

**OIL INDIA LIMITED**  
**DULIAJAN**

**AMENDMENT No. 9 Dated 20.12.2024**  
**To TENDER No. GEM/2024/B/5133497**

A. This amendment has been issued to incorporate the following in the tender document:

Sl No	Tender Clause no.	Published tender clause	Proposed changes
1)	<b>BEC/BRC Clause 1.2</b>	<p><b>WORK EXPERIENCE:</b> The bidder shall have experience of successfully executing/completing at least One (01) contract for "SIMILAR WORK" of minimum value of ₹ 2.86 Cr. for any Central Govt./ State Govt. / Public Sector Undertaking/ State Govt. Enterprise/ any E&amp;P company in previous Seven (7) years reckoned from the original bid closing date.</p> <p>1.2.1 Note: (A) E&amp;P Company means any company engaged in exploration and production of crude oil &amp; natural gas only. (B) Definition of 'SIMILAR WORK': Operation and Maintenance (O&amp;M) service in Crude Oil Processing facility/ Natural Gas Gathering station/ Natural Gas Compression station/ Crude Oil Tank Farm for a period of minimum One (01) year.</p>	<p><b>WORK EXPERIENCE:</b> The bidder shall have experience of successfully executing/completing at least One (01) contract for "SIMILAR WORK" of minimum value of ₹ 2.86 Cr. in a single Contract for a minimum period of One (01) year for any Central Govt./ State Govt. / Public Sector Undertaking/<b>Public Limited Company</b> in previous Seven (7) years reckoned from the original bid closing date.</p> <p>1.2.1 <b>Note:</b> i) Definition of 'SIMILAR WORK': Operation and Maintenance (O&amp;M) service in Crude Oil Processing facility with oil and gas Pressure Separator/ Natural Gas Gathering Station/ Natural Gas Compression Station/ Crude Oil Tank Farm. ii) In case a Bidder has executed 2 (two) separate Contracts, One for Operation and the other for Maintenance of the same installation as listed in Note (i) above, then both the contracts shall have minimum overlapping period of One (01) year and the total executed value for both the contracts during the overlapping period should be minimum of ₹ 2.86 Cr.</p>
2)	<b>BEC/BRC Clause 1.3</b>	<p>Bidder should also have an experience of providing services for Operation and Maintenance of DCS based Instrumentation System which has an interface with field instrumentation systems - Flow Meters, Pressure Transmitters, Temperature Transmitters, Gas Detectors, Flame detectors and Tank Level Meters</p>	<p>This clause stands deleted.</p>

**GeM Bid No. GEM/2024/B/5133497 : Amendment to Tender Conditions**

Sl No	Tender Clause no.	Published tender clause	Proposed changes
1)	<b>Clause no. SOW/TOR 10.0 Imposition of penalty A.(i)</b>	<p>For Every such occurrence more than 3 days.</p> <p>Daily O&amp;M charge on pro rate basis for the shutdown period + penalty of 20 % of Daily O&amp;M charge for the shutdown hours beyond 7 days will be levied.</p>	<p>The Clause has been modified as under:</p> <p><b>For Every such occurrence more than 3 days upto 7 days:</b> Penalty of Daily O&amp;M charge on pro rate basis for the shutdown period.</p> <p><b>For Every such occurrence beyond 7 days:</b> Penalty of Daily O&amp;M charge on pro rate basis for the shutdown period + penalty of 20 % of Daily O&amp;M charge for the shutdown hours will be levied.</p>
2)	<b>Clause no. SOW/TOR 2.2: Day to day Operation and Maintenance (O&amp;M) jobs</b>	<p>Maintain good overall plant housekeeping including gardening and green belt <b>and achieve zero pollution level.</b></p>	<p>The Clause has been modified as under:</p> <p>Maintain good overall plant housekeeping including gardening and green belt.</p>
3)	<b>Clause no. SOW/TOR 2.0 SCOPE OF WORK 2.2: Day to day Operation and Maintenance (O&amp;M) jobs 23)</b>	<p>In case of breakdown or malfunctioning or under-performance of any equipment, the O&amp;M Contractor needs to immediately report the same to OIL. Simultaneously, the O&amp;M Contractor must immediately start break-down maintenance jobs for restoring the unit and/or must replace any such break-down parts/unit(s) within the shortest time avoiding interruption or under-performance of the plant. If the O&amp;M contractor fails to restore/repair the breakdown of any equipment within 24 hours, the O&amp;M contractor shall have to call the service of that equipment's OEM/dealer (which may or may not be under AMC) to attend the breakdown maintenance and repair of sub-</p>	<p>The Clause has been modified as under:</p> <p>In case of breakdown or malfunctioning or under-performance of any equipment, the O&amp;M Contractor needs to immediately report the same to OIL. Simultaneously, the O&amp;M Contractor must immediately start break-down maintenance jobs for restoring the unit and/or must replace any such break-down parts/unit(s) within the shortest time avoiding interruption or under-performance of the plant. If the O&amp;M contractor fails to restore/repair the breakdown of any equipment within 24 hours, the O&amp;M contractor shall have to call the service of that equipment's OEM/dealer (which may or may not be under AMC) to attend the breakdown maintenance and repair of sub-assemblies. The</p>

