

OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliajan – 786602, Assam, India
Website: www.oil-india.com

Corrigendum No. 1 to IFB No. CPG0898P19

**SCADA & APPS SYSTEM of BAGHJAN – MADHUBAN PIPELINE PROJECT
OF M/s OIL INDIA LTD.**

1. This Corrigendum is issued to notify as under:-
 - a) This Corrigendum is issued to notify extension of the Bid Closing/ Technical Bid Opening date as under:-
 - i) Bid Closing Date & Time** : 08.05.2019, 11:00 hrs. IST.
 - ii) Technical Bid Opening Date & Time** : 08.05.2019, 14:00 hrs. IST.
 - iii) Last Date for Online- Registration** : 01.05.2019, 15:30 hrs. IST.
 - b) Existing terms & conditions, specifications and schedules shall stand modified to the extent indicated here below under column “Modified Provisions” of **Annexure- I**
 - c) In view of queries received from bidders in matter corresponding to technical SOW, the final OIL/Consultant’s responses to the queries are generated. All the bidders are requested to refer to **Annexure- II** attached herewith.
 - d) Price schedule of Spared for 2 years is attached as **Annexure- III**
2. All other terms and conditions of the tender remain unaltered.
3. Bidder to submit this Corrigendum No. 01 along with **Annexure – I, II & III** duly signed & stamped in all pages as token of acceptance and shall upload this document in the un-priced folder of the e- bid.
4. All the prospective bidders are requested to regularly visit OIL’s website: www.oil-india.com and e-procurement portal <https://etender.srm.oilindia.in/irj/portal> for further announcements/latest information related to this tender.

ANNEXURE -I

BIDDING DOCUMENT NO. : CPG0898P19

SUBJET OF BIDDING DOCUMENT : SCADA & APPS SYSTEM FOR BAGHJAN – MADHUBAN PIPELINE PROJECT OF M/s OIL INDIA LTD.)

The terms and conditions of the Bidding Document stands modified to the extent indicated below and all other terms and conditions of the Bidding Document remains unaltered:

| Sn. No. | Volume of Bidding Document | Section | Page No. | Clause No. | Clause Description | Additions / Deletions / Modifications |
|----------------|-----------------------------------|---|-----------------|------------------------------------|--|---|
| 1. | Vol I | Forwarding letter | 1 | 3.4 & 3.5 | Bid Closing Date & Time | Bid Closing Date & Time stands modified as 08.05.2019 at 11:00 Hrs Technical Bid Opening Date & Time stands modified as 08.05.2019 at 14:00 Hrs |
| 2. | Vol-I | Section-II, Part III of Volume I- ANNEXURE TO SCC | 92 of 148 | ANNEXUR E- II A- SCHEDULE OF RATES | C.PRICE SCHEDULE FOR 2 YEARS SPARES – FOREIGN BIDDER D. PRICE SCHEDULE FOR 2 YEARS SPARES – INDIAN BIDDER | The Price schedule for 2 years spares has been added to the SOR as uploaded with tender and the same is enclosed as Annexure-III to this corrigendum. Bidder is requested to submit their Price schedule as per the Format. However, this price shall not be considered for bid evaluation. |
| 3. | - | - | - | - | Replies to Pre-Bid Queries | The replies to pre-bid queries have been attached herewith. |

| | | | | | | |
|----|--------|--|---------------|------------------------------|-----------------------------------|--|
| 4. | Vol II | Technical specification (SCADA system) | 8 of 24 | Clause no 3.0, 6.1, 6.2, 6.3 | Scope of work, Installation scope | <p>Please note that at exiting DT (Baghjan) and RT (Madhuban) will have exiting control room. At DT cables in /out for control room (Porta cabin) necessary opening and the MCT block for the cable entry and tray for cable dressing/laying has to be considered for the cables from TIC/inst/other panel to RTU panel. At RT, for cables from TIC/inst panel/other panel to RTU through cable tray has to be laid. AT SV for cables from TIC/Inst panel/other panel; MCT and cable tray has to be considered.</p> <p>For DT & RT; in existing RTU; making holes in existing Gland plate has to be considered for cable entry as per requirement.</p> |
| 5. | | PJS | 5 of 21 | Clause xiii | APPS system | Interfacing of Data from SCADA to APPS shall be done and alarm shall be view at SCADA MCS and RWS. Refer TS of APPS system. |
| 6. | | PJS | 5 of 21 | Clause xiv | Radio Tower | For the aviation light cables, antenna cables necessary tray and ladder as required shall be provided. However cables and laying & termination will be done by client. |
| 7. | | PJS | 18 & 20 of 21 | Clause no 8.0 & 9.0 | Warranty & PWMC | <p>Following clauses added for the warranty & PWMC clauses:</p> <ol style="list-style-type: none"> i. In PWMC, quarterly preventive maintenance of the system and other important hardware devices by the OEM to be carried out. The cleaning of the server with the blower & replacement of parts any to be done in the PWMC as applicable. ii. During post warranty AMC period, bidder has to provide engineer as per requirement. iii. Breakdown maintenance of hardware/software (not limited) & telephonic support for software & hardware. iv. The AMC for software shall include Warranty for software maintenance/modification. The AMC for software shall include modifications in configuration, tuning etc as and |

