

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

Corrigendum No. 2 to IFB No. CPI8865L19

Hiring of Engineering and Project Management Consultancy (EPMC) services for construction of 04 (four) Water Injection Station in OIL's operational area near Duliajan, Assam

1. This Corrigendum is issued to notify the following :
 - a) Terms & conditions 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) Revised SOR&P is attached herewith as **Annexure- III**
 - d) Extension of the Bid Closing/Technical Bid Opening date as under:-
 - i) Bid Closing Date & Time** : 12.09.2018, 11:00 hrs. IST.
 - ii) Technical Bid Opening Date & Time** : 12.09.2018, 14:00 hrs. IST.
2. 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.
3. Bidder to submit this Corrigendum No. 02 along with **Annexure – I, II and 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.

SUMMARY OF MODIFICATION OF TERMS & CONDITIONS AND SCHEDULES IN VARIOUS SECTIONS OF THE BIDDING DOCUMENT

SL No	RFQ Section	Reference Clause	Subject	Type	Modified Clause
1	PART-2- Bid Evaluation Criteria	SECTION D GENERAL	Price bid evaluation	Modification	<p>Price bid evaluation criteria clause 3.0</p> <p>To ascertain the inter-se-ranking, the comparison of the responsive bids will be made subject to loading for any deviation. Commercial (Priced) Bids shall be evaluated taking into account the rates quoted in the Price Schedule in the Part-3 Section-III, “Schedule of Rates & Payment” by taking into account the summation of the following: TOTAL ESTIMATED CONTRACT VALUE (T)= A+B+C+D+E+F+G+H Where, A - Total Charge for item no 10: 1% of the total contract cost “T” B - Total Charge for item no 20: 12% of the total contract cost “T” C - Total Charge for item no 30: 5% of the total contract cost “T” D - Total Charge for item no 40: 10% of the total contract cost “T” E - Total Charge for item no 50: 5% of the total contract cost “T” F- Total Charge for item no 60: 15% of the total contract cost “T” G - Total Charge for item no 70: 50% of the total contract cost “T” H - Total Charge for item no 80: 2% of the total contract cost “T” Note: GST amount obtained by multiplying the quoted Grand Total price (T) in SOR/P with the prevailing rate of GST as on the Bid Closing Date will be considered for evaluation of bid. Total Lump sum EPMC price = T + Amount of GST price as stated above</p>
2	Part-3 Section III	SOR&P	-----	Modification	This section shall be replaced by Annexure III
3	2.1 Forwarding letter		Eligibility	Clarification	Although the tender has been addressed to 6 parties. Bids of all parties including the shortlisted ones will be accepted subjected to fulfilment of BEC as per Part 2 of tender document.

Annexure-II

**PRE- BID QUERIES FOR CPI8865L19 ENGINEERING & PROJECT MANAGEMENT CONSULTANCY (EPMC) FOR
CONSTRUCTION OF 04 (FOUR) WATER INJECTION STATION AT DULIAJAN, ASSAM.**

Sr. No	REFERENCE OF BIDDING DOCUMENT				BIDDER'S QUERY	OIL INDIA CLARIFICATION
	Part/ Section	Page No.	Clause No.	SUBJECT		
1	PROCESS	59/13	Cl. 2.1	Injection Water source	It seems that the Injection water source is the treated water from ETP Tengakhat and STF, Madhuban only. There is no provision of borewell water as secondary supply of water for WIS. Please confirm.	Bidders' understanding is correct.
		59/13	Cl. 2.1	Injection Water source	Please let us know the quality of treated water to each WIS to ascertain the dosing requirement.	Same as treated water quality of ETP, Tengakhat
		59/13	Cl. 2.1	Injection Water source	Please confirm the battery limit of start of our engineering work so far treated water is concerned.	Battery limit is from receipt inlet of TEP water to injection manifold.
		59/13	Cl. 2.1	Injection Water source	Please indicate the flow rate of treated water to be supplied to each of the WIS system.	Flow rate to GCS#6 (4000KLPD), rest three will receive 1500 KLPD
		59/13	Cl. 2.1	Injection Water transfer	It seems that GCS#6 needs to have additional pump for transferring water to WIS#208. Please confirm whether redundancy is required for this pump or not.	Redundancy of pumps will be required.
		59/13	Cl. 2.1	Injection Water transfer	Please confirm that the terminal point of Injection water shall be at the injection water manifold inside the plant area.	Confirmed.
		59/13	Cl. 2.1	Potable Water & Service Water	OIL to confirm the source and scope of EPMC in this regard.	Source of potable water from the Deep tube well and necessary storage & filtration system to be considered.

