

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

Corrigendum No. 3 to IFB No. CPI8113P19

Hiring of Services for Engineering and Project Management Consultancy (EPMC) for construction of new Central Bowser Unloading Station (CBUS) at Duliajan, Dibrugarh District, Assam.

1. This Corrigendum is issued to notify the following :
 - a) Terms & conditions, specifications and schedules in various sections of the Bidding Document shall stand modified to the extent indicated here below under column “Modified Clause” of **Annexure- I**.
 - b) In view of queries received from bidders in matter corresponding to technical SOW, the final OIL’s responses to the queries are generated. All the bidders are requested to refer to **Annexure- II** attached herewith.
 - c) Plot plan indicating area envisaged for New CBUS is attached as **Annexure- III**
 - d) Extension of the Bid Closing/Technical Bid Opening date and date of sale of bid document as under:-
 - i) **Bid Closing Date & Time** : 25.07.2018, 11:00 hrs. IST.
 - ii) **Technical Bid Opening Date & Time** : 25.07.2018, 14:00 hrs. IST.
 - iii) **Last Date & Time of Sale of Bid Document** : 18.07.2018, 15:30 hrs. IST.

2. All other terms and conditions of the tender remain unaltered.

3. 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.

4. Bidder to submit this Corrigendum No. 03 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.

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Annexure – I to Corrigendum No. 3

Summary of the modified terms & conditions, specifications and schedules in various sections of the Bidding Document

SL. No	RFQ Section	Reference Clause	Subject	Type	Modified Clause
1	Forwarding letter	Sl. No. (xi) [Page 2]	Completion Period	Correction	Stands modified to read as under instead of existing: Quote- 28 Months from the Date of Letter of Award (LOA) -Unquote
2	Forwarding letter	Sl. No. (xviii) [Page 2]	Duration of contract	Correction	Stands modified to read as under instead of existing: Quote- 28 Months from the Date of Letter of Award (LOA) Plus the Defect liability period -Unquote
3	Bid Rejection and Bid Evaluation Criteria	3.0	Duration of Contract Period	Correction	Stands modified to read as under instead of existing: Quote- The duration of this EPMC service shall be of 28 (Twenty Eight) months [27 (Twenty Seven) months for project completion and additional 1 month for contract/project closure activities in case EPC/LSTK contract gets extended] period from the date of Issue of LOA to the successful bidder. Offers with completion schedule longer than the above time period shall be rejected. -Unquote
4	Bid Rejection and Bid Evaluation Criteria	B. i	Annual Financial Turnover	Correction	Stands modified to read as under instead of existing: Quote- Annual Financial Turnover: The bidder must have Annual Financial Turnover of at least Rs. 72.00 Lakh (Rupees Seventy Two Lakh) in any one of the preceding 03 (three) Financial/Accounting Years from the original Bid Closing Date (BCD) as per Audited Annual Reports. -Unquote
5	General Conditions of Contract	18.0	Quantum of Liquidation Damages	Deletion	Clause no. 18.0 stands deleted.