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | <p>when required by client.</p> <p>v. BILLING AND PENALTY for PWMC CHARGES:</p> <ol style="list-style-type: none"> 1. Bidder shall be responsible for 99.50% availability of the system. On daily basis, System availability i.e., On-stream factor need to be calculated for last 24Hrs. 2. 99.50% availability of the System means 100% payment for that month. 3. If availability is less than 99.50% then payment shall be applicable as mentioned below: <ol style="list-style-type: none"> i. For $\geq 95\%$ to 99.50% Availability payment: (“A/100” x monthly AMC Cost x 0.95) ii. For $\geq 90\%$ to $> 95\%$ Availability payment: (“A/100” x monthly AMC Cost x 0.90) iii. For $\geq 85\%$ to $> 90\%$ Availability payment: (“A/100” x monthly AMC Cost x 0.85) iv. For less than 85% availability – Nil payment for that month period. v. “A” is the % availability of the supplied SCADA & APPS system <p>vi. The availability clause is applicable only during the contract period and is not applicable under following conditions:</p> <ol style="list-style-type: none"> a) Any Force majeure conditions. b) Any Telecom system breakdown or power shut down which leads to system down time. c) Any Negligence and Mishandling by Operations and Maintenance by client (till the warranty, the O&M will be under vendor’s scope). |
|--|--|--|--|--|--|--|

| | | | | | | |
|----|-----------------------|-----|--------------------|-------------|-------------------------|---|
| 8. | Vol I & II | SCC | Part III; 10 of 23 | Clause 27.1 | Defect Liability | <p>Modified as :</p> <p>27. DEFECT LIABILITY PERIOD</p> <p>27.1 The CONTRACTOR shall guarantee the installation/ WORK for a period of 24 months from the date of completion of WORK as certified by the ENGINEER IN CHARGE which is indicated in the Completion Certificate. (Refer clause no 1.0 Schedule of payment Annexure – II B for further details). Any damage or defect that may arise or lie undiscovered at the time of issue of Completion Certificate, connected in any way with the equipment or materials supplied by him or in the workmanship, shall be rectified or replaced by the CONTRACTOR at his own expense as deemed necessary by the ENGINEER IN CHARGE or in default, the ENGINEER IN CHARGE may carry out such works by other work and deduct actual cost incurred towards labour, supervision and materials consumables or otherwise plus 100% towards overheads (of which the certificate of ENGINEER IN CHARGE shall be final) from any sums that may then be or at any time thereafter, become due to the CONTRACTOR or from his Contract Performance Security, or the proceeds of sale thereof or a sufficient part on thereof.</p> |
|----|-----------------------|-----|--------------------|-------------|-------------------------|---|

Note: This Corrigendum shall form an integral part of the bidding document and shall be signed/stamped and submitted along with the bid.

(STAMP & SIGNATURE OF BIDDER)

