

OIL INDIA LIMITED
CONTRACTS DEPARTMENT
DULIAJAN

CORRIGENDUM No. 8 Dated 21.04.2025 To TENDER No. GEM/2025/B/5803599

A. This amendment against Tender No. GEM/2025/B/5803599 is issued as under:

Sl. No.	Section & Clause No.	Existing Tender Clause & Description	Amended Tender Clause & Description
1	Bid Evaluation Criteria Clause no. 1.0	Oil India Limited (OIL), as part of its initiative towards environmentally friendly drilling operations, intends to hire "Two (2) Sets of Integrated Drilling Environment Management Services for Water-Based Mud (WBM) Environments for Drilling Locations in Assam and Arunachal Pradesh. under Project "Bhuban Mitra", with a provision for additional two (2) Sets" for a duration of four (4) years. The detailed scope is mentioned in the Scope of Work Initially, two (2) sets of "Integrated Drilling Environment Management Services (Bhuban Mitra)" shall be hired. However, if the need for additional sets arises, then, as per mutual agreement between the COMPANY and the CONTRACTOR, the COMPANY may choose to hire a maximum of two (2) additional sets within one (1) year from the date of award of the contract. A separate mobilization notice will be issued for each of these additional sets, and the CONTRACTOR must mobilize the additional set within 150 days from the date of issue of such Mobilization Notice, under the same terms and conditions stipulated in this tender/contract with mutually agreed rates, but at a rate not higher than the originally awarded rate. The validity of the contract for the	Oil India Limited (OIL), as part of its initiative towards environmentally friendly drilling operations, intends to hire "Two (2) Sets of Integrated Drilling Environment Management Services for Water-Based Mud (WBM) Environments for Drilling Locations in Assam and Arunachal Pradesh., with a provision for additional two (2) Sets" for a duration of four (4) years. The detailed scope is mentioned in the Scope of Work Initially, two (2) sets of "Integrated Drilling Environment Management Services" shall be hired. However, if the need for additional sets arises, then, as per mutual agreement between the COMPANY and the CONTRACTOR, the COMPANY may choose to hire a maximum of two (2) additional sets within one (1) year from the date of award of the contract. A separate mobilization notice will be issued for each of these additional sets, and the CONTRACTOR must mobilize the additional set within 150 days from the date of issue of such Mobilization Notice, under the same terms and conditions stipulated in this tender/contract with mutually agreed rates, but at a rate not higher than the originally awarded rate. The validity of the contract for the additional set(s) shall be up to the validity of the

		additional set(s) shall be up to the validity of the last of the initial two sets to be released.	last of the initial two sets to be released.
2	Section-III, Schedule of Rates, Note no. 1 to Clause no. 16.0	Initially, two (2) sets of “Integrated Drilling Environment Management Services (Bhuban Mitra)” shall be hired. However, if the need for additional sets arises, then the COMPANY may choose to hire a maximum of two (2) additional sets within one (1) year from the date of award of the contract. A separate mobilization notice will be issued for each of these additional sets, and the CONTRACTOR must mobilize the additional set within 150 days from the date of issue of such Mobilization Notice, under the same terms and conditions stipulated in this tender/contract with mutually agreed rates, but at a rate not higher than the originally awarded rate. The validity of the contract for the additional set(s) shall be up to the validity of the last of the initial two sets to be released.	This note stands deleted as the same is covered under SCC Clause no. 22.0
3	Section-IV, Scope of Work, Clause no. 5.1.3.3	<p>5.1.3.3 CENTRIFUGE [AS PER ANNEXURE: IX]:</p> <p>i) The centrifuge preferable either of Brant (NOV), Derrick or Swaco or any substantial equivalent make.</p> <p>ii) The Centrifuge should have the capacity for LGS (low gravity solid) separation.</p> <p>iii) The Centrifuge should have proper safety sensor/indicator/ gauge to monitor vibration, speed, temperature, pressure, and torque.</p> <p>iv) The Centrifuge must have proper control device and emergency shut system.</p> <p>v) All the rotating parts must be covered.</p> <p>vi) It should carry certification like ATEX or equivalent for using in hazardous area.</p> <p>vii) System should be so designed that unit can be restarted only by manual when it trips.</p> <p>viii) The Centrifuge preferably should have the following basic parameters:</p>	<p>5.1.3.3 CENTRIFUGE [AS PER ANNEXURE: IX]:</p> <p>i) Deleted.</p> <p>ii)The Centrifuge should have the capacity for LGS (low gravity solid) separation.</p> <p>iii) The Centrifuge should have proper safety sensor/indicator/ gauge to monitor vibration, speed, temperature, pressure, and torque.</p> <p>iv) The Centrifuge must have proper control device and emergency shut system.</p> <p>v) All the rotating parts must be covered.</p> <p>vi) Deleted.</p> <p>vii) System should be so designed that unit can be restarted only by manual when it trips.</p> <p>viii) The Centrifuge preferably should have the following basic parameters:</p> <p>a) Operating speed: 2000 RPM (Minimum)</p> <p>b) G-Force: 2000G (Minimum)</p> <p>c) Hydraulic flow rate: 100GPM(Minimum)</p>