	Part- 3, Section I				
6	General Conditions of Contract Part- 3, Section I	2.3	Completion date of contract:	Correction	Stands modified to read as under instead of existing: Quote- The duration of the Consultancy Service shall be 28 months from the date of issue of Letter of Award (LOA). In the event of delay on the part of Contractor to complete the project within the stipulated period of 28 months , Liquidation Damage (LD) as per clause No. 19.0 herewith will be applicable. -Unquote
7	Special conditions of Contract (SCC) Part 3 Section III	Note e) of Proforma B(Rev.) issued in Corrigendum No.1	Schedule of Payment	Correction	Stands modified to read as under instead of existing: Quote- In the event of delay in completion of the project beyond the period of 28 months as mentioned in BEC/BRC (Duration of Contract Period) due to reasons not attributable to the EPMC, and OIL desires to continue availing the services of the EPMC, OIL shall extend the validity of the Contract and it shall be binding on the EPMC to offer such services up to further 12 months on the quoted rates against line Item 60 of SOR. However, all retention amounts as per Schedule of Payments except the Performance Security (PBG) shall be paid back to EPMC after completion of 43 (28 months + 12 months defect liability period + additional 3 month) months . The payment for the period of further 12 months shall be guided by the Schedule of Payments. -Unquote
8	Special conditions of Contract (SCC) Part 3 Section III	Note f) of Proforma B(Rev.) issued in Corrigendum No.1	Schedule of Payment	Correction	Stands modified to read as under instead of existing: Quote- Under any circumstance OIL reserves the right to terminate the Contract as per termination clauses of the Tender. Extension of the Contract beyond 28 months is under the sole discretion of OIL -Unquote
9	Special conditions of Contract (SCC) Part 3	7.0.a	Time of completion	Correction	Stands modified to read as under instead of existing: Quote- Scope of the work has been considered in totality as detailed in document "SCOPE OF WORK & TERMS OF REFERENCE" of this tender. Time of completion for total scope of work shall be 28 (Twenty

	Section IV				Eight) months from the date of LOA to EPMC. EPMC contract will be valid till completion of 28 months from the date of LOA to EPMC and the associated defect liability period. -Unquote
10	Special conditions of Contract (SCC) Part 3 Section IV	8.0 (d)	Schedule of rates	Correction	Stands modified to read as under instead of existing: Quote- Time period for total work till completion of PGTR and project closure shall be 28 (Twenty Eight months only) from the date of LOA to EPMC. -Unquote
11	Special conditions of Contract (SCC) Part 3 Section IV	9.0 issued in Corrigendum No.1	Manpower Deployment Matrix	Correction	The indicative list of minimum manpower (domain/discipline wise) for managing various major activities as per the scope of work and terms of reference of the tender and to complete the project in totality is framed for project timeline of 28 months from the date of LOA to EPMC. Bidder to note that the Manpower Deployment Matrix as mentioned in Annexure- II to Corrigendum No.1 is retained with only changes in project timeline of 28 months.

Annexure – II to Corrigendum No. 3

CONSOLIDATED LIST OF OWNER’S RESPONSE TO THE PRE-BID QUERIES

SL No	RFQ Section	Ref. Clause	Subject	Type	Bidder’s Query	OWNER’S RESPONSE
COMMERCIAL						
1	SOR/SOP Part-3 Section III	Service line item no. 70	Travel and related expenses	Clarification	“Travel & related expenses for disengagement - re engagement of EPMC personnel and inspection services as per tender clause of SOW/TOR for both Phase I & Phase II”. Since for Phase II the EPMC’s scope is limited to preparation of tender, please confirm this travel is only for Phase I.	Travel & related expenses will be paid for disengagement- re engagement of EPMC personnel and inspection services for engineering, procurement and construction management for entire New CBUS facility including PGTR under Phase I as defined in clause 2.0 Part-3, Section- II SOW/TOR of tender document. Eventually bidder will be paid for travel & related expenses till preparation of bid document for Phase II .
2	SOR/SOP Part-3, Section III	Service line item no. 70	Item description quantity	Clarification	Please confirm that the quantity for travel shall be 60 as indicated in the SORP.	Refer service line item no. 70 Proforma A (Rev.) and Proforma B (Rev.) issued as Annexure II and III to Corrigendum No.1 to IFB No. CPI8113P19.
3	Special conditions of Contract (SCC)	9.0	Manpower for EPMC Correction	Clarification	OIL is requested to mention the minimum number of people and their category to be deployed at site.	Refer Manpower Deployment Matrix attached as Annexure- IV to Corrigendum No.1 to IFB No. CPI8113P19.