ANNEXURE-II

PRE-BID QUERIES RESPONSE MATRIX

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|--------------|--|--------------------|----------------|-------------|---|--|
| 1 | Section 2.5 of TECHNICAL SPECIFICATION APPS SYSTEM | page 64 of 120 | - | Tech. | Optimizer module for compressor station is requested, can you please confirm how many compressors are installed on this pipeline and at which location? Please also mention type of compressors? | Please note that BMPL gas pipeline is not having any compressor; hence ignore. |
| 2 | Section 3.2 of TECHNICAL SPECIFICATION APPS SYSTEM | page 65 of 120 | - | Tech. | APPS system hardware shall be installed at Main Control Station (MCS) / Backup Control Station (BCS) and also stated that Redundant APPS server setup will be provided at MCS so does this mean you are expecting total 3 servers for APPS system, 2 at MCS in redundant configuration and one at BCS, please confirm. Also indicate location of MCS and BCS? | Please note that BMPL gas pipeline is not having any Backup Control Station (BCS) at present hence ignore. APPS server (redundant) shall be provided at MCS only. Location of MCS at Madhuban RT for existing SCADA and new proposed APPS. |
| 3 | Section 3.2 of TECHNICAL SPECIFICATION APPS SYSTEM | page 65 of 120 | - | Tech. | APPS trainer system is required. Please confirm do you really need trainer system for this small pipeline? If required, please confirm how many trainees need to be trained simultaneously and also confirm do you need really dual cold standby configuration for trainer system? | APPS trainer system is required for non redundant independent Trainer system. |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|---|------------------------|---------|-------|---|--|
| 4 | Section 3.2 of TECHNICAL SPECIFICATION APPS SYSTEM | page 65 of 120 | - | Tech. | APPS user HMIs shall be provide but the number of HMIs required is not indicated, please confirm the number | One HMI & one EWS shall be provided for APPS system at MCS. |
| 5 | Section 3.2 of TECHNICAL SPECIFICATION APPS SYSTEM | pages 67 and 68 of 120 | - | Tech. | Batch tracking and batch scheduling is required, these are generally liquid pipeline functions, do you need them for gas pipelines, please confirm | Batch tracking and batch scheduling is not required however rest of the feature shall be provided as per Technical specification. |
| 6 | Section 3.4.16 of TECHNICAL SPECIFICATION APPS SYSTEM | page 77 of 120 | - | Tech. | It is stated that you need RTM servers, PM servers and Trainer servers but the number is not indicated, Please confirm how many you need? | Please refer 3.4.16 please provide Server One each at MCS only. |
| 7 | - | - | - | Tech. | Can you please provide envisaged schematic or architecture diagram for APPS? | Based on the requirement envisaged in the tender successful bidder has to prepare the system architecture during Detailed Engineering. |
| 8 | Section 7.0 of TECHNICAL SPECIFICATION APPS SYSTEM | page 81 of 120 | - | Tech. | it is stated that test run of 15 days and In Section 8.11 of TECHNICAL SPECIFICATION APPS SYSTEM (GAS PIPELINES) (MEC/05/E5/T/TS/S-94 A, Rev-0) page 82 of 120 of tender document | For the SCADA & APPS system, trial run will be 30 days (within the time schedule as define in the tender for site works) |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|---------------------------------|---------------------------------|--|-------|---|--|
| | SYSTEM | | | | it is stated that 30 days availability test again In Section 8.14.4 of TECHNICAL SPECIFICATION APPS SYSTEM (GAS PIPELINES) (MEC/05 /E5/T/TS/S-94 A, Rev-0) page 84 of 120 of tender document it is stated that test run is 7 days, please clarify all these are different or same and if they are same please confirm what is the final number of days you need for test or trail run for APPS? | |
| 9 | - | - | - | Tech. | Please confirm that the pipeline data from both ends i.e. from dispatch end as well as receipt end along with SV station is available in one OPC server of M/S. ABB for APPS integration? | Existing SCADA server (of M/s. ABB) is available at MCS control room only where APPS server also to be installed. All the data will be available/source from MCS only. |
| 10 | IFB NO. CPG0898P1 9 Part II-BEC | VI. PURCHASE PREFERENCE CLAUSE: | Purchase Preference to Micro and Small Enterprises | Comm. | Purchase preference for MSME is not applicable, kindly confirm. | Being Works Contract, Purchase preference for MSE is not applicable in present tender. |
| 11 | IFB NO. CPG0898P1 9 Part II-BEC | VI. PURCHASE PREFERENCE CLAUSE: | PURCHASE PREFERENCE LINKED WITH LOCAL CONTENT | Comm. | Kindly confirm if International bidders with more than 25% as local content (LC) can be eligible for PPLC. | As per Cl. No. 30.4 of ITB, PPLC is applicable with 25% or more local content, when the bidder submits all the relevant undertakings/documents applicable for this policy. |
| 12 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | 2.5 Services | Look ahead Module including Survival Analysis | Tech. | Kindly explain the requirement of Look ahead module including survival analysis in detail | Refer TS clause no 3.4.13, 3.4.14, 3.4.15; all are define categorically and the result expected |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|-------------------------------|--------------|---|-------|--|--|
| | | | | | | through these modules. |
| 13 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | 2.5 Services | Predictive Module having Contingency Analysis | Tech. | Kindly explain the requirement of Predictive Module having contingency analysis in detail | Refer TS clause 3.4.15; it defines categorically the result expected through this modules. |