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		<p>assemblies. The service engineer shall have to be deployed within next 24 hours and rectification by 48 hours during normal working days or during weekly off days or during national holidays. Visit to attend any breakdown maintenance and repair of sub-assemblies shall have to be provided irrespective of weekly holidays or public holidays.</p> <p>Breakdown maintenance job as above shall be done with professional workmanship and continuously in all the shifts in all days without gap with skilled and adequate man-power strength. For that, the O&amp;M Contractor shall arrange its maintenance personnel as necessary and as per requirement of the contract.</p>	<p>service engineer shall have to be deployed within next 24 hours and rectification by <b>next 48</b> hours during normal working days or during weekly off days or during national holidays. Visit to attend any breakdown maintenance and repair of sub-assemblies shall have to be provided irrespective of weekly holidays or public holidays.</p> <p>Breakdown maintenance job as above shall be done with professional workmanship and continuously in all the shifts in all days without gap with skilled and adequate man-power strength. For that, the O&amp;M Contractor shall arrange its maintenance personnel as necessary and as per requirement of the contract.</p>
4)	<b>Clause no. SOW/TOR 2.10.1: Annual Maintenance Contract (AMC)/Back up support/On call service Back up support/On call service from OEMs</b>	b) TFMS Two (2) preventive maintenance visits in a year (1 visit half yearly) and on call visit during emergency/breakdown as required.	Clause No. 2.10.1: b) to be deleted
5)	<b>Clause no. SOW/TOR 2.10.2: Comprehensive Annual Maintenance Contract (CAMC)/Back</b>	5) CCTV system, Access Control System, PAGA System and CP System. Two (2) visits in a year and on call visit during emergency.	The Clause has been modified as under:  5) CCTV system and CP System: Two (2) visits in a year and on call visit during emergency.

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	up support/On call service		
6)	Clause no. SOW/TOR 1.06.2: Modular Package (MPC-1), Sl. No. 1 Make/ Model	Diesel Engine Driven/ JAKSON	The Clause has been modified as under:  Diesel Engine Driven/ Cummins
7)	Clause no. SOW/TOR 2.0 SCOPE OF WORK 2.0.4	2.0.4 The successful bidder/contractor shall be responsible for arranging all resources including competent manpower as per requirement of Indian Mines Act, its bye-laws & other legislations (viz., OMR 2017, Mines Rules 1955, Petroleum Rules 2018, DGMS directives from time to time etc.) in force; all resources/facilities for continuous twenty four hour operations on shift basis; employees' salaries/wages, provident fund, group/individual insurance & benefits; public liability insurance; routine, scheduled & break-down maintenance including running repairs and provisioning of relevant spares & consumables in relation thereto, directly or through AMC; general housekeeping & upkeep of the premises covering a plot of land measuring 39 Bigha 3 Katha 10 Lessa (53118.6 m2) for Nadua OCS including re-painting of the plant once during the currency of the contract; cleaning & de-sludging of tanks for once during the currency of this contract.	The Clause has been modified as under:  2.0.4 The successful bidder/contractor shall be responsible for arranging all resources including competent manpower as per requirement of Indian Mines Act, its by-laws & other legislations (viz., OMR 2017, Mines Rules 1955, Petroleum Rules 2018, DGMS directives from time to time etc.) in force; all resources/facilities for continuous twenty four hour operations on shift basis; employees' salaries/wages, provident fund, group/individual insurance & benefits; public liability insurance; routine, scheduled & break-down maintenance including running repairs and provisioning of relevant spares & consumables in relation thereto, directly or through AMC; general housekeeping & upkeep of the premises covering a plot of land measuring 39 Bigha 3 Katha 10 Lessa (53118.6 m2) for Nadua OCS during the currency of the contract; cleaning & de-sludging of tanks for once during the currency of this contract.
8)	Clause no. 1.1.1 of SOW/TOR	Field Instrument List for TFMS and Bowser loading area For detailed specification of field instruments for TFMS and bowser loading area refer Doc no.	The Clause is to be deleted as TFMS is not implemented in OCS Nadua