		<p>a) Operating speed: 2000 RPM (Minimum) b) G-Force: 2000G (Minimum) c) Hydraulic flow rate: 8 Cubic metre/day (Minimum) d) Minimum 14" Bowl</p>	d) Minimum 14" Bowl
4	Section-IV, Scope of Work, Clause no. 5.6.1 (OTHER ELECTRICAL EQUIPMENT) Point (i)	<p>All electrical equipment to be used in classified hazardous area as per schedule of OMR, 2017 (Regulations 106, Classification of hazardous area) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B (equivalent to NEC Class I, Group C & D) of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112].</p>	<p>All electrical equipment, components of the unit shall be explosion-proof certified (Ex type) and suitable for use in oilfield hazardous areas, zone 1 & zone 2 and Gas group IIA, IIB of oil mines and shall confirm to IS/IEC/EN: 60079 standards.</p> <p>Test reports/certificates confirming to the above relevant standards from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of the manufacturer's facility shall be submitted along with the bid and also with the supply of the materials." [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112].</p>

B. Annexures-I, IV, VI and VII to XII including revised Annexure-VII and Annexure-IX are attached herewith. Bidders to take note of the same and submit their bids accordingly.

C. Annexure-MoU & Appendix for Drill Cutting are attached herewith. Bidders to take note of the same and submit their bids accordingly.

D. All other Terms & Conditions of the Bid Document remain unaltered.

PROFORMA FOR CURRICULUM VITAE OF KEY PERSONNEL

1. NAME :
2. PRESENT ADDRESS :
3. PERMANENT ADDRESS :
4. FATHER'S NAME :
5. NATIONALITY :
6. PASSPORT NO. AND VALIDITY :
(IN CASE OF NRI/FOREIGNER) :
7. DATE OF BIRTH :
8. DESIGNATED POST :
9. EDUCATIONAL QUALIFICATION :

Affix a
Passport Size
Photograph

Sl. No.	Exam Passed	Institute	Board University Council Others	Grade %

10. HSE TRAININGS (If any) :
11. SPECIFIC EXPERIENCE (If any):
12. EXPERIENCE IN REVERSE ORDER :

Sl. No.	Name of the Company (Employer)	Name of Client Company	Name Project and Service Provided	Job Description	Key Job Responsibility	Period of Service	Well Depth

N.B:

1. To add row if necessary
2. To be submitted in "A-4" or Executive Bond Paper, duly typed and signed
3. All supporting documents to be enclosed
4. Annexure shall be attached where necessary
5. In case of replacement of the key personnel, the replacement personnel must have the requisite qualification and experience as per clause 5.12 of SoW and shall submit their credentials along with their recent photographs to Company for approval of Company.
6. If Oil desires, original certificate to be furnished at the time of 1st deployment
7. Attach copies of following documents:
 - i. Identity Proof
 - ii. Date of Birth Proof
 - iii. Proof of educational qualification
 - iv. Proof of Experience
 - v. IWCF certificate (Level III)
 - vi. Medical Fitness Certificate in Form 'O' (as per the Mines Act 1952).
8. In case of replacement of the personnel, the replacement personnel must have the requisite qualification and experience as per Scope of Work/Terms of Reference(Section-II) and shall submit their credentials along with their recent photographs & documents to Company for approval of Company.

Documentary Evidence for HSE Criteria

1. LTIF for last Three years

Sl. No.	Contract No	Name & Contact details of client	Place of Operation	Contract Period		LTIF		
				Commencement	Completion	1 st	2 nd	3 rd
1								
2								
3								
4								

2. Details of HSE Policy :

- (i) _____
- (ii) _____
- (iii) _____

[N.B: Please add rows as required]

Signature of Authorized Signatory Name:

Designation :

Phone No & E-mail id :

Place & Date :

(Affix Seal of the Organization here, if applicable)

Note:

1. A lost time injury (LTI) will occur when a person is injured in the execution of his/her duties and as a result of this injury is unable to perform his/her regular duties for one full shift or more on the day following day which the injury was incurred. Note: Regular duties are those duties associated with the job description of the injured.

Lost time injury frequency rate shall be calculated as illustrated below:

Required Data:

- (i) No of accident for the year of calculation
- (ii) No of injury for the above accidents
- (iii) Total Mandays loss due to accident= X
- (iv) Total Sick leave/unproductive Mandays= Y

A = Million Man-hrs worked

= No of employees * No of days * duty hour per day * 10^{-6}

B = Million Man-hrs loss due to sick leave and accident (non-productive hrs)

= (total sick leave + total Mandays loss due to accident) * duty hour per day x 10^{-6}

= (X + Y) * duty hour per day * 10^{-6}

Actual man-hour worked (C)

C = [Total Million Man-hrs worked] – [Million Man-hrs Loss due to sick leave and accident (non-productive hrs)]

=A - B

LTIF Rate = $\frac{\text{No of Injury}}{\text{Actual MMH worked}}$

ANNEXURE-VI

RESPONSIBILITY MATRIX:

The table below details the personnel, equipment, tools, materials supplies, instruments, services and labour, including but not limited to those listed at the following terms shall be provided either by Company or Contractor at work site. Cost of items denoted as being “Supplied by Contractor” and “At the Expense of Contractor” shall be fully included in the rates specified in Schedule of Rates/Proforma-B as designated here under by ‘Y’ mark in the appropriate column.