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	Part/ Section	Page No.	Clause No.	SUBJECT		
		59/1 13	Cl. 2.1	Meteorological Data	OIL to furnish meteorological data for all the sites.	Meteorological data will be same as Dikom area.
2	EQUIPMENT ENGG.	59/1 13	Cl. 2.1	Pumps	We are considering 2 Working + 2 Stand-By Water Injection Pumps. Please confirm.	Confirmed
		65/1 13	Cl. 4.3.3	Storage Tanks	OIL to indicate the nos and capacity of treated water storage tank and also bore well water storage tanks if Bore well is envisaged in any station	Two nos. of 1500 KL. Capacity treated water storage tanks will be required in each WIS.
		66/1 13	Cl. 4.3.4	Gen Set	As per tender, it seems that the Power Requirement to the motor driven equipment in any of the WIS system and area lighting shall be met by providing 1 working + 1 standby Gen Set. We presumed that this will be diesel Gen Set. Please confirm	Prime mover of Main Injection pumps shall be gas engine driven. For illumination & running of other electrical equipment Oil will provide single point electrical source from nearby respective installation/ source. Required electrical panels, cable etc. will be in the scope of the contract.
3	MECHANICAL			Piping	We are not considering non-metallic piping for the said project. Please confirm.	MOC of piping to be considered for handling treated formation water.
				Fire Fighting	We are considering only fire extinguishers as fire fighting system. No fire hydrant is required to be installed. Please confirm.	Correct
4	CIVIL & STRUCTURAL					
		67/1 13	Cl .4.3.6 - iii) and (iv)	Document submission— Pavement and drainage design	We presume that EPC contractor will be carrying out civil design and generate RFC drawings based on guide lines to be given by EPMC contractor. EPMC will further review	Bidders' understanding is correct.

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	Part/ Section	Page No.	Clause No.	SUBJECT		
					the drawing and design calculation to be prepared by EPC contract.. Please confirm.	
		68/1 13	Cl .4.3.6 - viii)	Incorporation of modifications during the course of execution of the project	We understand that Incorporation of modifications during the course of execution of the project shall be done by EPC contractor and EPMC will review the changes. Please confirm.	Bidders' understanding is correct.
		68/1 13	Cl .4.3.6 - ix)	"As Built Drawings"	We understand that As- built drawing preparation will be in EPC contractor's scope. EPMC will review. Please confirm.	Bidders' understanding is correct.
5	ELECTRICAL CONTROL & INSTRUMENTATION					
6		67/1 13	Cl. 4.3.5	Instrumentation	<p>1. We presume that the WISs shall be controlled from Local PLC and not from any Central Control Station. Please confirm</p> <p>2. Please confirm whether any existing SCADA is available. Please also indicate whether Important data of WIS are required to hookup with the existing SCADA if available.. In that case distance of the nearest SCADA RTU from Local Control Room is required.</p> <p>3. Please elaborate the scope of Communication system and also the existing system with which the present system is to be integrated.</p>	<p>Each WIS will be controlled from Local Control Pannel. Bidders' understanding is correct.</p> <p>SCADA is available. Provision to be kept for hooking-up with existing SCADA. Distance of nearest SCADA RTU will be provided later on.</p> <p>Data to be feed with the existing SCADA through MOD BUS.</p>
7	PROJECT MGMT					
8	PURCHASE					