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		OIL-800-ND-I-DS-3075_Instrument Index with IO list	
9)	<b>Clause no. 1.01 of SOW/TOR: General Description of the plant (2<sup>nd</sup> para)</b>	<p>The Nadua oil field OCS is located near Dibrugarh town in Assam. The field is presently producing from 06 nos. of wells through a QPS (Quick Production Setup). Considering the potential of the field, it is envisaged that Oil production is expected to rise to a level of 1200 KLPD from 15 HP wells and 15 LP wells. Associated Gas is expected to be around 0.2 MMSCMD. It is also expected that the field will produce about 800 KLPD of water along with the 1200 KLPD of crude, So the plant design is for handling 2000 KLPD of total well fluid.</p> <p>The Construction of Oil Collecting Station (OCS) at Nadua is in advanced stage of completion at present and pre-commissioning activities expected to commence shortly.</p>	<p>The Clause has been modified as under:</p> <p>The Nadua oil field OCS is located near Dibrugarh town in Assam. The field is presently producing from 06 nos. of wells through a QPS (Quick Production Setup). Considering the potential of the field, it is envisaged that Oil production is expected to rise to a level of 1200 KLPD from 15 HP wells and 15 LP wells. Associated Gas is expected to be around 0.2 MMSCMD. It is also expected that the field will produce about 800 KLPD of water along with the 1200 KLPD of crude, So the plant design is for handling 2000 KLPD of total well fluid.</p> <p>Well fluid arrival condition:</p> <p><b><u>Crude Oil</u></b>  <b>HP Wells:</b></p> <p>Arrival Pressure, kg/cm<sup>2</sup>g - 10 to 90  Arrival temperature, °C - 50 – 27</p> <p><b>LP Wells:</b></p> <p>Arrival Pressure, kg/cm<sup>2</sup>g - 10 – 5  Arrival temperature, °C - 50 – 27</p> <p>The Construction of Oil Collecting Station (OCS) at Nadua is in advanced stage of completion at present and pre-commissioning activities expected to commence shortly.</p>
10)	<b>Clause no. SOW/TOR 2.9: New additional equipment, instrument, facility at</b>	<p>i) OIL may decide to incorporate new equipment, facilities, and instruments etc. in the station for the sole purpose of better performance of the plant, for compliance of recommendations of any statutory bodies or audits etc. and for subsequent operational requirements with augmentation of existing capacity.</p>	<p>The Clause has been modified as under:</p> <p>i) OIL may decide to incorporate new equipment, facilities, and instruments etc. as detailed under in the station for the sole purpose of better performance of the plant, for compliance of recommendations of any statutory bodies or audits etc. and for subsequent operational requirements</p>

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	<p><b>the Nadua OCS during the period of contract</b></p>	<p>The O&amp;M Contractor must carry out all operation and maintenance of any new equipment/facilities/instruments installed for compliance of any recommendation(s) of any statutory bodies or audits etc. during the currency of the contract without any additional cost to OIL. The new additional units/facilities will be part of existing system/process and will comprise minor changes only and there shall not be any additional or specialized manpower requirement. The O&amp;M of such additional items shall have to be carried out by the O&amp;M Contractor.</p> <p>ii) Responsibility of maintenance of any new items referred as above shall be on the O&amp;M Contractor and they cannot decline to take up maintenance jobs on any of such new items. Spares-supply for any new item costs will be under OIL's scope.</p> <p>iii) Failure to carry out operation and maintenance on the new items shall be considered as deviation/upset in the PLANT's DESIRED PERFORMANCE LEVEL.</p>	<p>with augmentation of existing capacity with no additional manpower requirement.</p> <ol style="list-style-type: none"> <li>1. Any equipment like manual valves, control valves etc, and instruments (TT, PT, TG &amp; PG etc) to be maintained by the O&amp;M contractor</li> <li>2. Additional does not mean brand new</li> </ol> <p>The O&amp;M Contractor must carry out all operation and maintenance of any new equipment/facilities/instruments installed for compliance of any recommendation(s) of any statutory bodies or audits etc. during the currency of the contract without any additional cost to OIL. The new additional units/facilities will be part of existing system/process and will comprise minor changes only and there shall not be any additional or specialized manpower requirement. The O&amp;M of such additional items shall have to be carried out by the O&amp;M Contractor.</p> <p>ii) Responsibility of maintenance of any new items referred as above shall be on the O&amp;M Contractor and they cannot decline to take up maintenance jobs on any of such new items. Spares-supply for any new item costs will be under OIL's scope.</p> <p>iii) Failure to carry out operation and maintenance on the new items shall be considered as deviation/upset in the PLANT's DESIRED PERFORMANCE LEVEL.</p>
11)	<p><b>Clause no. SOW/TOR 2.10.2: Comprehensive Annual Maintenance Contract (CAMC)/Backup</b></p>	<p>a)</p> <ol style="list-style-type: none"> <li>1) Gas engine gensets (1400 kW- 02 nos., MGM-Caterpillar make) and Emergency DG set (500 kW-01 no., Cummins make)</li> </ol>	<p>The Clause has been modified as under:</p> <p>a)</p> <ol style="list-style-type: none"> <li>1) Gas engine gensets (<b>1440 kW</b>- 02 nos., MWM (A brand of Caterpillar Energy Solution)) and Emergency DG set (500 kW-01 no., Cummins make).</li> </ol>