Item	Description	SUPPLIED BY		AT EXPENSE OF	
		Company (OIL)	Contractor	Company (OIL)	Contractor
1	Personnel as per SOW Technical Specifications		Y		Y
2	Personnel not included in SOW Clause but necessary for Company’s normal operations		Y		Y
3	Personnel Protective Equipment (PPE) of Contractor's Personnel		Y		Y
4	Travelling & all en-route of Contractor’s personnel from their point of origin to their respective place of reporting.		Y		Y
5	Boarding & Lodging for field personnel at wellsite camp.		Y		Y
6	Conveyance for field personnel at well site.		Y		Y
7	Boarding & Lodging of Contractor’s personnel at their Base Office in Duliajan Others.		Y		Y
8	Conveyance for Contractor’s personnel other than well site.		Y		Y
9	Internet facility at well site.		Y		Y
11	Office stationeries for both at well site & Contractor’s Base Office – Laptop desktop computer, printer, papers etc.		Y		Y

Item	Description	SUPPLIED BY		AT EXPENSE OF	
		Company (OIL)	Contractor	Company (OIL)	Contractor
12	Office space for Contractor's personnel at Base Office in Duliajan Others		Y		Y
13	Well site First Aid Box with kit		Y	Y	
14	General Medical facility at site.	Y		Y	

Tender No. GEM/2025/B/5803599 dt 11.1.2025 for Hiring Services of Integrated Drilling Environment Management Services for Drilling Rigs-02 Packages for 04 years.

SPECIFICATION LIST

AMENDED ANNEXURE: VII: SPECIFICATION OF FEEDING AND DISCHARGE

ARRANGEMENT ANNEXURE: VIII: SPECIFICATION OF VERTICAL CUTTINGS

DRYER EQUIPMENT

AMENDED ANNEXURE: IX: SPECIFICATION OF CENTRIFUGE

ANNEXURE: X: SPECIFICATION OF CHEMICAL SEPARATION
UNIT| FLOCCULATION UNIT

ANNEXURE: XI: SPECIFICATION OF DEWATERING UNIT

ANNEXURE: XII: SPECIFICATION OF RO UNIT

ANNEXURE: VII

SPECIFICATION OF FEEDING AND DISCHARGE ARRANGEMENT

(VERTICAL CUTTINGS DRYER PACKAGE)

SI No	OIL'S REQUIREMENT	BIDDER'S OFFER	REF: FILE & PAGE NO. BY BIDDER
1	Effective feeding arrangement via screw conveyor or progressive cavity cuttings transfer pump or manually by Backhoe Loader to feed drill cuttings into VCD hopper.		
2	Solids separation system in VCD must have effective and automated discharge arrangement with adjustable length (extendable or retractable) and height. Dry cuttings should be stock-piled, away from the VCD system, directly into waste containment bin / jumbo bags.		
3	Solids separation system in VCD must have effective and automated discharge arrangement with adjustable length (extendable or retractable) and height.		

Note:

- Effective arrangement to transfer the solid generated in the centrifuge to be disposed as per CPCB guidelines.

ANNEXURE: VIII
SPECIFICATION OF VERTICAL CUTTINGS DRYER EQUIPMENT
(VERTICAL CUTTINGS DRYER PACKAGE)

Sl No	OIL'S REQUIREMENT	BIDDER'S OFFER	REF: FILE & PAGE NO. BY BIDDER
1	Vertical Cutting Dryer (VCD) supplied under the contract shall be brand new/ vintage of 5yrs.		
2	Vertical Cutting Dryer must be designed for handling & drying water based mud cuttings. OEM certification shall be required for confirmation in this regard.		
3	Capable of handling semi liquid cuttings of desilter and desander.		
4	Feed capacity 40 - 80 Tone per Hour (10 - 20 kg/s)		
5	Independent VFD Variable Control of Flites and Screen RPM.		
6	Conical Centrate Collection Launder Section to aid in Centrate Discharge from VCD.		
7	Flights of VCD should be Tungsten Carbide or Ceramic lined.		
8	Screen should be Chrome-Hardened Profile Wire.		
9	Coating should be Zinc-Rich Powdered Industrial Coat		
10	Direct Drive Motor Configuration without the use of Belts.		
11	NEMA 7 Class 1 - Division 1 or IS/IEC/EN: 60079-1 standard Air-Cooled VFD Control System with PLC-Driven Load Compensation for Drive Motors		
12	Capable of protecting from water ingress and maintenance window to be provided.		
13	Interior should have wear resistant materials to increase life cycle.		
14	Rotor should be made of wear resistant materials like tungsten etc.		
15	Maintenance-Free Oil-Sealed Gearbox that Requires No Active Lubrication Pump, Oil Filter, or External Oil Reservoir.		
16	Design should comply the National Fire Protection Association ("NFPA") Publication 70 for Class I - Division I /		

	60079 series of standards for Class I – Division I, where it deemed to fit		
17	VCD Package should be compact and integrated, mounted on a skid or on trailerized platform. Both configurations include a maintenance and service deck to support the VCD, feed hopper and liquid collecting tank.		
18	A safe staircase is to be provided, along with a secondary emergency ladder with proper railing		
19	Emergency safety interlock/emergency shutdown system should be available.		
20	System should be so designed that unit can be restarted only by manual when it trips.		
21	Catch/Containment tank must be available for collecting the fluid output from the VCD for feeding the same to a Decanter Centrifuge.		