Sr. No	REFERENCE OF BIDDING DOCUMENT				BIDDER'S QUERY	OIL INDIA CLARIFICATION
	Part/ Section	Page No.	Clause No.	SUBJECT		
	MANAGEMENT					
9	INSPECTION					
10	SITE SUPERVISION					
		75/13	Clause 5 / IV	Engagement of manpower	Please Indicate whether each site requires separate RCM.	One Project Manager for four sites & one site in-charge for each site.
11	EPMC PROJECT TEAM & OFFICE					
12	PROJECT SCHEDULE					
13	COMMERCIAL TERMS					
		50/13	Clause 19.0	Liquidated Damages	Please note that LD shall be applicable to EPMC only when the reasons for the delay are attributable to EPMC.	Bidders' understanding is correct.
		78/13	Part 3/III/ Proforma A & B/Service item 80	Travel & related expenses for disengagement – re engagement of EPMC personnel as per clause no. 8.4 of SOW/ TOR and inspection services as per clause no. 8.5 of SOW/TOR	Referred clause 8.4 & 8.5 is not available in tender. Please elaborate the requirement	Correct. Travel & related expenses for disengagement –re engagement of EPMC personnel as per clause no. 5 iv (f) of SOW /TOR (Engagement of Manpower) & in case of inspection of equipment & machinery, if required, OIL will pay to and fro travel expenses as per SORP.

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	Part/ Section	Page No.	Clause No.	SUBJECT		
		78/1 13	Part 3/III/ Proforma B/Service item 60	<p>Payment shall be milestone based:80% payment of the quoted price shall be made on completion of each of the following:</p> <p>i.15% Project progress ii.30 % Project progress iii.45% Project progress iv. 60% Project Progress v.75% Project Progress vi.90% Project Progress vii Mechanical Completion viii. PGTR& Successful Commissioning Remaining 20% shall be released on completion of Project Closeout.</p>	<p>Payment for review of engineering documents of EPC cannot be linked with actual physical progress of EPC work as the activity of engineering document review is normally completed much before the actual project completion. We propose the following breakup for document review</p> <p>Mechanical : 30% Civil & Structural : 40% Electrical : 20% Instrument : 10%</p> <p>Further breakup can be prepared on mutually agreement during execution of the project.</p>	Noted

Sr. No	REFERENCE OF BIDDING DOCUMENT				BIDDER'S QUERY	OIL INDIA CLARIFICATION
	Part/ Section	Page No.	Clause No.	SUBJECT		
14	SPECIAL TERMS					
15	GUARANTEES					
16	PRICE BID					
		33/1 13	Part 2/ II clause 3.0	Price Bid evaluation (Part of BEC)	<p>TOTAL ESTIMATED CONTRACT VALUE (T) = A+B+C+D+E+F+G</p> <p>Where, A - Total Charge for item no 10: 1% of the total contract cost "T" B - Total Charge for item no 20: 10% of total contract cost "T" C - Total Charge for item no 30: 3% of total contract cost "T" D - Total Charge for item no 40: 5% of total contract cost "T" E - Total Charge for item no 50: 5% of total contract cost "T" F- Total Charge for item no 60: 74% of the total contract cost "T" G - Total Charge for item no 70: 2% of the total contract cost "T"</p> <p>This is not matching with SORP. We have considered SORP as the prevailing document</p>	Correct. There is a mistake in Part 2 II clause 3.0 (Will be corrected). Bidders to follow SORP
17	ANY OTHER			EPC Contract	For all four sites there will be only one EPC tender along with O&M for one site. Please confirm.	Correct
18			Clause 21 of SCC	Defect Liability	Defect Liability does not apply for EPMC consultant. Please confirm.	Bidder's understanding isn't correct. Tender clauses prevail.

