OIL INDIA LIMITED

(A Government of India Enterprise)

2-A, District Shopping Centre, Saraswati Nagar, Basni Jodhpur, Rajasthan

CORRIGENDUM

Addendum No. 1 Dated 16.04.2016

to

Tender No. SJI9869P16

This Addendum No. 1 dated 16.04.2016 to Tender No. SJI9869P16 for Wireless Remote Well Monitoring System at OIL's Dandewala Gas Processing Complex (DND-GPC), Dandewala, Dist. Jaisalmer, Rajasthan is issued to notify changes in BRC/BEC, Technical Specifications, Price Schedule Proforma, Latitude & Longitude of Wells & Other terms and conditions of the bid document and also to notify extension of the Bid Closing / Technical Bid Opening date as follows:

i) Bid Closing Date & Time : 17th May,2016 (11.00 Hrs, IST) ii) Technical Bid Opening Date & Time : 17th May,2016 (15.00 Hrs, IST)

iii) Last date for Sale of Bid Document: 10th May, 2016
(Application with Tender fee must reach above office within this date)

The Revised BEC/BRC & Price Schedule Proforma, changes in Technical Specifications & Other terms and conditions of the bid document, revised Latitude & Longitude of Wells are given as Annexure to this page as under:

- 1.0 The Revised BEC/BRC & Price Schedule Proforma- Annexure-IB
- 2.0 Changes in Technical Specifications & Other terms and conditions of the bid document- Annexure-AA
- 3.0 Revised Latitude & Longitude of Wells- Annexure-CC

Bidders are requested to take note of the same while preparing and submitting their offer.

Yours faithfully

OIL INDIA LIMITED

(Krishna Mohan Kumar)
Dy. Materials Manager
For Chief Manager (M&C)
For DGM Services
FOR Executive Director (RP)

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BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the õBid Rejection Criteriaö as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/RP/GLOBAL/E-01/2005 for E-Procurement (Both ICB & LCB Tenders). However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/RP/GLOBAL/E-01/2005 elsewhere, those in the BRC / BEC shall prevail.

<u> </u>	
	Complied / Not
Criteria	Complied.
	(Remarks if
	any)
1.0 BID REJECTION CRITERIA (BRC):	
The bid shall conform generally to the terms and conditions give document. Notwithstanding the general conformity of the bid stipulated specifications, the following requirements will have particularly met by the Bidders without which the same will be case non-responsive and rejected. A) TECHNICAL: The bidder must meet the following criteria failing which offer rejected:	ds to the ve to be considered
1.1 The bidder must be in business of providing Real Time M project in Oil & Gas companies for last 5 (Five) years.	Monitoring
1.2 The bidder should submit copies of supporting documents certified by bidder in support of their experience mentioned in para with the bid.	•
1.3 Bidder can be either OEM of Wireless Transmitters of Integrator. However, System Integrator must be Authorised agent wireless Transmitters.	
1.3.1 In case the bidder is OEM as stated above, bidder needs t minimum 10 years support letter from self & OEM for other ma (Gateway, Repeater Station, SCADA etc.) as per format given in C	ajor items
1.3.2 In case the bidder is System Integrator as stated above, bidde provide:a) Authorisation letter(s) from OEM of Wireless Transmitters st the bidder is the Authorised agent of their Wireless Transmit	tating that

authority certificate shall valid upto the completion of tenure of the contract including 1 (one) year warranty period in accordance with the bidding document.

b) Minimum 10 years support letter from OEM for all the major items (Wireless Transmitters, Gateway, Repeater Station, SCADA etc.) as per format given in Clause 1.4.

Note: The bidder should provide documentary evidences of supplying & successfully commissioning of the same offered system in any other organization. The documentary evidence shall be in the form Purchase Order & Completion Certificate from the end user. The bidder is required to provide the above documentary evidences if the make of Wireless Transmitters, Gateway & Repeater Stations are different.