SPECIFICATION OF CENTRIFUGE

(VERTICAL CUTTINGS DRYER PACKAGE)

SI No	OIL'S REQUIREMENT	BIDDER'S OFFER	REF: FILE & PAGE NO. BY BIDDER
1	The Centrifuge should have the capacity for LGS (low gravity solid) separation.		
2	The Centrifuge should have proper safety sensor/indicator/ gauge to monitor vibration, speed, temperature, pressure and torque.		
3	The Centrifuge must have proper control device and emergency shut system.		
4	All the rotating part must be covered.		
5	System should be so designed that unit can be restarted only by manual when it trips.		
6	i)The Centrifuge preferably should have the following basic parameters: 1. Operating speed: 2000 RPM (Minimum) 2. G-Force: 2000G (Minimum) 3. Hydraulic flow rate: 100 GPM (minimum) 4. Minimum 14" Bowl		

ANNEXURE: X
SPECIFICATION OF CHEMICAL SEPARATION UNIT | FLOCCULATION UNIT
(VERTICAL CUTTINGS DRYER PACKAGE)

SI No	OIL'S REQUIREMENT	BIDDER'S OFFER	REF: FILE & PAGE NO. BY BIDDER
1	Provision should be available for chambered Chemical treatment for Coagulation and Flocculation of Effluent with Agitator for chemical mixing at desired rate required for various Effluent types. It should consist of Flash Mixer & Flocculator with agitator, corrugated plate interceptor for aiding separation of oil & grease and suspended solid particles from the effluent.		
2	Tube Clarifier chamber, with hopper bottom sludge collection system, for final sedimentation of suspended solid particles, Pressure Sand Filter and Dual Media Filter for filtering the clarified Effluent after the Coagulation-Flocculation, and Clarification stages, Activated Carbon Filter for reduction of Odour, volatile organic compounds, Chlorine, etc. shall be available.		
3	Provision should be available for the chemical dosing as per requirement and capable of monitoring of such dosing conveniently.		
4	Provision should be available for removal of Oil & Grease and smaller solid particles from the separated Effluent after Coagulation and Flocculation.		
5	Unit should have hopper bottom sludge collection system, for periodic removal of the solid particles.		
6	Unit should be capable of removing the turbidity and suspended particles present in the feed water.		

Note:

This unit should be capable of performing the neutralization of effluent and chemical treatment (Coagulation and Flocculation of Effluent). The treated liquid effluent / output must conform to SPCB/CPCB norms, and eligible to be re-used as technical water and for rig utility.

ANNEXURE: XI
SPECIFICATION OF DEWATERING UNIT
(VERTICAL CUTTINGS DRYER PACKAGE)

Sl No	OIL'S REQUIREMENT	BIDDER'S OFFER	REF: FILE & PAGE NO. BY BIDDER
1	A mechanical device (Filter Press) is to be provided for dewatering of sludge produced in chemical separation flocculation unit.		
2	Minimum daily processing of sludge is 30 m ³ day. However, the capacity of the filter press shall match with the sludge output produced in the VCD and recycle unit, so that the operation of both the units remains unaffected		

Note:

The Solid cakes generated from the dewatering unit to be disposed as described in 6.4 under "Waste Transportation, Store and Disposal".

ANNEXURE: XII
SPECIFICATION OF RO UNIT
(VERTICAL CUTTINGS DRYER PACKAGE)

Sl No	OIL'S REQUIREMENT	BIDDER'S OFFER	REF: FILE & PAGE NO. BY BIDDER
1	Sedimentation, Clarification and Filtration of separated Effluent in a Skid-mounted RO Unit (Reverse Osmosis Unit), with Reverse Osmosis method for desalination of dissolved solids such as Chlorides, Sulphates, etc., which constitute the like sediment, volatile organic compounds (VOCs), taste and odour from the filtered Effluent.		
2	RO unit should consist of pre-treatment set-up of Activated Carbon Filter and Micron Cartridge Filter for removal of impurities not suitable for RO Membranes, SS Feed Pump, Anticipant Dosing system, Membrane cleaning setup, High Pressure Pump, Multiple arrangement of 8 inch dia Sea-water type/other suitable type Membranes for reducing the values of TDS (such as Chlorides, etc.), Hardness, Alkalinity to be within CPCB/SPCB norms for on-shore discharge, and for providing technical water for mud preparation.		
3	The treated output through RO Membranes (Permeate) will be within the SPCB norms, and the trapped dissolved solids/salts/minerals will come out as Rejects, which will be discharged to a separate Pit for natural drying/evaporation. The same may be reinjected by OIL in injection wells at OIL's scope.		
4	Minimum processing capacity of RO should be 150 M ³ / day, however capacity of the RO unit shall match with the output produced in the filter press and recycle unit, so that the operation of both the units remains unaffected.		

MEMORANDUM OF UNDERSTANDING

BETWEEN

1ST PARTY NAME

(SERVICE PROVIDER/BIDDER)

AND

2ND PARTY NAME

(ORIGINAL EQUIPMENT MANUFACTURER)

THIS AGREEMENT for Operational Services forEquipment is entered into(Date)

BETWEEN

M/s.....having its office at(address) and represented by hereinafter referred to as the **1st Party**,

AND

M/s (**Original Equipment Manufacturer**) having its office at.....(address), and branch office (if applicable) at..... and represented by hereinafter referred to as the **2nd Party**.

WHEREAS, the sole purpose of this Memorandum of Understanding is to encourage cooperation between the 1st Party and the 2nd Party regarding Drilling Waste Management Services to be provided to the various Oil and Gas Companies operating in the state of Assam and other states of India during the period ofto

The terms and conditions of this Memorandum of Understanding are as follows:

THAT, the 1st Party will purchase Drilling Waste Management Equipment, including a certain(OEM NAME) product, Vertical Cuttings Dryer (VCD) model no....., from the 2nd Party, and the 2nd Party will sell the equipment to the 1st Party.