Sr. No.	REFERENCE OF BIDDING DOCUMENT				BIDDER'S QUERY	OIL INDIA CLARIFICATION
	Part/ Section	Page No.	Clause No.	Subject		
1			Clause. No. 2.1 of Part -3 Section II	Basic process philosophy	Provide approx. length of Treated water pipeline (From Tengakhat to new WISs)	Laying of pipeline from Tengakhat to WISs is not in the scope of the contract.
2			Clause. No. 2.1 of Part -3 Section II	Basic process philosophy	Whether pipeline from Tengakhat to GCS#6, WIS#208, WIS#240 & WIS#21 is under the scope of work of EPMC. Please clarify?	Not in the scope of EPMC. Battery limit will be from treated water tapping point to injection manifold.
3					Whether pipeline from GCS#6 to WIS#208 is under the scope of work of EPMC. Please clarify?	Not in the scope of EPMC.
4				Unit plot plan	Please share unit layout of GCS#6, WIS#208, WIS#240 & WIS#21 indicating earmarked area for New Water injection stations	Rough layout can be provided. Bidder is requested to visit sites.
			Clause. No. b of Para 4.3.3 of Part -3	Stress Analysis	Bidder understands that EPC contractor will carry out detail engineering and hence Stress analysis will also be done by EPC contractor. Please clarify?	Bidder's understanding is correct.

			Section II			
5					Bidder assumes that utilities will be tapped from existing systems. And no new utility systems are envisaged. Please clarify?	Normally utilities will be tapped from the existing system. But in case if there is requirement of new utilities the EPMC will have to carry out the job.
6					Bidder assumes that Fire protection system will be tapped from existing systems. And no new Fire protection system is envisaged. Please clarify?	It is envisaged that Fire protection system will be tapped from the existing system. EPMC to evaluate and ascertain the requirement of additional/new firefighting equipment/ system in the WISs. Bidder to keep in mind that WIS will handle water only.
7					We understand that main power source shall be Gen-sets only & grid power is not envisaged. Please confirm. If grid power is envisaged, please provide the details	Prime mover of Main Injection pumps shall be gas engine driven. For illumination & running of other electrical equipment Oil will provide single point electrical source from nearby respective installation/source. Calculation of required electrical panels, cable etc. will be in the scope of the contract.

Annexure - III**SCHEDULE OF RATES & PAYMENT (SOR&P)****PROFORMA A - SCHEDULE OF RATES/PRICE BID FORMAT**

Service line Item	Sl. No.	Description of Work	Unit (in words)	Qty	Unit Rate (INR)	Total Amount (INR)
10	1.	Execution PHASE-I Induction process with OIL team on the work completed so far technical understanding of the scope of work.	Lump sum	1		A
20	2.	Execution PHASE-I Topographical Survey, Soil Investigation, HAZOP study, Quantitative Risk Assessment (QRA) study, Preparation of Basic Engineering & Process specifications for EPC work and Discussion.	Lump sum	1		B
30	3.	Execution PHASE-I Finalization of Project Schedule, Preparation of Cost Estimates for EPC work and O & M for 4 years.	Lump sum	1		C
40	4.	Execution PHASE I Preparation of complete Bidding document for EPC work and O & M contract for 4 years, keeping in views the financial and contractual terms and conditions of OIL, invitation of Bids, attending Pre-bid conference and replying pre-bid queries.	Lump sum	1		D
50	5.	Execution PHASE-II Scrutiny of Bids and making final recommendation of WIS Contractor.	Lump sum	1		E
60	6.	Execution PHASE-III Project Monitoring and Engineering drawing & datasheet approval etc.	Lump sum	1		F
70	7	Execution PHASE-III Overall Construction Supervision, Inspection of incoming materials, measurement and certification of work done by EPC contractor , quality checking , Trial run and commissioning of WIS along with OIL's engineers & EPC contractor, Project closure and handing over.	Mandays	13,700		G
80	8	Travel & related expenses for disengagement –re engagement of EPMC personnel as per clause no. 8.4 of SOW/TOR and inspection services as per clause no. 8.5 of SOW/TOR	Trips	40		H
TOTAL ESTIMATED CONTRACT VALUE (T)= A+B+C+D+E+F+G+H						