| 14 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | - | Pumping Stations | Tech. | Kindly provide the details of pumping stations between inlet and outlet with location | Please note that for BMPL gas pipeline not having any pumping station; hence ignore. |
| 15 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | - | Shut down Valves | Tech. | Kindly confirm the amount of shut-down valves between inlet and outlet of the pipeline segments with location. | Please note that for BMPL gas pipeline One Sectionalising valve station (SV) in between RT & DT (refer pipeline schematics). Check metering cum pressure reduction skid will have shutdown valve at each stations (refer P&IDs). |
| 16 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | - | Check Valves | Tech. | Are check valves (non-return valves) applied, if yes, please provide the location. | Refer Check metering cum pressure reduction skid and P&ID for any details. |
| 17 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | - | Control Valves | Tech. | Kindly confirm if pressure control valves are applied. If Yes, please provide location. | Refer Check metering cum pressure reduction skid and P&ID for any details. |
| 18 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | - | General | Tech. | Kindly confirm if the pipeline is unidirectional or bidirectional? | Unidirectional |
| 19 | MEC/05/E5 | - | General: Pipeline data | Tech. | Kindly confirm if the pipeline is | Refer pipeline schematics; |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|-------------------------------|-------------|------------------------------|-------|--|---|
| | /T/TS/S-94 A, Rev-0 | | | | underground, above ground, along with segment details | all the details are available. Pipeline is underground except at terminals/stations as indicated. |
| 20 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | - | DRA used | Tech. | Kindly confirm if Drag Reduction Agent (DRA) is used | Refer Technical specification for details of requirement. |
| 21 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | - | Instrumentation Data | Tech. | Kindly confirm that the flow meters, pressure transmitters and temperature transmitters are present at the inlet and outlet of the pipeline also provide the accuracy of the installed instruments. | Refer Check metering cum pressure reduction skid and P&ID for any details. |
| 22 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | - | General | Tech. | Kindly confirm the data refresh rate of F, P and T readings. | Refer information of SCADA as provide in tender. Actual inputs will be provided to successful bidder during detailed engineering. |
| 23 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | - | General | Tech. | Kindly confirm if the data is time-stamped (using GPS time synchronization) | SCADA data will be time synchronised and stamped. |
| 24 | MEC/05/E5 /T/TS/S-94 A, Rev-0 | - | General | Tech. | Please include a drawing of the pipeline that indicates items as; height profile, position of inlet(s) and outlet(s), position of instrumentation (Flow, Pressure, Temperature), position of intermediate (shutdown) valve stations, position of intermediate (booster) pumping stations, etc. | Refer Check metering cum pressure reduction skid and P&ID for any details. |
| 25 | MEC/05/E5 /T/TS/S-94 | - | Sampling Rate of Instruments | Tech. | Please provide how big is the sampling rate of all transmitters? | Refer Check metering cum pressure reduction |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|------------------------------|-------------|--|-------|---|---|
| | A, Rev-0 | | | | | skid and P&ID for any details. |
| 26 | MEC/05/E5/T/TS/S-94 A, Rev-0 | - | Ground Temp Sensor | Tech. | Ground Temperature sensor shall be needed at the inlet location to improve system performance, please confirm if the same is available or the provision can be made to install the same. In addition it is requested to provide soil properties and site ambient conditions | Refer Check metering cum pressure reduction skid and P&ID for any details Any further details will be shared with successful bidder only. |
| 27 | MEC/05/E5/T/TS/S-94 A, Rev-0 | - | Redundant Servers | Tech. | Kindly Confirm the control room location (MCS/Back up Control Station) where the LDS server/Workstation is to be located. | Please note that for BMPL gas pipeline not having any backup control station (BCS) at present hence ignore. APPS server (redundant) shall be provided at MCS only. Location of MCS at Madhuban RT for existing SCADA and new proposed APPS. |
| 28 | NIT_CPG089 8P19 | 1 | ANNEXURE- II B- SCHEDULE OF PAYMENTS 50 % of value of Supply & Services against successful Factory Acceptance Testing (FAT) of SCADA & APPS system equipments, submission of invoice in triplicate, indemnity bond of the contract value. 25% of value of Supply & Services pro-rata as per Schedule of rates on | Tech. | For Supply: <ul style="list-style-type: none"> 90% payment along with 100% taxes of supply part shall be through bank against submission of dispatch document Balance 10% of the basic value of supply part to be released within 30 days of successful installation & commissioning of the complete system. In case installation & commissioning is delayed beyond 60 days of scheduled | Tender condition prevails |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|---------------------|-------------|---|-------|--|-----------------------------|