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	support/On call service		
12)	<b>Clause no. SOW/TOR 9.0: Deployment of Manpower</b>	v) O&M Contractor shall submit all documents, Bio data/Qualification/Experience-details/Credential/Competence Level/Eligibility Certificates/Police Verifications etc. and other relevant data of any prospective candidates to be deployed in the installation. Such personnel must not have any pending case against them in court of law / any pending police case or FIR against them. The employees can work at the OCS Nadua only after approval of OIL for such employees. <b>However, for approval of personnel selected by the O&amp;M Contractor, OIL may conduct interview to assess suitability.</b>	The Clause has been modified as under:  v) O&M Contractor shall submit all documents, Bio data/Qualification/Experience details/Credential/Competence Level/Eligibility Certificates/Police Verifications etc. and other relevant data of any prospective candidates to be deployed in the installation. Such personnel must not have any pending case against them in court of law / any pending police case or FIR against them. The employees can work at the OCS Nadua only after approval of OIL for such employees.
13)	<b>Clause no. SOW/TOR 2.2: Day to day operation and Maintenance (O&amp;M) jobs</b>	19) For all routine maintenances/servicing jobs, schedule/preventive maintenance jobs and also for breakdown maintenances / major repairs etc., the O&M Contractor shall have to carry out all required workshop jobs like but not limited to jobs of various machining operations, welding, milling, drilling, boring, reaming, grinding, lapping, press-fitting, assembling-disassembling etc. at their own costs. O&M Contractor may carry out these jobs in outside workshops also.	Clause no. 2.2.19 stands deleted.
14)	<b>Clause no. SOW/TOR 1.06.2: Modular Package (MPC-1)</b>  <b>Sl No. 2</b>	Sl No. 2  Capacity/Rating Power Rating: <b>1440 KWE</b> Generation Voltage: 415V	The Clause has been modified as under:  Sl No. 2 Capacity/Rating Power Rating: 1440 KW (1800 KVA @0.8pf) Generation Voltage: 415V
15)	<b>Clause no. SOW/TOR</b>	Alternator-GEG & EDG ISO Power: <b>1600kVA@0.9 p.f.</b>	The Clause has been modified as under:

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	<b>1.06.2: Modular Package (MPC-1) 2<sup>nd</sup> Table</b>		Alternator-GEG & EDG ISO Power: <a href="#">1920kVA @0.8 p.f.</a>
16)	<b>Clause no. SOW/TOR 2.0.7 Maintenance :</b>	The major maintenance activities include daily/periodic maintenance of all the package systems, but not limited to, such as captive gensets, main process equipment such as heaters, separators, stabilizer vessels, heat exchangers, dehydrators, pumps, crude storage tanks, cooling towers, cooling fans, gas compressors, air compressors, engines of pumps and gas compressors, effluent treatment, sewage treatment and raw water treatment plants, fire water engines and pumps including foam system, electrical motors, control room, electrical panels, UPS, batteries, cables, plant illumination system including high mast lights, complete instrumentation system including sub-systems such as DCS/PLCs and their input/output systems, field instrumentation, fire and gas alarm system, bore well water pumps, process water (including potable water system), all civil and other infrastructure facilities such as containerized site offices, security barracks and booths, all utility pipe lines & fittings, green belt, garden and premises etc. so that the installation runs smoothly without any trouble and in spic and span condition.	The Clause has been modified as under: The major maintenance activities include daily/periodic maintenance of all the package systems, but not limited to, such as captive gensets, main process equipment such as heaters, separators, stabilizer vessels, heat exchangers, dehydrators, pumps, crude storage tanks, cooling towers, cooling fans, gas compressors, air compressors, engines of pumps and gas compressors, effluent treatment, sewage treatment and raw water treatment plants, fire water engines and pumps including foam system, electrical motors, control room, electrical panels, UPS, batteries, cables, plant illumination system including high mast lights, complete instrumentation system including sub-systems such as DCS/PLCs and their input/output systems, field instrumentation, fire and gas alarm system, bore well water pumps, process water (including potable water system), all civil and other infrastructure facilities such as containerized site offices, security barracks and booths, all utility pipe lines & fittings, green belt, garden and premises etc. so that the installation runs smoothly without any trouble and in spic and span condition. Maintenance of DCS/PLCs and their input/output systems will be through OEM. Contractor will arrange AMC as per T&C of Tender.