4	Bid Rejection and Bid Evaluation Criteria	1.0 of Technical Bid Rejection Criteria, Part-2 and Proforma V	Agreement between bidder and parent company	Clarification	Value of stamp paper is not mentioned in the tender	To be executed on the stamp paper of INR 500 and notarised.
5	SOR/SOP	(d) of Proforma B(Rev.)	Performance Guarantee Clause	Clarification	Bidder understands that no retention money shall be deducted in case EPMC submits performance security in the form of bank guarantee. Owner to confirm whether Bidder understands is correct.	Bidder's understanding is correct
6	SOW/TOR Part-3 Section-II	Clause 1.2.b	Soil Investigation and Topographic Survey	Clarification	Soil Investigation and Topographic Survey shall be carried out by other survey agencies. EPMC will only prepare technical specifications and review bids for award of contract by client to other agency/survey agency. Owner to confirm whether Bidder understands is correct.	Soil Investigation and Topographic Survey is under scope of EPMC. However, EPMC can outsource the job to external agency/ sub contractor. Final report to be submitted by EPMC to OIL.
7	General Conditions of Contract Part- 3, Section I	18.0 & 19.0	Quantum of Liquidation Damages	Clarification	The following may please be added as new clause 19.5: However the maximum amount of Liquidated Damages for both delay in mobilisation and delay in completion of project combined shall not exceed 7.5% of total contract value.	Clause no. 18.0 stands deleted.
8	General Conditions of Contract Part- 3, Section I	Clause 9.16	Goods and Service Tax	Modification	The clause may please be modified as under: In case of statutory variation in GST, other than due to change in turnover , payable on the contract value during contract period, the Supplier of Goods/ Services (Service Provider) shall submit a copy of the 'Government Notification' to evidence	Tender condition prevails

					the rate as applicable on the Bid due date and on the date of revision. Beyond the contract period, in case OIL is not entitled for input tax credit of GST, then any increase in the rate of GST beyond the contractual delivery period shall be to Service provider's account whereas any decrease in the rate GST shall be passed on to the OIL. Beyond the contract period, in case OIL is entitled for input tax credit of GST, then statutory variation in applicable GST on supply and on incidental services, shall be to OIL's account. Claim for payment of GST/Statutory variation, should be raised within two [02] months from the date of issue of Government Notification' for payment of differential (in %) GST, otherwise claim in respect of above shall not be entertained for payment of arrears. The base date for the purpose of applying statutory variation shall be the Bid Opening Date.	
PROJECT MANAGEMENT						
1	SOW/TOR	6.0 Project Schedule	Licence fee of Tiemchart Software	Clarification	License fees mentioned as Rs. 50000/- . Please confirm whether the license fee is annual or perpetual.	License fee of 50000/- is valid till completion and closure of this project.
2	Special conditions of Contract (SCC)	9.0 Manpower for EPMC	Manpower Deployment Matrix	Clarification	Apart from RCM and Safety Officer, EPMC shall deploy manpower of respective discipline engineers as per Clause 5.0 (iv) (a) based on site requirement with approval from OIL.	Refer Manpower Deployment Matrix attached as Annexure- IV to Corrigendum No.1 to IFB No. CPI8113P19.