- 1.3.3 Bidder shall offer wireless transmitters of only one manufacturer. The bid shall be liable for rejection in case of change of the proposed manufacturer after submission of bid.
- 1.4 Bidder shall provide certificate for logistic support for the complete system from the OEM. The bid shall be liable for rejection without this certificate. The format is enclosed as Annexure-BB.
- 1.5 Bidder should have experience of successfully executing at least 1(one) similar order for INR 76.00 Lakhs in preceding 5(five) years to be reckoned from the original bid closing date of the tender. Similar order implies design, supply, testing and commissioning of True Wireless Real Time Monitoring Project of process parameters (Pressure, Temperature, Flow, Level etc.) Documentary evidence should be submitted from the end user.
- 1.6 PROJECT COMPLETION PERIOD: Offers indicating Project completion period more than 240 (Two hundred forty) days from the date of issue of LOA will be summarily rejected. Bidder should provide a Project Bar Chart along with the bid.
- 1.7 The Bidder must confirm to provide Equipment (software, hardware and other related ancillaries) as specified in SECTION-II, in the bid document. However, equipments which will provide the same functionality as specified in the tender documents will also be accepted.
- 1.8 Bidder must confirm that necessary DGMS approval shall be provided for the process transmitters and other field equipments to be used at well head. The DGMS approval No. shall be affixed or embossed on each piece of equipment. In case DGMS approval is not available during supply, the same shall be supplied with DGMS field trial permission certificate. But the system will be considered successfully commissioned only after obtaining DGMS approval for all the desired equipments. The bidder has to provide valid documents in this regard. In case the bidder is not OEM then the confirmation should be provided from OEM.

- 1.9 The OEM should have full fledged technical base in India for Hardware and Software service support. The Manufacturer must have operating authorized service centre in India. Document should be attached from the OEM with full address and phone no./e-mail ID etc.
- 2.0 Bidder's offered products must be able to measure all the parameters intended and display the same via SCADA system as mentioned in the tender documents.
- 2.1 Bidder should visit the work site before bidding. Bidder must provide an undertaking on company letter head along with Technical Bid indicating that they have gone through the scope of work and visited the work site for assessment of the job involved and competent enough to carry out the intended work as per tender requirements.
- 2.2 The bidder shall provide details of wireless Real Time Monitoring project executed in previous 5 (five) years. If the bidder is the Authorised Dealer then the same details has to be furnished from OEM.
- 2.3 The bidder shall not have any record of putting on holiday by OIL or blacklisted by any Government Department/ Public Sector till placement of order.

DOCUMENTS:

Bidders must furnish documentary evidences in support of fulfilling all the above requirements as under along with the techno-commercial bid:

- (a) The necessary technical details & literature of all the offered equipments and software are to be submitted online by the bidder along with the technical bid.
- (b) Documents in the form of copies of relevant pages of Purchase Order/payment certificate/completion certificate issued by clients in support of para 1.2 for 1.1).
- (c) Documents as per Clause 1.3.
- (d) Document from OEM mentioning operating authorized service centre in India with full address and phone no.
- (e) Certificate of Logistic Support as per the format given in clause 1.4.
- (f) Documents in the form of copies of relevant pages of Purchase Orders & payment certificates/completion certificates issued by clients in support of para 1.5.
- (g) Confirmation letter regarding para 1.8 above.
- (h) Undertaking on company letter head indicating that the bidder has gone

through the scope of work and visited the work site for assessment of the job involved and competent enough to carry out the intended work.

- (i) Documents in support of clause 2.2.
- 3.0 Annual turnover of the firm in any of preceding 3 financial years (to be considered from the original bid closing date) should not be less than INR 76.00 Lakhs.
- 3.1 For consortium, at least one of the member of the consortium to meet the annual turnover criteria specified in para 3.0 above. Annual turnover of other members of consortium in any of preceding 3 financial years (to be considered from the original bid closing date) should not be less than INR 38.00 Lakhs.
- 3.2 Net worth of the firm should be positive for the preceding financial/accounting year (to be considered from the original bid closing date).

Documentary evidence related to para 3.0, 3.1 & 3.2 is required to be submitted along with Technical Bid in the form of Audited Accounts/ P&L OR Certificate from Chartered Accountant (not being an employee or a Director or having any interest in the bidders company/firm)

B) COMMERCIAL:

- i). Bids are invited under õSingle Stage Two Bid Systemö. Bidders have to submit both the õTechno-commercial Unpriced Bidsö and õPriced Bidsö through electronic form in the OIL& e-Tender portal within the bid Closing date and time stipulated in the e-tender. The Techno-commercial Unpriced bid is to be submitted as per scope of works and Technical specification of the tender and the priced bid as per the online Commercial bid format. Any offer not complying with the above shall be rejected straightway.
- ii). In Technical Bid opening, only the õTechnical RFX Responseö tab will be opened. Therefore, the bidder should ensure that Technical Bid is uploaded in the Technical RFX Response->User->Technical Bid only. No price should be given in above õTechnical RFX Responseö tab, otherwise the offer will be rejected. Please go through the help document provided in OILøs e-Portal, in details before uploading the documents.

iii). Bid security:

The bid must be accompanied by Bid Security of INR 3,04,000/- in OIL's prescribed format as Bank Guarantee or a Bank Draft/Bankers Cheque in favour of OIL. The Bid Security shall be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Chief Manager (M & C), Oil India Limited, Rajasthan Project, 2A District Shopping Centre, Saraswati Nagar, Basni Jodhpur-342005, Rajasthan, India on or before the Bid Closing

Date and Time mentioned in the Tender. If bid security in ORIGINAL of above mentioned amount is not received within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration. The Bank Guarantee towards Bid Security shall be valid for 300 days from Bid closing date.

In case of extension of Bid Closing date against the tender where a bidder has already submitted his bid with requisite bid security validity within the original B.C. Date, such bidders will extend validity of bid security covering the extended period of the bid closing date.

iv). Performance Security:

- (i) The successful Bidder will have to submit first Performance Security @ 10% of total Order Value after receipt of LOA. The Performance Security shall be valid for 15 months from the date of successful commissioning of the system.
- (ii) On issuing order for the optional wells; the bidder is required to submit second Performance Bank Guarantee (PBG) @ 10% of the order value for the optional wells. The PBG should have minimum validity for 15 months from the date of 30 days of uninterrupted successful operation of the rest of the installed system.

Bidder must confirm the same in their bid. Offers not complying with this clause will be rejected.

In case of any delay in commissioning of the system or nonconfirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.

- v). The Bank Guarantee should be allowed to be encashed at all branches within India.
- vi). Validity of the bid shall be minimum 120 days from the Bid Closing Date.
- vii). The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- viii). Bids received in physical form, but not uploaded in OIL¢s e-Tender Portal will be rejected.
- ix). The Bid documents are not transferable. Offers made by bidders who have not been issued the bid document by the Company will be rejected.
- x). Any Bid containing a false statement shall be rejected.

- xi). Bids received through the e-procurement portal shall only be accepted. Bids received in any other form shall not be accepted.
- xii). All the Bids must be Digitally Signed using õClass 3ö digital certificate with Organisation¢s name (e-commerce application) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than õClass 3 with Organisation¢s Nameö digital certificate, will be rejected.
- xiii). Technical RFx Response folder is meant for Technical bid only. Therefore, No price should be given in Technical RFx Response folder, otherwise the offer will be rejected.
- xiv). The bidder must quote their charges/rates in the manner as called for vide enclosed Price Bid Format/Price Schedule Proforma-I & Price Bid Format/Price Schedule Proforma-II and upload the same under õNotes & Attachmentö in the e-tender portal.
- xv). Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of 1(one) year from the date of successful commissioning against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplierøs expenses and no extra cost to OIL.

xvi). Integrity Pact:

OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure XII of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL & competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Any bid not accompanied by Integrity Pact Proforma duly signed (digitally) by the bidder shall be rejected straightway. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder authorized signatory who sign the Bid.

2.0 BID EVALUATION CRITERIA (BEC)

- 1.0 The bids conforming to the terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria as well as verification of original of any or all documents/ documentary evidences pertaining to BRC will be considered for further evaluation as per the Bid Evaluation Criteria.
- 2.0 Priced bids of only those bidders will be opened whose offers are found technically acceptable. The technically acceptable bidders will be informed

before opening of the "priced bid".