THAT, the 1st Party after purchase of the Drilling Waste Management Equipment,(OEM NAME)product Vertical Cuttings Dryer (VCD) model no will provide operational services to various Oil and Gas companies operating in the state of Assam and other states of India during the period of to

THAT, during the aforesaid period ofto, the 2nd Party, on reasonable payment by the 1st party, will provide all support such as supply of spares, and competent service for maintenance of equipment, for keeping the equipment in operation-worthy condition at all times.

THAT, during the aforesaid period ofto, the 2nd Party will provide complete technical support, and provide training to the operators/ manpower of the 1st Party.

THAT, during the aforesaid period ofto, the 2nd Party shall consider the 1st Party as a Preferred Purchaser/Buyer for(OEM) product, Vertical Cuttings Dryer (VCD) model no....., and that(OEM) shall provide the highest level of support and training for the installation and operation of the said Vertical Cuttings Dryer in India.

THAT, during the period of to, the 1st Party shall participate in Commercial Tendering Process on the 2nd Party's strength of service experience/success of the product, Vertical Cuttings Dryer (VCD) model no. in Water Based Mud Operation.

THEREFORE, the 1st Party and the 2nd Party agree it is in the best interest of all concerned to enter into this Memorandum of Understanding.

In witness whereof the parties have executed this MOU on the date mentioned above.

For and behalf of
(.....)

For and behalf of
(.....)

Signed:

Signed:

Name:

Name:

Position:

Position:

Date:

Date:

SCHEDULE II
[See rule 3 (1) (17) (ii)]

List of waste constituents with concentration limits

Class A: Based on leachable concentration limits [Toxicity Characteristic Leaching Procedure (TCLP) or Soluble Threshold Limit Concentration (STLC)]

Class	Constituents	Concentration in mg/l
(1)	(2)	(3)
A1	Arsenic	5.0
A2	Barium	100.0
A3	Cadmium	1.0
A4	Chromium and/or Chromium (III) compounds	5.0
A5	Lead	5.0
A6	Manganese	10.0
A7	Mercury	0.2
A8	Selenium	1.0
A9	Silver	5.0
A10	Ammonia	50*
A11	Cyanide	20*
A12	Nitrate (as nitrate-nitrogen)	1000.0
A13	Sulphide (as H ₂ S)	5.0
A14	1,1-Dichloroethylene	0.7
A15	1,2-Dichloroethane	0.5
A16	1,4-Dichlorobenzene	7.5
A17	2,4,5-Trichlorophenol	400.0
A18	2,4,6-Trichlorophenol	2.0
A19	2,4-Dinitrotoluene	0.13
A20	Benzene	0.5
A21	Benzo (a) Pyrene	0.001
A22	Bromodichloromethane	6.0
A23	Bromoform	10.0
A24	Carbon tetrachloride	0.5
A25	Chlorobenzene	100.0
A26	Chloroform	6.0
A27	Cresol (ortho+ meta+ para)	200.0
A28	Dibromochloromethane	10.0
A29	Hexachlorobenzene	0.13
A30	Hexachlorobutadiene	0.5
A31	Hexachloroethane	3.0
A32	Methyl ethyl ketone	200.0
A33	Naphthalene	5.0
A34	Nitrobenzene	2.0
A35	Pentachlorophenol	100.0
A36	Pyridine	5.0
A37	Tetrachloroethylene	0.7
A38	Trichloroethylene	0.5

(1)	(2)	(3)
A39	Vinyl chloride	0.2
A40	2,4,5-TP (Silvex)	1.0
A41	2,4-Dichlorophenoxyacetic acid	10.0
A42	Alachlor	2.0
A43	Alpha HCH	0.001
A44	Atrazine	0.2
A45	Beta HCH	0.004
A46	Butachlor	12.5
A47	Chlordane	0.03
A48	Chlorpyrifos	9.0
A49	Delta HCH	0.004
A50	Endosulfan (alpha+ beta+ sulphate)	0.04
A51	Endrin	0.02
A52	Ethion	0.3
A53	Heptachlor (& its Epoxide)	0.008
A54	Isoproturon	0.9
A55	Lindane	0.4
A56	Malathion	19
A57	Methoxychlor	10
A58	Methyl parathion	0.7
A59	Monocrotophos	0.1
A60	Phorate	0.2
A61	Toxaphene	0.5
A62	Antimony	15
A63	Beryllium	0.75
A64	Chromium (VI)	5.0
A65	Cobalt	80.0
A66	Copper	25.0
A67	Molybdenum	350
A68	Nickel	20.0
A69	Thallium	7.0
A70	Vanadium	24.0
A71	Zinc	250
A72	Fluoride	180.0
A73	Aldrin	0.14
A74	Dichlorodiphenyltrichloroethane (DDT), Dichlorodiphenyldichloroethylene (DDE), Dichlorodiphenyldichloroethane (DDD)	0.1
A75	Dieldrin	0.8
A76	Kepone	2.1
A77	Mirex	2.1
A78	Polychlorinated biphenyls	5.0
A79	Dioxin (2,3,7,8-TCDD)	0.001

Class B: Based on Total Threshold Limit Concentration (TTLC)

Class	Constituent	Concentration in mg/kg
(1)	(2)	(3)
B1	Asbestos	10000
B2	Total Petroleum Hydrocarbons (TPH) (C5 - C36)	5,000

Note:

- (1) The testing method for list of constituents at A1 to A61 in Class-A, shall be based on Toxicity Characteristic Leaching Procedure (TCLP) and for extraction of leachable constituents, USEPA Test Method 1311 shall be used.
- (2) The testing method for list of constituents at A62 to A79 in Class- A, shall be based on Soluble Threshold Limit Concentration (STLC) and Waste Extraction Test (WET) Procedure given in Appendix II of section 66261 of Title 22 of California Code regulation (CCR) shall be used.
- (3) In case of ammonia (A10), cyanide (A11) and chromium VI (A64), extractions shall be conducted using distilled water in place of the leaching media specified in the TCLP/STLC procedures.
- (4) A summary of above specified leaching/extraction procedures is included in manual for characterization and analysis of hazardous waste published by Central Pollution Control Board and in case the method is not covered in the said manual, suitable reference method may be adopted for the measurement.
- (5) In case of asbestos, the specified concentration limits apply only if the substances are in a friable, powdered or finely divided state.
- (6) The hazardous constituents to be analyzed in the waste shall be relevant to the nature of the industry and the materials used in the process.
- (7) Wastes which contain any of the constituents listed below shall be considered as hazardous, provided they exhibit the characteristics listed in Class-C of this Schedule :

1.	Acid Amides
2.	Acid anhydrides
3.	Amines
4.	Anthracene
5.	Aromatic compounds other than those listed in Class A
6.	Bromates, (hypo-bromites)
7.	Chlorates (hypo-chlorites)
8.	Carbonyls
9.	Ferro-silicate and alloys
10.	Halogen- containing compounds which produce acidic vapours on contact with humid air or water e.g. silicon tetrachloride, aluminum chloride, titanium tetrachloride
11.	Halogen- silanes
12.	Halogenated Aliphatic Compounds
13.	Hydrazine (s)

14.	Hydrides
15.	Inorganic Acids
16.	Inorganic Peroxides
17.	Inorganic Tin Compounds
18.	Iodates
19.	(Iso- and thio-) Cyanates
20.	Manganese-silicate
21.	Mercaptans
22.	Metal Carbonyls
23.	Metal hydrogen sulphates
24.	Nitrides
25.	Nitriles
26.	Organic azo and azoxy Compounds
27.	Organic Peroxides
28.	Organic Oxygen Compounds
29.	Organic Sulphur Compounds
30.	Organo- Tin Compounds
31.	Organo nitro- and nitroso compounds
32.	Oxides and hydroxides except those of hydrogen, carbon, silicon, iron, aluminum, titanium, manganese, magnesium, calcium
33.	Phenanthrene
34.	Phenolic Compounds
35.	Phosphate compounds except phosphates of aluminum, calcium and iron
36.	Salts of pre-acids
37.	Total Sulphur
38.	Tungsten Compounds
39.	Tellurium and tellurium compounds
40.	White and Red Phosphorus
41.	2-Acetylaminofluorene
42.	4-Aminodiphenyl
43.	Benzidine and its salts
44.	Bis (Chloromethyl) ether
45.	Methyl chloromethyl ether
46.	1,2-Dibromo-3-chloropropane
47.	3,3'-Dichlorobenzidine and its salts
48.	4-Dimethylaminoazobenzene
49.	4-Nitrobiphenyl
50.	Beta-Propiolactone

CLASS C : Based on hazardous Characteristics

Apart from the concentration limit given above, the substances or wastes shall be classified as hazardous waste if it exhibits any of the following characteristics due to the presence of any hazardous constituents:

Class C1: Flammable- A waste exhibits the characteristic of flammability or ignitability if a representative sample of the waste has any of the following properties, namely:-

- (i) flammable liquids, or mixture of liquids, or liquids containing solids in solution or suspension (for example, paints, varnishes, lacquers, etc; but not including substances or wastes otherwise classified on account of their dangerous characteristics), which give off a flammable vapour at temperature less than 60°C. This flash point shall be measured as per ASTM D 93-79 closed-cup test method or as determined by an equivalent test method published by Central Pollution Control Board;
- (ii) it is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes and, when ignited, burns vigorously and persistently creating a hazard;
- (iii) it is an ignitable compressed gas;
- (iv) It is an oxidizer and for the purposes of characterisation is a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter.

Class C2: Corrosive- A waste exhibits the characteristic of corrosivity if a representative sample of the waste has either of the following properties, namely:-

- (i) it is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5;
- (ii) it is a liquid and corrodes steel (SAE 1020) at a rate greater than 6.35 mm per year at a test temperature of 55 °C;
- (iii) it is not aqueous and, when mixed with an equivalent weight of water, produces a solution having a pH less than or equal to 2 or greater than or equal to 12.5;
- (iv) it is not a liquid and, when mixed with an equivalent weight of water, produces a liquid that corrodes steel (SAE1020) at a rate greater than 6.35 mm per year at a test temperature of 55 °C.

Note:

For the purpose of determining the corrosivity, the Bureau of Indian Standard 9040 C method for pH determination, NACE TM 01 69 : Laboratory Corrosion Testing of Metals and EPA 1110A method for corrosivity towards steel (SAE1020) to establish the corrosivity characteristics shall be adopted.

Class C3: Reactive or explosive- A waste exhibits the characteristic of reactivity if a representative sample of the waste it has any of the following properties, namely:-

- (i) it is normally unstable and readily undergoes violent change without detonating;
- (ii) it reacts violently with water or forms potentially explosive mixtures with water;
- (iii) when mixed with water, it generates toxic gases, vapours or fumes in a quantity sufficient to present a danger to human health or the environment;
- (iv) it is a cyanide or sulphide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapours or fumes in a quantity sufficient to present a danger to human health or the environmental;
- (v) it is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement;
- (vi) it is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure;
- (vii) it is a forbidden explosive.