| | | | <p>Erection, testing of individual station on submission of Certification for completion of Erection & Testing of individual station issued by Purchaser /Engineer- in -Charge /representative at site.</p> <p>15% of value of Supply & Services on successful Site Acceptance Testing, Trial run, overall commissioning with SCADA, & APPS System submission of Certification for completion of successful SAT, Trial, overall commissioning with Successful Interfacing with SCADA, APPS & Telecom system issued by Engineer- in -Charge/representative at site.</p> <p>10% of value of Supply & Services on completion of all works including final acceptance, Handing over and submission of Certification for completion of all works including final acceptance, All documents as specified in Vendor Data Requirement (VDR); Submission of "As built drawing/ documents" and handing over issued by Purchaser/Consultant/ Engineer – In -Charge (EIC)/representative at site.</p> | | <p>time due to reasons not attributable to contractor, last 10% payment shall be released against a BG of an equivalent amount within 15 days of submission of BG.</p> <p>For Services:</p> <ul style="list-style-type: none"> • 100% payment along with 100% taxes shall be released within 30 days on completion of commissioning of complete System. • 100% advance payment for training to be released at least 15 days before the training schedule against submission of invoice. The above payment terms has already been accepted by M/s. Oil India Limited in a separate tender (PO No: 7909292 date 29/10/18). | |
| 29 | Technical Volume II | 8 | Warranty | Tech. | Kindly accept warranty as 12 months from commissioning or 18 months from supply whichever is earlier. | Tender condition prevails |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|--------------|---------------------|--------------------|--------------------------------------|-------------|--|--|
| 30 | Technical Volume I | 27.1 | Defect Liability Period | Tech. | We understand that defect liability period/warranty as per Tender is 24 months from commissioning or 28 months from actual delivery of material at site, whichever is earlier. Kindly confirm. | Refer corrigendum- 1 and Annexure-II B; clause 1.0 of schedule of payment |
| 31 | Technical Volume II | T.3.1 | Supply of Cisco 4221 Router | Tech. | We understand that supply of router is in scope of client. Kindly clarify. Also, kindly provide details of existing radio system. | Bidder's understanding is correct. Router with licence and configuration as required in bidder's scope. Installation of Radio system is under OIL scope. |
| 32 | Technical Volume II | I,ii | Communication related aspects of RTU | Tech. | Kindly accept telecontrol protocol IEC 101 for communication with SCADA system. | Protocol to suit existing SCADA system is acceptable. However third party IED device; protocol will be Modbus RTU on serial port RS 485. |
| 33 | Technical Volume II | | RTU Specification | Tech. | As mentioned in BQC-Technical-we understand that as we have to supply RTU which is existing in Oil India and hence specification of existing RTU shall supersede RTU specification provided in Tender. Kindly confirm. | Refer PJS, details are provided. RTU as per existing shall be provided. |
| 34 | Technical Volume II | | | Tech. | We understand that new RTU at Makum shall have redundant Power Supply, CPU & non-redundant I/Os, Please confirm. | Bidder's understanding is correct, as per existing has to be provided. |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|--------------|---------------------|--------------------|--|-------------|---|--|
| 35 | Technical Volume II | 2.1 xix) e) | There shall be a comprehensive communication status screen and an electrical system status screen. The electrical system status screen shall show volts, amps, and kW as read from the power monitors. The HMI shall read the power monitors directly. | Tech. | Kindly confirm the protocol details of the Electrical Power Monitors to be read by HMI. | Third party IED device; protocol will be Modbus RTU on serial port RS 485. |
| 36 | Technical Volume II | 2.1(xviii), 2 | New RTUs will be multi-dropped & communicate through DNP 3.0 (TCP/IP) with SCADA server. New RTU (or upgradation of existing RTU) shall be install & commission along the pipeline as per requirement for configuration of process parameters with SCADA system. | Tech. | Kindly accept that the new RTU shall communicate through IEC-101 (TCP/IP) with SCADA server. | Protocol to suit existing SCADA system is acceptable. However third party IED device; protocol will be Modbus RTU on serial port RS 485. |
| 37 | Technical Volume II | 2.1 xiv) | New Radio Tower (Self-supported tower with minimum height of 35 metres with earthing, dedicated earthing pit, aviation lamp and fall arrestor with civil foundation work as required) for installation of Radio equipment antenna, Supply & configuration of Cisco 4221 router (minimum 2 WAN ports, 4 LAN ports) with OSPF support installed in wall mounted Rack with front Glass; lockable at Makum HNE SV Station with complete detailed engineering, inspection, erection & | Tech. | Kindly clarify if the Supply of Tower is also in the scope of Bidder. Also during interfacing of Makum network with MCS Duliajan Network OIL's IS team's support shall be extended. | Bidder's understanding is correct. Close coordination and supports from bidder is required along with OIL. |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|---------------------|-------------|---|-------|--|---|
| | | | commissioning all inclusive and Interfacing with existing Radio system of client including erection accessories, as per the specification. The interfacing of new RTU with new radio equipment for SCADA connectivity is in bidder's scope. (The new radio equipment will be supplied and installed by client with antenna). Interacting with router/switch is in bidder's scope. | | | |