- 3.0 The bidder must quote for all the services mentioned in the tender. Partial offer will be rejected straightway.
- 4.0 The bidder must quote their charges/ rates in the manner as called for vide enclosed Price Bid Format/Price Schedule Proforma- I & Price Bid Format/Price Schedule Proforma-II.
- 5.0 The bid will be evaluated taking into account the rates quoted in the price bid format as per enclosed Price Bid Format/ Price Schedule Proforma-I i.e evaluated price under A & Price Bid Format/ Price Schedule Proforma-II i.e evaluated price under B and lowest evaluated bid considering total A+B will be recommended for placement of Order.
- 6.0 The quantities mentioned against each item in Price Bid Format/ Price Schedule Proforma are for evaluation purpose only. However, payment will be made at actual.
- 7.0 For evaluation of bids, total cost of Wireless Remote Well Monitoring System, Installation & Commissioning Charges, as per tender requirements, are to be considered.
- 8.0 (i) Comparison of offers will be done on Total F.O.R Oil India Limited

 Gas Processing Plant, (DND-GPC) at Dandewala near Tanot in Jaisalmer district (155 KMs approx. Distance from Jaisalmer Township) of Rajasthan as defined in para 5.0 above.
- (ii) Entire job of Wireless Remote Well Monitoring System is to be completed on Lump sum Turnkey (LTSK) basis. Complete material cost, transportation & transit insurance charges, taxes and duties including Rajasthan Entry Tax as applicable, Installation/Commissioning Charges, Training Charges including service tax etc. are to be borne by the bidder.

Bidders are however advised to provide details of applicable taxes and duties while submitting their offer.

- (iii) Bidders further note that payment of Rajasthan Entry Tax shall be on their account. OIL may issue on line transit declaration (Road Permit) as requested by them. In such case, applicable Rajasthan Entry Tax will be deducted while releasing payment. However, bidder will be solely responsible for applicable Rajasthan Entry Tax. Bidders are therefore advised to check applicability of Rajasthan Entry Tax for the quoted material and take a note of the same while preparing and submitting their offer.
- 9.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

3. GENERAL:

The Compliance statement must be filled up by bidders and to be submitted/uploaded along with their bids. In case bidder takes exception to any clause of the bidding document not covered under BEC/BRC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw/modify the deviation when/as advised by Company. The loading so done by the company will be final and binding on the bidders.

If any of the clauses in the BRC contradicts with other clauses of bidding document elsewhere, then the clauses in the BRC shall prevail.

NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

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CERTIFICATE FOR LOGISTIC SUPPORT

(To be signed by authorized signatory of the manufacturer on company's Letterhead)
1. On behalf of M/sI do hereby confirm that the Wireless Transmitters/Gateway/Repeater Station/SCADA/any other major items quoted by us/our Authorised Supplier
M/s
for Oil India Limited against Tender No shall continue to be supported by us.
2. Further confirm that in case of placement of order, we shall provide commissioning support if required during commissioning (for Authorised Supplier), backup engineering, maintenance support and spare parts support to OIL for the supplied products for a period of 10 years from the date of placement of order.
3. In case of placement of order, we shall replace the battery of the wireless devices supplied against the order on FOR destination basis without any extra cost to OIL; if the same exhausted before 5 years.
(SIGNATURE WITH COMPANY SEAL)

PRICE BID FORMAT/PRICE SCHEDULE PROFORMA-I

	Sl. No.	Particular/Activity	Unit	Qty.	Unit Rate (in INR) + Applicable Taxes	Total (in INR)
	(1)	(2)	(3)	(4)	(5)	(6)
Supply Portion	1.	Base Station at DND-GPC	Lump Sump	1	a	A=a×1
	2.	Well Head Monitoring (Pressure)	Nos.	48	b	B=b×48
	3.	Well Head Monitoring (Temperature)	Nos.	16	С	C=c×16
	4.	Well Head Monitoring (Flow)	Nos.	16	d	D=d×16
	5.	Repeater/Access Station (if any)	Nos.	As per design	e	E=e ×As per design
	6.	SCADA system	Lump Sump	1	f	F=f×1
	7.	Field Communicator with accessories	Lump Sump	1	g	$G=g\times 1$
	8.	Additional items (accessories) required to commission	Lump Sump	1	h	H=h×1
Service Portion	9.	Installation & commissioning of base Station H/Ws, Well Head Instruments, SCADA & Training	Lump Sump	1	i	I=i×1
	10.	Installation & commissioning of Repeater/Access Station	Nos.	As per design	j	J=j × As per design
		Total Evaluated : <u>A</u>	(i.e sum of c	olumn "6"	above) ::	

Note:

1.0 Repeater/Access Stations (Sl. No. 5) considered in the above format are with similar gain with similar height tower. If different gain antennas & different height towers are required for Repeater/Access Stations at different locations, then the bidder has to offer unit price of each of the Repeater/Access stations as per design. Similarly, the bidder has to offer unit cost of installation & commissioning of the same (Sl. No.10).