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17)	<b>Clause no. SOW/TOR 2.2: 2. Day to day Operation and Maintenance (O&amp;M) jobs</b>	<p>O&amp;M Contractor must carry out all the jobs related to operation and maintenance of the installation. During execution of the jobs, the O&amp;M Contractor shall carry out all routine and schedule/preventive/predictive maintenances including overhauling, annual servicing of the System and servicing jobs of all the equipment and facilities as per OEM guidelines and as per requirement of OIL.</p>	<p>The Clause has been modified as under:  O&amp;M Contractor must carry out all the jobs related to operation and maintenance of the installation. During execution of the jobs, the O&amp;M Contractor shall carry out all routine and schedule/preventive/predictive maintenances including <b>Maintenance strategy, Criticality analysis, Planning, scheduling of the maintenance jobs,</b> overhauling, annual servicing of the System and servicing jobs of all the equipment and facilities as per OEM guidelines and as per requirement of OIL.</p>
18)	<b>Clause no. SOW/TOR 2.2: 1. Day to day Operation and Maintenance (O&amp;M) jobs</b>	<p>Operation and maintenance of the entire Oil Collecting Station shall be the single point responsibility of the contractor who shall deploy suitable and adequate manpower at the plants for the continuous, satisfactory and safe round the clock operations as per the requirement of OIL. Under this contract the scope of work for operations and maintenance of OCS shall include operation and maintenance of all packages along with all auxiliaries and associated rotary and static equipment of the Station. The nature of jobs &amp; their activities not explicitly mentioned in the scope of work and are required to be carried out for achieving system/equipment availability shall also be carried out by the contractor at no extra cost.</p> <p>The O&amp;M Contractor must carry out all the processes, which will be required for safe operation and maintenance jobs for smooth, trouble free, uninterrupted, full-capacity and safe operation of the plant. Plant performance as well as performance of the O&amp;M Contractor shall be determined by “DESIRED PERFORMANCE LEVEL” of the PLANT which means trouble-free operation and maintenance of the PLANT with desired level of performance of OCS packages,</p>	<p>The Clause has been modified as under:  Operation and maintenance of the entire Oil Collecting Station shall be the single point responsibility of the contractor who shall deploy suitable and adequate manpower at the plants for the continuous, satisfactory and safe round the clock operations as per the requirement of OIL. Under this contract the scope of work for operations and maintenance of OCS shall include operation and maintenance of all packages along with all auxiliaries and associated rotary and static equipment of the Station. The nature of jobs &amp; their activities not explicitly mentioned in the scope of work and are required to be carried out for achieving system/equipment availability shall also be carried out by the contractor at no extra cost.</p> <p>The O&amp;M Contractor must carry out all the processes, which will be required for safe operation and maintenance jobs for smooth, trouble free, uninterrupted, full-capacity and safe operation of the plant. Plant performance as well as performance of the O&amp;M Contractor shall be determined by “DESIRED PERFORMANCE LEVEL” of the PLANT which means trouble-free operation and maintenance of the PLANT with desired level of performance of OCS packages,</p>

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		achievement of desired dew point of Oil, gas, proper air pressure, water pressure in hydrant line, drinking water quality, clarified effluent water quality, quality of processed Oil and gas, power output, HSE records, O&M as per statutory Acts/Govt. Acts/Rules/Regulations/Guidelines, etc. including operation and maintenance of all other plant equipment with all fittings & accessories as per OEM recommended ratings/guidelines and schedules. Any deviation from OEM recommended procedures/methods will be considered as deviation from normal operation.	achievement of desired dew point of Oil, gas, proper air pressure, water pressure in hydrant line, drinking water quality, clarified effluent water quality, quality of processed Oil and gas, power output, HSE records, O&M as per statutory Acts/Govt. Acts/Rules/Regulations/Guidelines, etc. including operation and maintenance of all other plant equipment with all fittings & accessories as per OEM recommended ratings/guidelines and schedules. <b>OIL may require the O&amp;M services during PGTR of the Installation O&amp;M manuals will be provided to contractor post PGTR. Any deviation from OEM recommended procedures/methods will be considered as deviation from normal operation.</b>
19)	<b>Clause no. SOW/TOR 2.2 2) b iii sampling and testing</b>	The sampling & testing of different samples at OCS will be as per SOPs. All chemicals required for carrying out sample testing must always be available at OCS.	The Clause has been modified as under: The sampling & testing of different samples at OCS will be as per SOPs. All chemicals required for carrying out sample testing must always be available at OCS. <b>Sample testing (inside installation) is under Contractor's scope. However, well sample testing is under OIL's scope.</b>
20)	<b>Clause no. SOW/TOR 2.2 2) b iii sampling and testing</b>	Off-spec crude will not be allowed to dispatch. The Contractor to recirculate / reprocess the off-spec crude to meet desired 0.2% BS&W. For reprocessing of off-spec crude, O&M variable charge will not be paid.	The Clause has been modified as under: Off-spec crude will not be allowed to dispatch. The Contractor to recirculate / reprocess the off-spec crude to meet desired 0.2% BS&W. <b>For reprocessing of off spec crude, O&amp;M variable charge will not be paid.</b>