Class C4: Toxic- A waste exhibits the characteristic of toxicity, if, :-

- (i) the concentration of the waste constituents listed in Class A and B (of this schedule) are equal to or more than the permissible limits prescribed therein;
- (ii) it has an acute oral LD50 less than 2,500 milligrams per kilogram;
- (iii) it has an acute dermal LD50 less than 4,300 milligrams per kilogram;
- (iv) it has an acute inhalation LC50 less than 10,000 parts per million as a gas or vapour;
- (v) it has acute aquatic toxicity with 50% mortality within 96 hours for zebra fish (*Brachidanio rerio*) at a concentration of 500 milligrams per litre in dilution water and test conditions as specified in BIS test method 6582 – 2001.
- (vi) it has been shown through experience or by any standard reference test- method to pose a hazard to human health or environment because of its carcinogenicity, mutagenicity, endocrine disruptivity, acute toxicity, chronic toxicity, bio-accumulative properties or persistence in the environment.

Class C5: Substances or Wastes liable to spontaneous combustion -Substances or Wastes which are liable to spontaneous heating under normal conditions encountered in transport, or to heating up on contact with air, and being then liable to catch fire.

Class C6: Substances or Wastes which, in contact with water emit flammable gases- Substances or Wastes which, by interaction with water, are liable to become spontaneously flammable or to give off flammable gases in dangerous quantities.

Class C5: Oxidizing - Substances or Wastes which, while in themselves not necessarily combustible, may, generally by yielding oxygen cause, or contribute to, the combustion of other materials.

Class C8: Organic Peroxides - Organic substances or Wastes which contain the bivalent O–O structure, which may undergo exothermic self-accelerating decomposition.

Class C9: Poisons (acute) - Substances or Wastes liable either to cause death or serious injury or to harm human health if swallowed or inhaled or by skin contact.

Class C10: Infectious substances - Substances or Wastes containing viable micro-organisms or their toxins which are known or suspected to cause disease in animals or humans.

Class C11: Liberation of toxic gases in contact with air or water - Substances or Wastes which, by interaction with air or water, are liable to give off toxic gases in dangerous quantities.

Class C12: Eco-toxic- Substances or Wastes which if released, present or may present immediate or delayed adverse impacts to the environment by means of bioaccumulation or toxic effects upon biotic systems or both.

Class C13: Capable, by any means, after disposal, of yielding another material, e.g., leachate, which possesses any of the characteristics listed above.

OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliajan, Pin – 786602
Dist-Dibrugarh, Assam

CORRIGENDUM NO. 3 DATED 10.02.2025 to GeM-TENDER NO. GEM/2025/B/5803599: Hiring of Drilling Environment Management Services.

This Corrigendum is issued to notify the following:

1.0 The following clauses has been amended and to be read in place of existing:

Appendix XX			
S.N.	Clause No.	Tender Description	Amended Description
1	5.1.3.3 (i)	The centrifuge preferable either of Brant (NOV), Derrick or Swaco.	The centrifuge preferable either of Brant (NOV), Derrick or Swaco or substantially equivalent make.
2	2.4 & 3.4	Waste (Dry Cuttings) transportation/disposal to designated place (Regular for in-situ disposal and call out for disposal at another designated place).	Waste (Dry Cuttings) transportation /disposal to designated place (Regular for in-situ Disposal)
3	3.4	WASTE DISPOSAL Dry Cuttings / Waste transportation /disposal to designated place (Regular for in-situ disposal and call out for disposal at another designated place).	WASTE DISPOSAL Dry Cuttings / Waste transportation /disposal to designated place (Regular for in-situ disposal)
4	5.1.3.1, 5.1.3.2, 5.1.3.3, 5.2.3.1, 5.2.3.2, 5.2.3.3	Document in Annexure VII-XII (EQUIPMENT)	Annexures VII-XII (EQUIPMENT) have been uploaded.
5	5.1.3.6 (ii)	ii) Dry cuttings are to be taken by the contractor to designated site provided by OIL for disposal (or as advised by OIL). This site will be either present drilling site or away from present drilling site where drill cuttings are generated as advised by OIL.	ii) Dry cuttings are to be taken by the contractor to designated site provided by OIL for disposal (or as advised by OIL). This site will be present drilling site.