PRICE BID FORMAT/PRICE SCHEDULE PROFORMA-II (for optional 5 nos. wells)

	Sl. No.	Particular/Activity	Unit	Qty.	Unit Rate (in INR) + Applicable Taxes	Total (in INR)
	(1)	(2)	(3)	(4)	(5)	(6)
Supply Portion	1.	Well Head Monitoring (Pressure)	Nos.	15	a	A=a×15
	2.	Well Head Monitoring (Temperature)	Nos.	5	b	B=b×5
	3.	Well Head Monitoring (Flow)	Nos.	5	c	C=c×5
	4.	Repeater/Access Station (if any)	Nos.	As per design	d	D=d×As per design
	5.	Additional items (accessories) required to commission	Lump Sump	1	e	E=e×1
Service Portion	6.	Installation & commissioning of Well Head Instruments & Configuration at Base Station & Remote Stations	Lump Sump	1	f	F=f×1
	7.	Installation & commissioning of Repeater/Access Station	Nos.	As per design	g	G=g×As per design
	Total Evaluated: B (i.e sum of column "6" above) ::					

Note:

2.0 Repeater/Access Stations (Sl. No. 4) considered in the above format are with similar gain with similar height tower. If different gain antennas & different height towers are required for Repeater/Access Stations at different locations, then the bidder has to offer unit price of each of the Repeater/Access stations as per design. Similarly, the bidder has to offer unit cost of installation & commissioning of the same (Sl. No.7).

Signature of Bidder Seal of Company

Annexure-AA

SI.			
No.	Clause No.	Before Revision	After Revision
1	Forwarding Letter Special Note 1.0 General Qualification Criteria:	a)Bidder should have experience of successfully executing similar order for at least INR 45.60 Lakhs during last 3 years. Definition of Similar Order: Design, Supply, Installation, Testing & Commissioning of Wireless Remote Well Monitoring System as under technical specification of current tender. b) Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than INR 152.00 Lakhs.	Stands deleted. Kindly take a note of point no. 34 & 35 after revision below.
2	Forwarding Letter Special Note 4.3	The "PRICE BID" must contain the price schedule and the bidder's commercial terms and conditions. The prices of the items should be quoted in "Conditions Tab".	The bidder must quote their charges/rates in the manner as called for vide enclosed Price Bid Format/Price Schedule Proforma-I & Price Bid Format/Price Schedule Proforma-II and upload the same under õNotes & Attachmentö in the e-tender portal. Please go through Doc14 GENERAL GUIDE LINE FOR E-PROCUREMENT.doc uploaded alongwith tender documents before bid submission.

3	Forwarding Letter Para 1.0 point no. 12,17 & Para 18.0	Bid Security & Validity	The bid must be accompanied by Bid Security of INR 3,04,000/- in OIL's prescribed format as Bank Guarantee or a Bank Draft/Bankers Cheque in favour of OIL. The Bid Security shall be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Chief Manager (M & C), Oil India Limited, Rajasthan Project, 2A District Shopping Centre, Saraswati Nagar, Basni Jodhpur-342005, Rajasthan, India on or before the Bid Closing Date and Time mentioned in the Tender. If bid security in ORIGINAL of above mentioned amount is not received within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration. The Bank Guarantee towards Bid Security shall be valid for 300 days from Bid closing date. In case of extension of Bid Closing date against the tender where a bidder has already submitted his bid with requisite bid security validity within the original B.C. Date, such bidders will extend validity of bid security covering the extended period of the bid closing date.
4	Forwarding Letter Para 1.0, point no. 13 & para 17.0	Performance Security	Please take a note of point no. 32 after revision below.