3	SOR/SOP Part-3 Section III	Service line item no. 60	Plot Plan	Additional Data	Request you to furnish the plot plan for the CBUS.	As per Annexure-III to this corrigendum
PROCESS						
1	Scope of work/ Terms of Reference	Clause 1.2.a, Part-3 Section-II	Crude oil/ Condensate Bowser Capacity	Additional Data	Please inform the capacity of unloading Crude Oil as well as Condensate Tanker. In case of unavailability of data, can we consider the same as 20KL per Bowser?	New CBUS to be designed to unload 20 KL capacity Bowsers.
2	Scope of work/ Terms of Reference	Clause 1.2.a, Part-3 Section-II	No. of pumps for bowser unloading	Additional Data	OIL to suggest their existing practice.	Presently, we have two nos. of unloading pads, where we can unload four bowsers in each pad and eight bowsers can be unloaded at a time. We have six nos. of pumps and at a time we use two pumps to unload eight nos. of bowsers.
3	Scope of work/ Terms of Reference	Clause 1.2, Part-3 Section-II	Storage tank for water / oil	Clarification	Whether we should consider oil & water tank after OWS System. Please confirm.	Not required.
4	Scope of work/ Terms of Reference	Clause 1.2, Part-3 Section-II	Transfer of separated oil	Clarification	Whether the separated oil to be transferred to CTF/STF If yes, a separate pumping arrangement to be considered.	We are not going to process the crude oil. What ever received through bowser will be pumped to CTF/STF from storage tanks.
5	Scope of work/ Terms of Reference	Clause 1.2.e, Part-3 Section-II	Transfer of crude from storage tanks to central tank farm	Clarification	We presume that transfer of crude from storage tanks to central tank farm will be done by pumps. Please confirm. Also, please mention the approx. distance of storage tanks to central tank farm.	Crude oil to be dispatched to CTF/STF. EPMC needs to design pump for pumping through existing pipeline ONLY by hooking up the pump delivery to the existing pipeline.
6	Scope of work/ Terms of Reference	Clause 1.2.v, Part-3 Section-II	Process Water treatment before disposal	Clarification	Whether process water to be treated before disposal. If yes, waste water treatment facility to be envisaged.	No such facility shall be envisaged.
7	Scope of work/	Clause 1.2, Part-3	Instrument air/ potable	Clarification	It is presumed that instrument air/ potable water/ steam will be tapped	Provision for Instrument Air to be designed

	Terms of Reference	Section-II	water/ steam		from respective existing headers. Please confirm.	
8	Scope of work/ Terms of Reference	Clause 1.2, Part-3 Section-II	Automated IR Water Treatment	Clarification	Whether the IR Water Treatment System to be Fully Automatic (Auto Back Wash) / Semi-Automatic (Remote Manual Back Wash). Please clarify.	Water available at CBUS from OIL's Tipling Water supply plant shall be converted to potable form by installing on-line filters. NO IR plant is required. OIL shall provide the existing water quality data to the bidders.
9	Scope of work/ Terms of Reference	Clause 1.2, Part-3 Section-II	Instrument /Utility air system	Clarification	It is mentioned that "The following minimum utilities are required: Instrument air/Utility air system" Bidder understands that a new instrument air/utility air system is envisaged. OIL is requested to confirm.	New Instrument Air/Utility Air system required is envisaged for this installation.
10	Scope of work/ Terms of Reference	Clause 1.2, Part-3 Section-II	Steam heating systems for tankers, storage tanks and surface lines	Clarification	It is mentioned that "The following minimum utilities are required: Steam heating systems for tankers, storage tanks and surface lines" Bidder understands that providing heating system is part of SOW. Steam required for heating will be provided using existing steam generation facility. OIL is requested to confirm.	All system/facilities/pipelines/ steam coils required for transportation of steam (for flash heating of crude oil in bowser) are to be designed by EPMC. Steam required for heating will be provided from existing Boilers
11	Scope of work/ Terms of Reference	Clause 1.2, Part-3 Section-II	Crude Oil storage tanks	Clarification	It is mentioned that "Crude Oil storage tanks of 2 No.s X 500 kiloliters capacity with dyke". Also it's mentioned that "Permanent facilities: Crude Oil storage tanks (2 No.s X 500 kiloliters)" OIL is requested to confirm/clarify whether new Crude Oil storage tanks of 2 No.s X 500 kiloliters capacity are envisaged in this project	New Crude Oil storage tanks of 2 No.s X 500 kiloliters capacities are required to be designed for this project.