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21)	<b>Clause no. SOW/TOR 2.2 2) b iii sampling and testing</b>	<p>The O&amp;M contractor shall transport the samples to Chemical Laboratory, OIL, Duliajan, for testing.</p>	<p>The Clause has been modified as under: The O&amp;M contractor shall transport the samples to Chemical Laboratory, OIL, Duliajan, within a radius of 50 KMS for testing.</p>
22)	<b>Clause no. SOW/TOR 2.4.2: b)iii)</b>	<p>The contractor's Instrumentation crew shall be present at the site at Nadua OCS in general shift and night shifts daily for routine and breakdown maintenance, inspections, and preventive maintenance adjustments and carry out corrective actions for Systems.</p> <p>In addition, the contractor shall depute their experienced Instrumentation personnel to installation site in General shift as well as to attend the engineering calls round the clock on receipt of the information from shift operation and maintenance crew. The personnel's deputed to the site shall be well qualified and experienced and as per terms of this contract.</p> <p>To provide maintenance services described under clause No's 2.4.2 for all the instrumentation Systems and their accessories installed and commissioned in Nadua OCS, the contractor shall depute experienced competent instrumentation personnel as per manpower clause of the contract.</p> <p>In case the contractor's service personnel fails to restore any systems/subsystems and OEM services are required the contractor must obtain services from OEM competent Engineers within 24 hours of reporting of such incident by operation Engineer of Nadua OCS, failing</p>	<p>The Clause has been modified as under: The contractor's Instrumentation crew shall be present at the site at Nadua OCS in general shift and night shifts daily for routine and breakdown maintenance, inspections, and preventive maintenance adjustments and carry out corrective actions for Systems.</p> <p>In addition, the contractor shall depute their experienced Instrumentation personnel to installation site in General shift as well as to attend the engineering calls round the clock on receipt of the information from shift operation and maintenance crew. The personnel's deputed to the site shall be well qualified and experienced and as per terms of this contract.</p> <p>To provide maintenance services described under clause No's 2.4.2 for all the instrumentation Systems and their accessories installed and commissioned in Nadua OCS, the contractor shall depute experienced competent instrumentation personnel as per manpower clause of the contract.</p> <p>In case the contractor's service personnel fails to restore any systems/subsystems and OEM services are required the contractor must obtain services from OEM competent Engineers <b>within 48 hours</b> of reporting of such incident by operation Engineer of Nadua OCS, failing which penalty shall be imposed as per contract clause 10.0. In this regard, the contractor must</p>

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		which penalty shall be imposed as per contract clause 10.0. In this regard, the contractor must make arrangements with OEMs for AMC/on-the-call-services as a part of this maintenance contract.	make arrangements with OEMs for AMC/on-the-call-services as a part of this maintenance contract.
23)	<b>Clause no. SOW/TOR 4.0: Plant Painting</b>	Painting of all the items/equipment inside the boundary walls of the Nadua OCS including the container offices and security barracks, sheds, and watch towers will have to be carried out by the O&M contractor as and when advised by OIL. In general painting of the following items will be under the scope of the O&M contractor - Equipment, Instruments, Separators, Vessels, Heat Exchangers, Drums, Storage Tanks, in-plant Piping, Pipe Fittings, Valves, Steel Structures, Pipe Trestles, Supports, Steel Columns, Canopies, Walkways, Handrails, Platforms, Sign Boards, Road markers, containerized buildings, Sheds and Watch Towers will be under the scope of O&M contractor. However, boundary wall painting will be in the scope of OIL.	The Clause has been modified as under: Painting of all the items/equipment inside the boundary walls of the Nadua OCS including the container offices and security barracks, sheds, and watch towers will have to be carried out by the O&M contractor as and when advised by OIL. In general painting of the following items will be under the scope of the O&M contractor - Equipment, Instruments, Separators, Vessels, Heat Exchangers, Drums, Storage Tanks, in-plant Piping, Pipe Fittings, Valves, Steel Structures, Pipe Trestles, Supports, Steel Columns, Canopies, Walkways, Handrails, Platforms, Sign Boards, Road markers, containerized buildings, Sheds and Watch Tower will be under the scope of O&M contractor. Necessary arrangements like scaffolding, ladders etc for plant painting are under O&M contractor's scope. However, boundary wall painting will be in the scope of OIL.
24)	<b>Clause no. SOW/TOR 2.2 2) b iii sampling and testing</b>	The cleaning frequencies of vessels/tanks/cleaning media etc. are to be ascertained as per manufacturers' guidelines and/or condition of well fluids.	The Clause has been modified as under: The cleaning frequencies of vessels/tanks/cleaning media etc. are to be ascertained as per manufacturers' guidelines and/or condition of well fluids. Necessary records will be provided to the Contractor post PGTR.