| 38 | Technical Volume II | 2.1 iv & v | Additional Web Client License (OEM – M/s ABB) for Web client at Central Gas gathering station at RT Madhuban with necessary integration with existing SCADA. Web Client with 21” / 22” Monitor & Windows OS. (OEM– M/s. ABB) at Central Gas gathering station RT Madhuban with necessary integration with existing SCADA. | Tech. | Kindly clarify if the Web Client at Madhuban RT shall provide APPS data also along with Field data. | Confirm; data shall be shared from existing SCADA Server. |
| 39 | Technical Volume II | 2.5 | Optimizer (Pump/Compressor Station) Module | Tech. | Kindly confirm how many compressors are installed on this pipeline and at which location? Please also mention type of compressors. | Please note that for BMPL gas pipeline not having any compressor; hence ignore. |
| 40 | Technical Volume II | 3.2 | ENVISAGED APPS SYSTEM ARCHITECTURE: The APPS system hardware shall be installed at Main Control Station | Tech. | Kindly clarify whether APPS system required is redundant or non redundant. Also, we understand that APPS system has to be installed at MCS only as there | Please note that for BMPL gas pipeline not having any backup control station (BCS) at present |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|---------------------|-------------|---|-------|---|---|
| | | | (MCS)/Backup Control Station (BCS) as required (where existing SCADA system Server installed).Redundant APPS server setup will be provided at MCS for Leak Detection System (LDS), Real Time Modeling (RTM)/ Real Time Statistical Analysis (RTSA), OPC, Predictive Module(PM). | | is not any Backup Control Station. Please confirm. | hence ignore. APPS server (redundant) shall be provided at MCS only. Location of MCS at Madhuban RT for existing SCADA and new proposed APPS. |
| 41 | Technical Volume II | 3.2 | APPS Trainer system (including Pipeline Simulator) in dual cold standby configuration, along with APPS Training HMIs shall be provided at MCS. The APPS trainer shall mimic Dispatch Terminals (DT), Receiving Terminals (RT), Sectionalizing Valve stations (SV) along with Set point controllers. | Tech. | In this referred tender clause, it is stated that APPS trainer system is required. Please confirm if trainer system is really required for this small pipeline? If required, please confirm how many trainees need to be trained simultaneously and also please confirm if dual cold standby configuration is really required for the trainer system. | APPS trainer system is required for non redundant independent Trainer system. |
| 42 | Technical Volume II | 3.2 | Engineering Work Station (EWS) and APPS user HMIs shall be provided at MCS. These EWS and APPS HMIs shall be used only for APPS system. | Tech. | We understand that 1 No each of EWS and HMI needs to be provided at MCS for APPS system only. Kindly confirm. | One HMI & one EWS shall be provided for APPS system at MCS. |
| 43 | Technical Volume II | 3.2 | batch/pig tracking displays batch scheduling displays | Tech. | We understand that batch tracking & batch scheduling is not required as this is required generally for liquid pipelines. Kindly clarify. | Batch tracking and batch scheduling is not required however rest of the feature shall be provided as per Technical specification. |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|---------------------|----------------|--|-------|---|---|
| 44 | Technical Volume II | 3.4.16 | a) Real Time Modeling (RTM)-cum-Leak Detection System (LDS) -cum-OPC servers b) Predictive Module (PM)-cum-Compressor/Pump Station Optimizer (CPSO) servers c) APPS Trainer Servers | Tech. | Kindly clarify that all these modules has to be installed in same physical server or separate servers. Kindly provide details of total no. of servers required for APPS system. | Please refer 3.4.16 please provide Server One each at MCS only. |
| 45 | Technical Volume II | 7 | Page 81 of 120 of tender document it is stated that test run of 15 days and In Section 8.11 of TECHNICAL SPECIFICATION APPS SYSTEM page 82 of 120 of tender document it is stated that 30 days availability test. Again in Section 8.14.4 of TECHNICAL SPECIFICATION APPS SYSTEM page 84 of 120 of tender document it is stated that test run is 7 days. | Tech. | Kindly clarify on the no. of days for trail run. | Consider 30 days |
| 46 | Technical Volume II | 2.1 xii & xiii | PW CAMC for SCADA/RTU & APPS | Tech. | Kindly clarify if CAMC for both SCADA/RTU & APPS shall be in a single AMC order or separate. | Single |
| 47 | Technical Volume II | 2.1& 2.2 | Laying of Pipeline | Tech. | We understand that this is not scope of this Tender. Kindly confirm. | Confirm |
| 48 | Technical Volume I | | SOR-GST rates | Tech. | Kindly clarify where to mention applicable GST percentage, since in SOR we have to quote rates exclusive of GST and evaluation shall be on basis of SOR | Refer SCC for clarification, tender condition prevail |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|---------------------|-------------|---|--------|--|---|
| | | | | | rates + applicable GST rates. | |
| 49 | Technical Volume II | Notes:-8 | Operational & Maintenance Spares | Tech. | We understand that rates quoted for O&M spares shall not be part of evaluation. Please confirm. | Confirm |
| 50 | Technical Volume I | | CIF value of imported contents | Tech. | We understand that this page is not applicable for this Tender. Please confirm. | CIF value of imported contents is applicable as per tender conditions |
| 51 | | | Bid due date | Tech. | Kindly extend the bid due date by 3 weeks from the date of reply of pre-bid queries. | Refer corrigendum - 1 |