PROFORMA B- SCHEDULE OF PAYMENT

Service line Item	Sl. No	Description of Work	Unit (in words)	Qty	WTG.	Payment Schedule
10	1.	Execution PHASE-I Induction process with OIL team on the work completed so far technical understanding of the scope of work.	Lump sum	1	1% of the quoted contract price.	100% payment of the quoted price against this service line no. 10 shall be made upon completion of the activity.
20	2.	Execution PHASE-I Topographical Survey & Soil Investigation, Preparation of Basic Engineering & Process specifications and Discussion, Quantitative Risk Assessment (QRA) & HAZOP study.	Lump sum	1	12% of the quoted contract price	Payment shall be milestone based: 25% payment of the quoted price against this service line no. 20 shall be made after completion of each of the following milestones: (i) Topographical survey & soil investigation (ii) Basic Engineering & Process Specification (iii) QRA study (iv) HAZOP study
30	3.	Execution PHASE-I Finalization of Project Schedule, Preparation of Cost Estimates for EPC work and O & M contract.	Lump sum	1	5% of the quoted contract price.	100% payment of the quoted price against this service line item 30 shall be made upon completion of the activity.
40	4.	Execution PHASE I Preparation of complete Bidding document for EPC work and O & M contract, keeping in views the financial and contractual terms and conditions of OIL, invitation of Bids, attending Pre-bid conference replying pre-bid queries.	Lump sum	1	10% of the quoted contract price.	80% payment of the quoted price against this service line item 40 shall be made upon completion of preparation of complete bidding document for EPC and O & M contract and the rest 20% shall be made on completion of invitation of bids, attending pre-bid conference and replying pre-bid queries after opening of technical bids.

50	5.	Execution PHASE-II Scrutiny of Bids and making final recommendation of EPC Contractor for WIS.	Lump sum	1	5% of the quoted contract price.	100% payment of the quoted price against this service line item 50 shall be made upon completion of the activity.
60	6.	Execution PHASE-III Project Monitoring, Engineering drawing and datasheet approval,	Lump sum	1	15 % of the quoted contract price.	Payment shall be milestone based:80% payment of the quoted price shall be made on completion of each of the following activities: Mechanical : 30% Civil & Structural : 40% Electrical : 20% Instrument : 10% Remaining 20% shall be released on completion of Project Closeout.
70	7	Overall Construction Supervision, Inspection of incoming materials, measurement and certification of work done by the EPC contractor, quality checking, Trial run and commissioning of the WIS along with OIL's engineers and EPC contractor. Project closure and handing over.	Mandays	13,700	50% of the quoted contract price.	Payment shall be made every month on 80% of actual work. 10% shall be paid on successfully commissioning of WIS. Remaining 10% shall be paid after completion of project closure
80	8	Travel & related expenses for disengagement –re engagement of EPMC personnel as per clause no. 5 iv (f) of SOW /TOR (Engagement of Manpower) & in case of inspection of equipment & machinery, if required, OIL will pay to and fro travel expenses.	Trips	40	2% of the quoted contract price.	Payment shall be made on the number of actual trips.

Note to SOR&P :

a) In the event the Bidder quotes a higher amount against any of the item, payment shall be limited to the percentages as mentioned in Schedule of Payment mentioned above. Balance of payment shall be released at the end of the Contract.

b) Bidders are to quote their item prices inclusive of all taxes and duties but excluding GST which will be payable at actual as extra.

c) In the event of delay in completion of the project beyond the period of 32 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. However, all retention amounts as per Service line item 60 of Schedule of Payments except the Performance security (PBG) shall be paid back to EPMC after completion of 32 months.

The payment for the period of further 12 months shall be guided by the Schedule of Payments.

d) If the project is further delayed beyond additional 12 months and OIL desires to continue availing the services of the EPMC, the rate against applicable items shall be reviewed based on mutual agreement between OIL and EPMC.

e) Under any circumstance OIL reserves the right to terminate the Contract as per termination clauses of the Tender. Extension of the Contract beyond 32 months is under the sole discretion of OIL.

f) Refer to “Scope of Work / Terms of Reference” for detailed scope of work.

g) Taxes and Duty clause (Including GST) in GCC is considered as read and complied by the bidders wherever applicable.

*******End of Corrigendum No.2*******