12	Scope of work/ Terms of Reference	Clause 1.2.a, 1.2.c & 1.2.e Part-3 Section-II	Crude Oil and Condensate handling	Clarification	As per clause: * There are separate unloading points for Crude Oil and Condensate. * Crude oil Storage tanks of 2 No's X 500 Kiloliter capacity are in scope. * Crude oil and condensate unloaded shall be transferred to crude oil storage tanks. As per clause it looks that Crude Oil & Condensate both shall be unloaded to same tanks "New Crude Oil storage tanks". Client to confirm bidders understanding.	We have to unload both crude oil and condensate in this new facility. But we have to design all the unloading points considering condensate only. We will store both crude oil and condensate in the same storage tanks.
13	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Oily Water Separation	Clarification	As per Clause: * Suitable OWS (Oily Water Separation) system shall be provided as per the latest OISD STD. Client to confirm that what is the source of feeds to OWS (Oily Water separator)?	During unloading from bowsers/cleaning of bowser pads/repairing/leakage from pump glands & pipelines, the fluid may get spilled. So, this spilled quantity will be the source of feeds to the OWS.
					Client to confirm that where to transfer / store the separated oil and separated water from oily water separator?	The separated Oil will be picked up and transferred to the same storage tanks and the water will be released to the main drainage system.
					Client to confirm that whether It is envisaged to install OWS underground?	It will be above ground
14	Scope of work/ Terms of Reference	Clause 1.1 and Clause 1.2 Part-3 Section-II	Pipeline requirement	Clarification	As per Clause 1.1: * Pipelines for transporting unloaded crude oil to Central Tank Farm are not in the Project scope. But hook up of pipelines from Storage tanks to existing dispatch pipeline to CTF/STF is in the scope of the contract. Client to confirm. As per clause 1.2: * Crude oil from the tanks shall be transported to Central Tank farm/Secondary Tank Farm located at Duliajan through existing dispatch pipeline. Hook-up of the new facility shall need to be done with this dispatch pipeline	No new pipeline is required for transporting the crude oil to CTF/STF. One 12" pipeline to STF/CTF is present just outside the Boundary of the project site. So, the delivery line of the dispatch pump near new crude tanks is to be hooked up with the existing 12" pipeline.

					<p>Bidder understands that for transferring crude oil from crude oil tank to Central Tank farm, new common pumps (A&B) taking suction from both the new crude storage tanks are also required and shall be in this project scope. Client to confirm.</p>	Bidder's understanding is correct
					<p>Bidder understand that line from new storage tanks to new pumps suction and line from new pumps discharge upto existing dispatch line hook-up point are also in this project scope. Client to confirm.</p>	Bidder's understanding is correct
15	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Utility air/ Instrument air and Steam heating system	Clarification	<p>As per clause * The following minimum utilities are required: o Instrument air / Utility air system. o Potable & Fire Water supply system (Automated IR Water Treatment with source water deep tube well with level switch for overhead tanks) o Steam Heating System for tankers, storage tanks & surface lines. Bidder understands that following utilities shall be available at site and only hook-up to be taken for new facility: * Instrument air, Utility Air * Steam</p>	<p>[1] Instrument / Utility air shall be completely new system that comprises air compressor and all associated equipments and there is no Hook-Up with existing system.</p> <p>[2] Steam required for flash heating will be provided using existing boilers. But all the steam lines from boiler (around 300 m outside the plant boundary) to all unloading points need to be designed. Additionally provision for steam heating of the surface oil lines is to be made.</p> <p>[3] Water available at CBUS from OIL's Tipling Water supply plant shall be converted to potable form by installing on-line filters. NO IR plant is required. OIL shall provide the existing water quality data to the bidders.</p>