| 52 | | IV | Customs Duty : Customs Duty on the imports under this Contract presently shall be Nil | Com m. | Request OIL/MECON to confirm issuance of necessary documents (along with relevant customs notification) to avail Nil Customs duty against Imported Goods. Also Please confirm whether any exemptions available for concessional GST for Domestic /Local Supplies. Kindly Confirm | In case of import of raw materials, OIL will issue PAC (Project Authority Certificate) and in case of import of finished goods, OIL will arrange for EC (Essentiality Certificate) from DGH. In case of Domestic/Local Supply concessional GST is not available. |
| 53 | | 8.12 | NEW TAXES & DUTIES | Com m. | Request OIL/MECON to include any variation in GST also in the clause. Kindly Confirm | Any variation of Taxes and Duties during contractual period shall be amended accordingly. |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|-------------|-------------|--|--------|--|-----------------------------------|
| 54 | | 17.2.4 | The applicable GST on the LD shall have to be borne by the contractor. Accordingly, the liquidated damages shall be recovered from the contractor along with applicable GST" | Com m. | Request OIL to issue GST Invoice/Debit Note with GST on applicable LD. Kindly confirm. | Bidder's understanding is correct |
| 55 | | 10 | The Employer is entitled to merit rate of Customs Duty for imports made for this Project. Essentiality certificate shall not be provided by OIL. | Com m. | This clause is Contradictory with our first point above. Kindly clarify. | This clause stands DELETED |
| 56 | | | The work covered under this contract shall be treated as "Works Contract" | Com m. | Kindly re-confirm. | Bidder's understanding is correct |
| 57 | | | Contractor shall be fully responsible for safe custody, storage and preservation for all the supplies and materials/equipment required for carrying out the work until handing over of the complete facility to the Purchaser at no extra cost" | Com m. | Kindly confirm if any storage place shall be provided by OIL. | Tender conditions prevail. |
| 58 | | | Payment Terms : Retention is > 10% , In case Site services (Erection Testing & Commissioning) could not be taken up or all sites are not made available by client within 06 months from the date of delivery of all SCADA & APPS system materials at site due to any reasons directly attributable to the owner" | Com m. | Kindly confirm if we can claim for the amount against submission of equivalent amount of BG for the location or locations which is delayed due to reason not attributable to bidder. | Tender conditions prevail |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|--------------|--------------------|--------------------|--|-------------|--|------------------------------------|
| 59 | | 9.3 | Price quoted by the bidder, shall remain firm, fixed and valid until completion of the contract and will not be subject to any variation, | Com m. | Prices shall be revised on account of (a) change in statutory laws; and (b) change in delivery terms for reasons not attributable to the contractor. Kindly Confirm. | Tender conditions prevail |
| 60 | | 2.00 | Except for the provisions of escalation provided elsewhere in the bidding document, bidder shall offer firm prices. Price quoted by the successful bidder must remain firm during the execution of the contract and not subject to variation on any account unless mentioned otherwise in the bidding document | Com m. | Prices shall be revised on account of (a) change in applicable laws; and (b) change in delivery terms for reasons not attributable to the default of the contractor. Kindly Confirm | Tender conditions prevail |
| 61 | | 3.3 | Perform all other obligations, work and services which are required by the terms of this contract which reasonably can be implied from such terms as being necessary for the successful and timely completion of the work. | Com m. | Subjective criteria: Work shall be completed in compliance with the scope of works/technical specifications. | Tender conditions prevail |
| 62 | | 10.1 | During the performance of the work, the Company may make minor change to take care of any supplementary work within the general scope of this Contract including, but not limited to, changes in methodology, and minor additions to or deletions from the work | Com m. | If the changes are for reasons not attributable to the default of the Contractor, the Contractor shall be entitled to receive cost compensation and time extension. The changes will be executed only after mutual agreement regarding time extension and cost | Tender conditions prevail |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|-------------|-------------|--|-------|---|-----------------------------|
| | | | to be performed. The Contractor shall perform the work as changed. Changes of this nature will be affected by written order by the Company. | | compensation. Kindly Confirm | |