5	Annexure-IA ,Section-I 2.3 - (C)	The implemented technology should help to monitor the parameters in real time on monitoring stations at DND-GPC (Dandewala Gas Processing Complex), TVC (Tanot Village Complex) & at OIL, Jodhpur. The software is required to be run on a standalone Desktop PC at DND-GPC and existing plant SCADA Desktop PC at TVC & Jodhpur. It may be noted that TVC plant SCADA system is connected to DND-GPC SCADA system through OFC link and Jodhpur SCADA system is connected through leased line to TVC SCADA network. The existing SCADA system for plant monitoring is FAST TOOLS from M/s Yokogawa.	The implemented technology should help to monitor the parameters in real time on monitoring stations at DND-GPC (Dandewala Gas Processing Complex), TVC (Tanot Village Complex) & at OIL, Jodhpur. The software is required to be run on a standalone Desktop PC at DND-GPC and existing plant SCADA Desktop PC at TVC & Jodhpur. It may be noted that TVC plant SCADA system is connected to DND-GPC SCADA system through OFC link and Jodhpur SCADA system is connected through leased line to TVC SCADA network. The existing SCADA system for plant monitoring is FAST TOOLS 8.4 from M/s Yokogawa running on Microsoft Windows XP Professional.
6	Annexure- IA, Section-I 2.6	Bidder is required to include 16 (Sixteen) nos. of Gas wells for monitoring. The map showing all well locations & latitude-longitude of the wells and DND-GPC are attached for reference.	Bidder is required to include 16 (Sixteen) nos. of Gas wells for monitoring. Besides these 16 nos. of Gas wells Bidders is required to consider another 5 (five) nos. of new wells for future monitoring purpose. These 5 (five) nos. of well will be optional and OIL may procure & commission the well site hardwares (trasnmitters, repeaters etc.) at any time within warranty period by issuing a separate order. The material value & services for total 21 (twenty one) wells will be considered during price bid evaluation. The map showing all well locations (except optional wells) & latitude-longitude of the wells and DND-GPC are attached for reference only. The bidder is requested to take co-ordinates of the well locations & DND-GPC during the site visit before bidding to confirm the same. OIL will not be responsible for any wrong co-ordinates.

7	Annexure- IA,Section-I 2.9 - (A)	A wireless remote well monitoring system for maximum of 16 (Sixteen) wells, which are naturally flowing gas wells.	A wireless remote well monitoring system for maximum of 16 (Sixteen) wells, which are naturally flowing gas wells & 5 (five) optional wells.
8	Annexure- IA,Section-I 3.0 - (III)	Repeater Stations (if required as per Bidder's survey and network Design): Repeater station consisting of radio, antenna, antenna tower, power supply (Solar or any other). The tower for mounting the antenna shall be so designed and constructed that it prevents easy access to unauthorized persons. The civil works necessary, for example, fencing, pillars, gates, etc., will also be the responsibility of the vendor. The radio should operate with licence free frequency. It should operate in the 2.4 GHz Industrial, Scientific, and Medical (ISM) radio band that typically operates from 2.40-2.480 GHz. It is recommended that the wireless transmitters must be capable for long range communication to avoid large number of repeaters.	Repeater Stations (if required as per Bidder's survey and network Design): Repeater station consisting of radio, antenna, antenna tower, power supply (Solar or any other). The tower for mounting the antenna shall be so designed and constructed that it prevents easy access to unauthorized persons. The civil works necessary, for example, fencing, pillars, gates, etc., will also be the responsibility of the vendor (as required). The radio should operate with licence free frequency. It should operate in the 2.4-2.48 GHz & 5.8 GHz Industrial, Scientific and Medical (ISM) radio band. It is recommended that the wireless transmitters must be capable for long range communication to avoid large number of repeaters. The bidder will be allowed to install the Repeater Stations at owner well pads only. The bidder may use Owner other well pads which are not considered for monitoring in this tender for installation of Repeater Stations. Morever, the height of the tower should not exceed 30 metre. The tower materials should be Mild Steel (MS). Tower anchoring should be from all sides and guy wires should be fixed at every 3 metre height of tower. Tower painting should be as per aviation standards. All the tower should have climbing ladder, Lightening arrestor, earthing, aviation warning light etc.
9	Annexure- IA,Section-I 4.0-(B)-1	Wireless Gauge Pressure transmitter with valve manifold- 48 nos.	Wireless Gauge Pressure transmitter with valve manifold- 63 nos. (including 15 nos. for 5 nos. of future wells)
10	Annexure- IA,Section-I 4.0-(B)-1-(b)	Measurement Range: 0-200 kg/cm2-32 nos.; 0-100 kg/cm2- 16 nos.	Measurement Range: 0-200 kg/cm2-63 nos. (including 15 nos. for 5 nos. of future wells)
11	Annexure- IA, Section-I 4.0-(B)-1 (n)	Process Media: Dry Natural Gas/ Wet Natural Gas (Saline Water+ Gas Condensate)	Process Media: Dry Natural Gas/ Wet Natural Gas (Saline Water+ Gas Condensate + small amount of sand)