6	5.3.1	<p>SERVICES REQUIREMENT</p> <p>iii) To facilitate the oil filled cask/ drum to dispose nearest OIL's designated place.</p>	<p>SERVICES REQUIREMENT</p> <p>iii) To facilitate the oil filled cask/ drum to dispose at OIL's designated place onsite.</p>
7	5.3.2.5	<p>Transportation</p> <p>To keep the oil filled cask/ drum at OIL's designated place onsite or offsite.</p>	<p>Transportation</p> <p>To keep the oil filled cask/ drum at OIL's designated place onsite.</p>
8	5.4.1.1	<p>GENERAL</p> <p>i) The contractor shall provide waste disposal services with equipment/tools, carrier (Transportation vehicle) and manpower to dispose drill cutting from wellsite.</p> <p>ii) Contractor shall confirm to follow all the norms of waste disposal as prescribed by PCBA or EPA, 1986 and the Rules, Regulations and Statutory Order &Circulars there under.</p> <p>iii) Drill cutting transport (in-situ or outside) will be subject to the issuance of notice/advice from OIL. Maximum distance for transportation of treated cuttings will be 60 KM.</p> <p>iv) Evacuation arrangements like JCB, Carriers or any others equipment required for such evacuations will be arranged by the contractor.</p> <p>v) Minimum 08 Numbers of Drums /Containers per set manufactured to be used for storing waste (drums or bucket with proper cover) will be in good condition, clearly labelled and properly closed when not in use to be provided. The container shall of two types (04 each type) clearly written the following:</p> <p>a) Biodegradable waste.</p> <p>b) Non-Biodegradable waste.</p> <p>Note: The container shall be handed over to the rig operator or kept with the Contractor as advise by OIL. In case of damage during the contract period, contractor shall replace the same but</p>	<p>GENERAL</p> <p>i) Contractor shall confirm to follow all the norms of waste disposal as prescribed by PCBA or EPA, 1986 and the Rules, Regulations and Statutory Order &Circulars there under.</p> <p>ii) Minimum 08 Numbers of Drums /Containers (200L capacity) per Set manufactured to be used for storing waste (drums or bucket with proper cover) will be in good condition, clearly labelled and properly closed when not in use to be provided. The container shall be of two types (04 each type) clearly written the following:</p> <p>a) Biodegradable waste.</p>

		limited to 16 Numbers maximum in total including initial supply.	<p>b) Non-Biodegradable waste.</p> <p>Note: The container shall be handed over to the rig operator or kept with the Contractor as advise by OIL. In case of damage during the contract period, contractor shall replace the same but limited to 16 Numbers maximum in total including initial supply.</p>
9	5.4.1.2 (i)	i)Testing of Drill Cuttings or Drill Waste (Solid Drill Cutting) under Schedule-2 of Hazardous Wastes (Management & Handling) Rule 1989. [Refer to Appendix: Drilling Cutting Testing].	i)Testing of Drill Cuttings or Drill Waste (Solid Drill Cutting) under Schedule-2 of Hazardous Wastes (Management & Handling) Rule 1989. [Refer to Appendix: Drilling Cutting Testing]
10	5.5.1	<p>Table 4: Sl.No 2 Plant Manager</p> <p>Education Qualification</p> <p>Graduate Engineer in Chemical/Mechanical/Diploma in Chemical/Mechanical Engineering from AICTE recognised institute / Science Graduate with Chemistry as a subject from Govt. recognized University</p>	<p>Table 4: Sl.No 2 Plant Manager</p> <p>Education Qualification</p> <p>Graduate Engineer in Electrical/Instrumentation/Chemical/Mechanical Diploma in Electrical/Instrumentation/Chemical/Mechanical Engineering from AICTE recognised</p>

			institute / Science Graduate with Chemistry as a subject from Govt. recognized University
11	5.7	<i>iv)</i> Preparation of OIL's old pits for disposal of dried cuttings shall be done by Company. However, contractor shall have their own TSD facility for Transport/store/disposal, if OIL asks for the same.	<i>iv)</i> Preparation of OIL's old pits for disposal of dried cuttings shall be done by Company.
12	5.4.1.2 TESTING OF CUTTINGS	Testing of Drill Cuttings or Drill Waste (Solid Drill Cutting) under Schedule-2 of Hazardous Wastes (Management & Handling) Rule 1989. [Refer to Appendix: Drilling Cutting Testing]	SCHEDULE II: Appendix: Drilling Cutting Testing has been uploaded.
13	4.0 GCC Clause No. 10 (Performance Security)	Upon awarding of the contract, the contractor shall furnish performance security for an amount of 5.00% of Contract Value within thirty (30) days of receipt of LoA with a validity of three (3) months beyond contract period.	Upon awarding of the contract, the contractor shall furnish performance security for an amount of 3.00% of Contract Value within thirty (30) days of receipt of LoA with a validity of three (3) months beyond contract period.
14	29.0 SCC New Clause	IP Infringement Contractor shall indemnify and hold the Company harmless from any third party claims arising on account of intellectual property infringement with respect to its services or products except where such infringement is caused due to: Specific modification or design of Contractor equipment or Services to meet Company's specifications. Combination of Contractor's equipment or Services in combination of other equipment and/ or services not recommended by Contractor, Out of unauthorized additions or modifications of Contractor's equipment or services by Company, or Company's use of Contractor's equipment or Services that does not correspond to Contractor's published standards or specifications; in which case, the Company shall indemnify and hold the Contractor harmless.	

15	30.0 SCC New Clause	<p>Intellectual Property Ownership</p> <p>While performing the Work for the Company, Contractor may utilize expertise, know- how and other intellectual capital (including intellectual property) and develop additional expertise, know-how and other intellectual capital (including intellectual property) which are Contractor's exclusive property and which Contractor may freely utilize in providing services for its other customers. Except where expressly and specifically indicated in writing, and in exchange for appropriate agreed payment, Contractor does not develop any intellectual property for ownership by Company, Contractor retains sole ownership of any such intellectual capital (including intellectual property) created by Contractor during the course of providing the Services.</p>
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2.0 Note: Considering urgency of the services of subject tender, Bid Closing Date (B.C.D) shall not be further extended hence, bidders are advised to submit their bid within the current B.C.D. Additionally, queries/clarifications received against the tender within less than 3 days to B.C.D will not be entertained and replied. OIL will not be responsible for non-receipt or late receipt of any bidder's query.

All other terms and conditions of the Bid Document including earlier amendments, if any remain unchanged. Details can be viewed at www.oil-india.com.

SD/-

SR. OFFICER- CONTRACTS (O)