| 63 | | 10.2 | If any changes result in an increase in compensation due to the Contractor or in a credit due to the Company, the Contractor shall submit to the Company an estimate of the amount of such compensation or credit in a form prescribed by the Company. Upon review of the Contractor's estimate, the Company shall establish and set forth in the Change Order the amount of the compensation or credit for the change or a basis for determining a reasonable compensation or credit for the change. If the Contractor disagrees with compensation or credit set forth in the Change Order, the Contractor shall nevertheless perform the work as changed, and the parties will resolve the dispute in accordance with Clause 13.0 hereunder. The Contractor's performance of the work as changed will not prejudice the Contractor's request for additional compensation for work performed under the Change | Comm. | If the changes are for reasons not attributable to the default of the Seller, the seller shall be entitled to receive cost compensation and time extension. The changes will be executed only after mutual agreement regarding time extension and cost compensation. Kindly Confirm | Tender conditions prevail |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|--------------|--------------------|--------------------|--|-------------|--|------------------------------------|
| | | | Order. | | | |
| 64 | | 11.1 | In the event of either party being rendered unable by Force Majeure to perform any obligation required to be performed by them under the contract, the relative obligation of the party affected by such Force Majeure' will stand suspended for the period during which such cause lasts. The word Force Majeure' as employed here in shall mean acts of God, war, revolt, agitation, strikes, riot, fire, flood, sabotage, civil commotion, road barricade (but not due to interference of employment problem of the Contractor)acts of government of the two parties, which makes performance impossible or impracticable and any other cause, whether of kind herein enumerated or otherwise which are not within the control of the party to the contract and which renders performance of the contract by the said party impossible. | Com m. | The timelines for performance shall be extended for a period equal to the time lost by reason of delay plus such additional time as may be reasonably necessary to overcome the effect of the delay. Kindly Confirm. | Tender conditions prevail |
| 65 | | 12.7 | Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the | Com m. | In addition to these costs, reasonable compensation for such early termination should be paid to the contractor. Kindly | Tender condition prevails |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|-------|-------------|-------------|--|--------|--|-----------------------------|
| | | | Company on giving 15 (fifteen) days written notice to the Contractor due to any other reason not covered under the above clause from 12.1 to 12.6 and in the event of such termination the Company shall not be liable to pay any cost or damage to the Contractor except for payment of services as per the Contract upto the date of termination including the De-mob cost, if any. | | Confirm. | |
| 66 | | 13.1 /2. | | Com m. | The sole arbitrator shall be mutually appointed by the parties. Kindly Confirm. | Tender conditions prevail |
| 67 | | 17.2.1 | In the event of the Contractor's default in timely completion of the project under the provision of this contract, the Contractor shall be liable to pay liquidated damages at the rate of 0.5% of the total contract value per week or part thereof of delay subject to a maximum of 7.5%. The Company may without prejudice to any other method of recovery, deduct the amount of such liquidated damages from any amount due to the Contractor. | Com m. | Request To be capped at maximum 5% of the contract value. | Tender conditions prevail |
| 68 | | 17.2.3 | Both the Contractor and the Company agree that the above percentage of Liquidated damage is a genuine pre- | Com m. | The levy of liquidated damages shall be the sole and exclusive remedy for the Customer, in the event of delay in | Tender conditions prevail |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|--------------|--------------------|--------------------|--|-------------|--|------------------------------------|
| | | | estimate of the loss/damage which will be suffered by the Company on account of delay/breach on the part of the Contractor and the said amount will be payable without proof of actual loss or damage caused by such delay/breach and without any demur and shall not be open for any dispute whatsoever. Discussion of the company in the matter of applicability of LD shall be final and binding to the contractor. | | delivery. Kindly Confirm. | |
| 69 | | 21 | LIABILITY | Com m. | Liability obligations: to be restricted to obligations arising due to gross negligence or wilful misconduct of the contractor. Kindly confirm | Tender conditions prevail |
| 70 | | 16.2 | Any change order as above comprising an alteration which involves a change in the cost of works (which sort of alteration is hereinafter called a "Variation") shall have impact on the contract value that shall be dealt towards end of contract. | Com m. | If the changes are due to reasons not attributable to the default of the contractor, the contractor shall be entitled to receive cost compensation and time extension. Changes shall be executed after written agreement between the parties. Kindly Confirm | Tender conditions prevail |
| 71 | | | Please Include | Com m. | Delay by Buyer: In case the Vendor's performance is delayed due to any act of omission on the part of Buyer or any third party engaged by Buyer or the end customer then the Vendor shall be given | Tender conditions prevail |

| SL No | RFQ Section | Ref. Clause | Subject | Type | Bidder's Query | CONSULTANT/OWNER'S RESPONSE |
|--------------|--------------------|--------------------|----------------|-------------|--|------------------------------------|
| | | | | | <p>due extension of time for the completion of the scope, for a period not less than the duration of the resultant delay in the Vendor's performance of the Contract. Buyer shall grant appropriate cost compensation along with time extension to the Vendor.</p> | |