12	Annexure- IA, Section-I 4.0-(B)	Accessories for each transmitter: Intrinsically Safe & field replaceable battery module- 1 no., 2-way valve manifold (SS 316L). The manifold shall be of reputed manufacturer like Parker, Asco, Wika, Swagelok, Hoke, Nuvo Fima or any PSU approved bought out items - 1 no., SS tag plate-1 no., Bracket mounting (as required)-1 set	Accessories for each transmitter: Intrinsically Safe & field replaceable battery module- 1 no., 2-way valve manifold (SS 316L). The manifold shall be of reputed manufacturer like Parker, Asco, Wika, Swagelok, Hoke, Nuvo Fima or any PSU approved bought out items - 1 no., SS tag plate-1 no., Bracket mounting (as required)-1 set SS Nipple (for connecting the Manifold of transmitter to the pipe)- 1 no.
13	Annexure- IA, Section-I 4.0-(B)-2	Wireless Temperature transmitter with RTD and thermo-well - 16 nos.	Wireless Temperature transmitter with RTD and thermo-well - 21 nos. (including 5 nos. of future wells)
14	Annexure- IA, Section-I 4.0-(B)-2(e)	Local Display: Digital LED/LCD display Displays real time reading and user-defined Pressure units Displays diagnostic messages for local troubleshooting 90-degree rotation capability for easy viewing	Local Display: Digital LED/LCD display Displays real time reading and user-defined temperature units Displays diagnostic messages for local troubleshooting 90-degree rotation capability for easy viewing
15	Annexure- IA, Section-I 4.0-(B)-2(o)	Process Media: Dry Natural Gas/ Wet Natural Gas (Saline Water+ Gas Condensate)	Process Media: Dry Natural Gas/ Wet Natural Gas (Saline Water+ Gas Condensate + small amount of sand)
16	Annexure- IA, Section-I 4.0-(B)-2-(p)	Pipe size (OD): 3 ½ inch; schedule 80	Pipe size (nominal dia): 2 inch API grade 5L pipe of pressure rating 5000 psi; schedule 80
17	Annexure- IA, Section-I 4.0-(B)-3	Wireless Flow transmitter with Orifice Plate/ Wireless Flow Transmitter with integral Orifice:-16 nos.	Wireless Flow transmitter with Orifice Plate/ Wireless Flow Transmitter with integral Orifice:-21 nos. (including 5 nos. of future wells)

18	Annexure-IA, Section-I 4.0-(B)-3	a) Output Signal: Wireless HART/ ISA100 b) Measurement Range: 0 to 125000 SCMD (Standard Cubic Meters per Day) Note: The transmitter will be re-ranged as per requirement. c) Amplifier housing: MFG standard with durable internal/external Intrinsically Safe antenna d) Local Display: Digital LED/LCD display Displays real time reading and user-defined Pressure units Displays diagnostic messages for local troubleshooting 90-degree rotation capability for easy viewing e) Power supply: Battery Powered f) Cover O-rings: Buna-N or equivalent	a) Output Signal: Wireless HART/ ISA100 b) Measurement Range: 0 to 125000 SCMD (Standard Cubic Meters per Day) Note: The transmitter will be re-ranged as per requirement. c) Wetted parts material (Suitable for corrosive gases): Process Connection: SS316L Diaphragm: Hastelloy C Others: SS316L d) Amplifier housing: MFG standard with durable internal/external Intrinsically Safe antenna e) Local Display: Digital LED/LCD display Displays real time reading and user-defined Flow units Displays diagnostic messages for local troubleshooting 90-degree rotation capability for easy viewing f) Power supply: Battery Powered
		g) Degree of protection: IP66/IP67, NEMA 4 h) Accuracy: +/- 0.1 % of calibrated span i) Stability: +/- 0.1% of URL for 3 years j) Update rate: User selectable from 10 sec to 60 sec k) Hazardous Area Classification: Class I, Division I, Gas Group D l) Battery life: Minimum 5 years for 60 sec updation rate m) Process Media: Dry Natural Gas/ Wet Natural Gas (Saline Water+ Gas Condensate) Note: The natural gas contains around 25-35% CO2. n) Pipe size (OD): 3½ inch; schedule 80	g) Cover O-rings: Buna-N or equivalent h) Degree of protection: IP66/IP67, NEMA 4 i) Accuracy: +/- 0.1 % of calibrated span j) Stability: +/- 0.1% of URL for 3 years k) Update rate: User selectable from 10 sec to 60 sec l) Hazardous Area Classification: Class I, Division I, Gas Group D m) Battery life: Minimum 5 years for 60 sec updation rate n) Process Media: Dry Natural Gas/ Wet Natural Gas (Saline Water+ Gas Condensate + small amount of sand) Note: The natural gas contains around 25-35% CO2. The gas composition of each well will be provided at the time of execution. o) Pipe size (nominal dia): 2 inch API grade 5L pipe of pressure rating 5000 psi; schedule 80