16	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Portable water maker	Clarification	As per clause * The following minimum utilities are required: Potable & Fire Water supply system (Automated IR Water Treatment with source water deep tube well with level switch for overhead tanks). Bidder understands that new Potable water maker and its one new dedicated (only for potable water) overhead tank are in this project scope. Source of water shall be from new tube well and shall be stored in overhead tank via Potable Water Maker. Client to confirm.	Water available at CBUS from OIL's Tipling Water supply plant shall be converted to potable form by installing on-line filters. OIL shall provide the existing water quality data to the bidders.
17	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Automated IR system	Clarification	As per clause * The following minimum utilities are required: Potable & Fire Water supply system (Automated IR Water Treatment with source water deep tube well with level switch for overhead tanks). Client to confirm that automated IR system is to be installed only for potable water generation.	Water available at CBUS from OIL's Tipling Water supply plant shall be converted to potable form by installing on-line filters No IR plant and overhead tank for storing water is envisaged in this project. OIL shall provide the existing water quality data to the bidders.
18	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Tube well pumps	Clarification	As per clause * The following minimum utilities are required: Potable & Fire Water supply system (Automated IR Water Treatment with source water deep tube well with level switch for overhead tanks). Bidder understands that tube well pumps are new and under this project scope.	Water available at CBUS from OIL's Tipling Water supply plant shall be converted to potable form by installing on-line filters No IR plant and overhead tank for storing water is envisaged in this project. OIL shall provide the existing water quality data to the bidders.
19	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Overhead tank for fire water system	Clarification	As per clause * The following minimum utilities are required: Potable & Fire Water supply system	No. For fire water system, we have an existing 610 KL fire water tank. All other fire fighting and suppression system have to be

					(Automated IR Water Treatment with source water deep tube well with level switch for overhead tanks). Bidder understands that one new overhead tank dedicated to Fire water system is to be installed under this project scope. Source of fire water shall be from new tube well and shall be stored directly in overhead tank. Client to confirm.	designed. Water available at CBUS from OIL's Tipling Water supply plant shall be converted to potable form by installing on-line filters No IR plant and overhead tank for storing water is envisaged in this project. OIL shall provide the existing water quality data to the bidders.
20	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Heating System	Clarification	Bidder understands that there will be integral heating system on tankers. Steam heating shall be provided for storage tanks & surface lines. Steam heating system shall be completely new system that comprises boiler, DM water system and all associated equipments and there is no Hook-Up with existing system. Company to confirm.	There is no heating system in the tankers; we have to provide steam heating to the tankers for flash heating of crude. Steam will be taken from the existing boiler. All the surface oil lines need to be designed with steam heating arrangement and new steam lines need are to be hooked up with the existing boiler around 300 m outside the plant boundary.
21	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Operator cabin, Amenity cabin & Guard house	Clarification	Company to clarify Operator cabin, Amenity cabin & Guard house are Portable cabins or steel/concrete structures.	All establishments will be permanent ones.
22	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Toilet facility	Clarification	Company to clarify toilet facility is to be provided with Operator cabin, Amenity cabin & Guard house or as a separate package/facility.	Part of SCOPE in both Phase I & Phase II EPMC needs to design the same.
23	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Pipeline elevation	Clarification	Company to clarify Pipelines from Storage tanks to existing dispatch pipeline are underground or above ground and the length of the pipe line.	Above ground and approximately 100 mts elevation. But the length of the pipe will depend where the storage tanks are plotted.
24	Scope of work/ Terms of	Clause 1.2 Part-3 Section-II	Drainage system	Clarification	Company to provide Existing Plot Plan showing existing facilities like drainage system Fire water lines etc. and also the	Now existing drainage system is present inside the project site. One drain is present just near the