Sl No	Tender Clause no.	Published tender clause	Proposed changes
25)	<b>Clause no. SOW/TOR 2.0 SCOPE OF WORK 2.2: Day to day Operation and Maintenance (O&amp;M) jobs 4) p)</b>	The scope of work for O&M also includes monitoring & rectification of process parameters on static equipment such as separators, production headers, strainers & filters, Control valves, Safety Equipment etc., cleaning/ replacement of strainers & filters, stroke checking of control valves & calibration of PSV, pressure/temperature switches, maintenance/rectification of PLC based instrument control panels, replacement of lighting lamps and its control gear, servicing and greasing of all valves, checking and day to day maintenance of electrical, mechanical and instrumentation systems such as local control panels, control room facility, battery bank, checking and cleaning of electrical and instrument junction boxes, general housekeeping etc.	The Clause has been modified as under: The scope of work for O&M also includes monitoring & rectification of process parameters on static equipment such as separators, production headers, strainers & filters, Control valves, Safety Equipment etc., cleaning/ replacement of strainers & filters, stroke checking of control valves & calibration of PSV, pressure/temperature switches, maintenance/rectification of PLC based instrument control panels, replacement of lighting lamps and its control gear, servicing and greasing of all valves, checking and day to day maintenance of electrical, mechanical and instrumentation systems such as local control panels, control room facility, battery bank, checking and cleaning of electrical and instrument junction boxes, general housekeeping etc. <b>List of equipment for calibration has been enclosed as Annexure-A</b>
26)	<b>Clause no. SOW/TOR 1.04.18.12.c EFFLUENT WATER TREATMENT PLANT</b>	SLUDGE COLLCTION AND TREATMENT UNIT 12.a.: Sludge sump (6.72 m3) – Rectangular underground 12.b.: Centrifuge feed pump 12.c.: Centrifuge 12.d.: DWPE Dosing tank – DWPE Dosing tank agitator 12.e.: DWPE Dosing pump	The Clause has been modified as under: SLUDGE COLLECTION AND TREATMENT UNIT 12.a.: Sludge sump (6.72 m3) – Rectangular underground 12.b.: Centrifuge feed pump 12.c.: Centrifuge 12.d.: DWPE Dosing tank – DWPE Dosing tank agitator 12.e.: DWPE Dosing pump <b>All the sludge collected from the unit shall be transported and disposed by the Contractor at OIL's designated location within a radius of 50 KM at no additional cost to OIL.</b>
27)	<b>Clause no. SOW/TOR 3.0: HSE (Health, Safety and Environment )xvi)</b>	O&M Contractor must maintain all firefighting equipment, appliances and entire firefighting operation for round the clock availability in 100% operational condition. Regular maintenance & servicing jobs and operations need to be followed for firefighting system of the plant as per the schedule approved by OIL. The O&M Contractor shall carry out quarterly inspection of all fire extinguishers, Painting & Hydrostatic test of the CO2 / DCP Extinguishers along with cap & hose assembly once in every three years or as per	The Clause has been modified as under: O&M Contractor must maintain all firefighting equipment, appliances and entire firefighting operation for round the clock availability in 100% operational condition. Regular maintenance & servicing jobs and operations need to be followed for firefighting system of the plant as per the schedule approved by OIL. The O&M Contractor shall carry out quarterly inspection of all fire extinguishers, Painting & Hydrostatic test of the CO2 / DCP Extinguishers along with cap & hose assembly once in every three years or as per statutory requirements at their cost. However, testing of CO2

Sl No	Tender Clause no.	Published tender clause	Proposed changes
		<p>statutory requirements at their cost. However, testing of CO2 / DCP extinguishers to be carried out every three months. In case of CO2 extinguisher, hydro testing will also be carried out before every refilling. This also includes painting of other Firefighting equipment (i.e. Monitors, Hose boxes, Hydrants, Foam Tanks, Inductors etc.) &amp; Fire water ring main etc.</p>	<p>/ DCP extinguishers to be carried out every three months. In case of CO2 extinguisher, hydro testing will also be carried out before every refilling. This also includes painting of other Firefighting equipment (i.e. Monitors, Hose boxes, Hydrants, Foam Tanks, Inductors etc.) &amp; Fire water ring main etc.</p> <p>The quantity and capacity of the fire - extinguisher/equipment available at Nadua OCS are as follows:</p> <p>CO2 4.5 kg - 1 No / 2kg - 1 No  2. DCP 9kg-20 No's / 25kg - 4 No's  3. Monitors - 12 no's  4. Hose Boxes - 20 no's  5. Double Hydrants - 20 No's</p>
28)	<p><b>Clause no. SOW/TOR 3.0: HSE (Health, Safety and Environment )xiv)</b></p>	<p>Every person deployed at Nadua OCS by the O&amp;M Contractor must wear all required safety gadgets/PPE items which are to be provided by the O&amp;M Contractor. No person will be allowed to work at the installation without PPE and such debarring of any of the O&amp;M Contractor's person(s) will lead to imposition of penalty. The O&amp;M Contractor shall provide proper Personal Protective Equipment as per the hazard identified and risk assessed for the job and conforming to statutory requirement and OIL's PPE schedule. Safety appliances like Safety Boots, Safety Helmet and Full Body harness etc. have to be OIL approved. Necessary supportive documents/approvals shall have to be submitted as proof.</p>	<p>The Clause has been modified as under:  Every person deployed at Nadua OCS by the O&amp;M Contractor must wear all required safety gadgets/PPE items which are to be provided by the O&amp;M Contractor. No person will be allowed to work at the installation without PPE and such debarring of any of the O&amp;M Contractor's person(s) will lead to imposition of penalty. The O&amp;M Contractor shall provide proper Personal Protective Equipment as per the hazard identified and risk assessed for the job and conforming to statutory requirement and OIL's PPE schedule. Safety appliances like Safety Boots, Safety Helmet and Full Body harness etc. have to be OIL approved. <b>NON-IFR grade Coveralls to be provided to every person deployed at Nadua OCS by the O&amp;M Contractor.</b> Necessary supportive documents/approvals shall have to be submitted as proof.</p>
29)	<p><b>Clause no. SOW/TOR 2.2 (2) (a) (iv)</b></p>	<p>Dispatch stored treated crude to Dikom OCS</p>	<p>The Clause has been modified as under:  Dispatch stored treated crude to Dikom OCS through pipelines.</p>
30)	<p><b>Clause no. SOW/TOR 1.04.20: RAW WATER</b></p>	<p>In this system inlet water (raw water) is coming from the borewells from three different locations. Deep well pump (ND-PBA-4701 A/B/C) for all three locations are provided. Capacity of each deep</p>	<p>The Clause has been modified as under:  In this system inlet water (raw water) is coming from the borewells from three different locations. Deep well pump (ND-PBA-4701 A/B/C) for all three locations are provided.</p>

