distribution.</p> | |
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