	Reference				plot size for the new areas to be developed.	boundary of the project site. All fire water lines need to be design new.
25	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Source of water	Clarification	Company to clarify whether fire water supply system shall have NEW Fire water pumps and associated facilities along with the source of water i.e. above ground or underground	Only source of water and fire water tank are excluded from the project. All other facilities for fire fighting and suppression need to be designed.
26	Scope of work/ Terms of Reference	Section 4.3 Part – 3 Section – II,	Expansion plans	Clarification	Company to clarify the extent of further expansion for facilities as mentioned in ” The layout & installation should provide optimum space for further expansion in terms of plant’s storage & operating capacity”.	Not required.
27	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Condensate after steam heating	Clarification	Please confirm whether the condensate shall be recovered with flash tank and pumps OR drained to surface drain.	Flash heating with steam will be used as and when required. The complete quantity of condensate (or Crude oil, as the case may be) in the bowser is to be evacuated and transferred to the storage tank. The entire system is to be designed for zero spillage. Any accidental spill of condensate will be allowed to evaporate to the atmosphere.
28	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Storage tank for water / oil Transfer for separated oil	Clarification	We presumed separated water from OWS will be drained to surface drain and oil will be collected in drum. Please confirm	Bidder’s understanding is correct
					Unlike our assumption as stated above, Whether the separated oil to be transferred to CTF/STF. If yes, a separate pumping arrangement to be considered.	Pumping arrangement to be designed for pumping collected crude from tank to CTF/STF line.
29	Scope of work/ Terms of Reference	Clause 1.0 Part-3 Section-II	Terminal point	Clarification	What is the Terminal Point of Condensate?	Condensate evacuated from out step wells (located upto 30 km distance) to be unloaded at CBUS.
					What is the distance of Terminal Point of Crude Oil from the CBUS fence?	Crude oil evacuated from out step wells (located up to 30 km distance) to be unloaded at CBUS.

30	Scope of work/ Terms of Reference	Clause 1.2 Part-3 Section-II	Oil Water Separator	Clarification	This separator is sized for spillage oil if any in the unloading area. Please confirm	Bidder's understanding is correct
31	Scope of work/ Terms of Reference	Clause 1.2, Part-3 Section-II	Condensate storage tanks	Clarification	Is there any storage tank for condensate? If Yes, Please give details	Tank is common for both crude and condensate.
FIRE AND SAFETY						
1	Scope of work/ Terms of Reference	Clause 1.2.j, Part-3 Section-II	Fire Fighting system	Clarification	It is presumed that water for fire-fighting system will be tapped from existing fire water header; no new fire pumps are envisaged. Please confirm.	EPMC needs to design
2	Scope of work/ Terms of Reference	Clause 1.2.d, Part-3 Section-II	Charges of chairpersons for safety studies	Clarification	Charges of chairpersons for safety studies (including HAZOP, SIL etc) shall be paid by Client to safety agencies directly. Client to confirm if bidder's understanding is correct.	All charges of chairpersons for conducting safety studies are to be paid by EPMC and bidder to quote inclusive of such charges in Price Bid.
ELECTRICAL						
1	Scope of work/ Terms of Reference	4.3.5, Part-3 Section-II	Terminal point of receiving station	Clarification	If Power distribution to the Drive is within the scope of EPCM, please indicate terminal point of power receiving for further distribution.	Electrical power for the project can be made available from the nearby 33/3.3 KV Substation. Aerial Distance would be approximately 350 mtrs. 750mA NGR at the neutral of 3.3kV/415V transformer (considering utility would be at 415 V)& NGR monitoring system to comply with requirements of CEA Regulation, 2010 (Rule 100)
2	Scope of work/ Terms of Reference	4.3.5, Part-3 Section-II	Illumination system	Clarification	a. In this clause also we find the scope of electrical is only for Illumination, cable for illumination system & earthing. b. We think supply of panels, single line diagrams are for illumination system	Designing the electrical system by EPMC should include the following: [1] Tapping of power from existing 3.3KV Indoor Switchgear. [2] Designing of all down the line