Sl No	Tender Clause no.	Published tender clause	Proposed changes
	<b>TREATMENT PLANT</b>	well pump is 18 m <sup>3</sup> /hr and operating as 2 working + 1 standby. So total flow at inlet of battery limit will be 36 m <sup>3</sup> /hr. Piping from all three pumps to battery limit.	Capacity of each deep well pump is 18 m <sup>3</sup> /hr and operating as 2 working + 1 standby. So total flow at inlet of battery limit will be 36 m <sup>3</sup> /hr. Piping from all three pumps to battery limit. <b>In case the bore well pump set(s) need to be replaced, the same shall be done by OIL.</b>
31)	<b>Clause no. SOW/TOR 2.2 (9)</b>	The O&M Contractor shall carry out regular maintenance, repair, servicing jobs and scope of such jobs shall extend to all equipment / facilities / infrastructure / units of the plant that are installed/available at the OCS.	The Clause has been modified as under: The O&M Contractor shall carry out regular maintenance, repair, servicing jobs and scope of such jobs shall extend to all equipment / facilities / infrastructure / units of the plant that are installed/available at the OCS. However, repair jobs which are not attributable to the Contractor during the O&M period shall be done by OIL.
32)	<b>Clause no. SOW/TOR 2.6.2 (3)</b>	The O&M contractor shall procure Spares required for O&M of the Plant on Approval from OIL. OIL shall bear the entire cost of all Spares, provided procurement is done by the O&M contractor with prior approval from OIL and as per terms and conditions given in this document.	The Clause has been modified as under: OIL shall maintain the necessary spares for the equipment of the Installations. If a spare item is already available with OIL, the same will be supplied to the CONTRACTOR. However, in case of any urgency/ operational issues if spare is not available, OIL may advise the CONTRACTOR for procurement on their behalf. The O&M contractor shall procure Spares required for O&M of the Plant on Approval from OIL. OIL shall bear the entire cost of all Spares, provided procurement is done by the O&M contractor with prior approval from OIL and as per terms and conditions given in this document.

#### Addition of new clauses

#### 33) Clause no. 2.5.5:

	Item	Qty	Scheduled Maintenance Frequency
23	1.5 Ton Split AC Unit (indoor & outdoor unit), Make-Voltas.	8 Nos.	Once in six months

24	2.0 Ton Split AC Unit (indoor & outdoor unit), Make-Voltas.	33 Nos	Once in six months
25	Office lighting (Light fittings, fans, s/sockets, etc)	12 rooms	As and when required.
26	Battery Banks	5 sets	Monthly

**34) Clause no. 2.5.19:** Complete operation and breakdown maintenance of all air conditioners including supply of consumable items such as gas(refrigerant), card, PCB, compressor, capacitor, fan motors and switch sockets. Preventive Maintenance of all Air Conditioners at plant shall be as per item no. 23 & 24 in clause no. 2.5.5.

**35) Clause no. 2.5.20:** Daily checking and maintenance of all battery banks including replacement of cells if required.

**36) Clause No. 2.8: General Housekeeping and Upkeep of the plant**

x) Any mechanized machine / equipment including manpower required for housekeeping, gardening and upkeep of the plant is in the scope of the Contractor at no extra cost to OIL.

**B.** Revised General Terms and Conditions have been attached herewith within this document. Bidders to download this document on their computer and open the file in PDF reader to access the attachments.

**C.** Supporting documents related to Annexure-A and other technical drawings are furnished vide the link provided in Buyer Added Text Based ATC Clauses.

**D.** The Bid closing date of the tender has been extended as under:

Bid Closing date : 02.01.2025

Technical Bid opening date : 02.01.2025

**E.** Replies to Pre-bid queries have been uploaded on GeM portal under Buyer Specific SLA.

**F.** All other terms and conditions of the contract remain unchanged.

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