					only. Please Confirm	<p>electrical equipment, e.g. HT Panel HT Cables Transformer LT Panel Neutral Grounding Resistance System LT Cables Distribution boards Illuminations (Area, Shed, Office etc.) Comprehensive Earthing System Lightning Protection to the entire installation (New CBUS) as per IEC 62305. Separate Lighting systems for hazardous & non-hazardous area. Design of Capacity of the equipment (pump/motor) Adherence to all statutory requirements. [3] Any other electrical works that the project demands</p>
3	Scope of work/ Terms of Reference	Clause 1.2, Part-3 Section-II	Feed and earth grid	Clarification	<p>Bidder understands that Electrical power (for New CBUS facilities) will be available from existing facilities/ installations. No modification at existing feeding switchboards is envisaged.</p>	<p>Electrical power for New CBUS facilities shall be available from 1 (One) of the OCB /feeder installed at existing 3.3 kV indoor switch gear room. The make of the OCB is Mysore Electrical Industries Limited, Bangalore. Maximum power that can be catered for would be 1 MVA. Under the scope of the works for the New CBUS (<u>with reference to taking power from OIL's existing system only</u>), the successful bidder shall have to Supply, Install, Test & Commission suitably rated</p>

						<p>underground cable from the above feeder for the proposed plant. Aerial distance between the above Switch-gear Room & the nearest edge of the proposed New CBUS is @ 300 mtrs. The existing feeder is facilitated with O/C, E/F tripping provisions with numerical relay.</p>
					Existing earth grid is available nearby for connection with new equipment of CBUS. Client to confirm above understanding of Bidder.	The existing earth grid at Old CBUS shall not be used for New CBUS. The <u>New CBUS shall have its own earth grid(s)</u> for its new equipment(s) & the system as a whole.
4	Scope of work/ Terms of Reference	Clause 4.3.5 Part-3 Section-II	Line diagram of existing switchboard	Clarification	Client to provide location and single line diagram of existing switchboard which will power new equipment of CBUS.	<p>Requirement of Single Line Diagram by the bidder at this juncture might be for the purpose of ascertaining the maximum load that can be catered from OIL's existing electrical system. For this it is to be communicated that, Power for New CBUS shall have to be tapped from OIL's existing system at 3.3 kV. Maximum of 1 MVA power can be catered from OIL's existing system. The Single Line Diagram can however be shared at time of designing the Electrical system for New CBUS.</p>
5	Scope of work/ Terms of Reference	Clause 4.3.5 Part-3 Section-II	Equipment layout and location of feeding switchgear	Clarification	Client to furnish the equipment layout/ plot plan indicating area envisaged for CBUS and location of feeding switchgear room.	As per Annexure-III to this corrigendum

CIVIL AND STRUCTURAL						
1	Scope of work/ Terms of Reference	4.3.6 Part -3, Sec-II	Civil and Structural Engineering	Clarification	As per clause no (iii) and (v), the scope of civil and structural engineering and generation of RFC drawings and documents are under the scope of EPC/LSTK contractor like the other on-going Dikom WIS project of OIL. However, requirement of clause no. (iv) and (vi) are contradictory to that of clause no (iii) and (v) as stated above. We presume clause no (iii) and (v) will stand. Please confirm.	Bidder's understanding is correct
					Referring to point no. (vii), it is assumed that all necessary tests shall be carried out by the LSTK Contractor. However, EPMC will provide necessary guidelines in this regard.	Tender conditions prevails
					Incorporation of revisions and As- built Drawing as stated in clause no (viii) and (ix) respectively shall be under the scope of EPC/LSTK company. However, review of same will be done by EPMC. Please confirm	Tender conditions prevails
CONTROL AND INSTRUMENTATION						
1	Scope of work/ Terms of Reference	1.2.S Part -3, Sec-II	Instrumentation for process automation	Clarification	Whether the bowser unloading system will be fully automatic type or semi-automatic type through operator's intervention.	We want to minimize human intervention using best available technology
					We presume that it is an independent PLC based system. Please confirm. Is this system to be hooked up to any third party system?	It will not be hooked up with any third party.

Satellite view of New CBUS



NEW CBUS SITE



******End of Corrigendum No. 3******