19	Annexure-IA 4.0-(B)-3	Accessories for each transmitter: Intrinsically Safe battery module-1 no., SS tag plate-1no., Mounting bracket (as required) - 1 set, 5-way valve manifold (SS 316L). The manifold shall be of reputed manufacturer like Parker, Asco, Wika, Swagelok, Hoke, Nuvo Fima or any PSU approved bought out items- 1 no. Orifice Plate assembly: 1 no. 3½ inch Concentric Orifice Plate (Material: SS 316L), 2 nos. 3½ inch 900# RTJ SS flange with metal gasket & bolts as required.	Accessories for each transmitter: Intrinsically Safe battery module-1 no., SS tag plate-1no., Mounting bracket (as required) - 1 set, 5-way valve manifold (SS 316L). The manifold shall be of reputed manufacturer like Parker, Asco, Wika, Swagelok, Hoke, Nuvo Fima or any PSU approved bought out items- 1 no. Orifice Plate assembly: 1 no. 2 inch Concentric Orifice Plate (Material: SS 316L), 2 nos. 2 inch nominal dia 900# RTJ SS flange with SS ring gasket & SS bolts as required.
20	4.0-(B)-6 Annexure- IA, Section-I	SS Isolation valves for all the transmitters (2 nos. for each Flow arm Pressure Transmitter) Impulse Line- Such items shall be from reputed manufacturer like Parker, Asco, Wika, Swagelok, Hoke, Nuvo Fima or any PSU approved bought out items.	Delete.
21	Annexure- IA, Section-I 4.0-(B)-8	If the communication protocol of the wireless transmitters is other than Wireless HART, then the bidder must supply Intrinsically Safe Handheld Field Communicator with accessories or configuration Software with IS rated Hardware for communicating with the wireless transmitters for configuration/calibration -1 no. Accessories: Battery charger 230 VAC, cables, carrying bag etc.	The bidder must offer Intrinsically Safe Handheld Field Communicator with accessories or configuration Software with IS rated Hardware for communicating with the wireless transmitters for configuration/calibration -1 no. The bidder has to offer the unit price of the communicator along with accessories in the price bid format. Accessories: Power Adapter (100-230 VAC), Rechargeable battery, cables, carrying bag etc.

22	Annexure- IA, Section-I 4.0-(C)-1	Solar Battery-Powered Wireless repeater with built-in 2.4 GHz license-free Wireless radio module, packaged in weatherproof housing.	Solar Battery-Powered Wireless repeater with built-in 2.4-2.48 GHz & 5.8 GHz license-free Wireless radio module, packaged in weatherproof housing.
23	Annexure- IA,Section-I 4.0-(C)-5	2.4 GHz free-band microwave radio with antenna, if required.	2.4-2.48 GHz & 5.8 GHz free-band microwave radio with antenna, if required.
24	Annexure- IA, Section-I 4.0-(D)-1(f)	New Inclusion	Any Integration required for running SCADA on the existing HMI of SCADA at TVC & Jodhpur will be in bidder's scope.
25	Annexure- IA, Section-I 5.0 -19	Successful bidder has to take necessary approval from concerned government authority for setting up of radio communication and installation of towers for mounting the repeaters/radios as operating location is located near high security international border. No objection certificate should be obtained before commencement of works.	OIL will apply necessary approval from concerned government authority for setting up of radio communication and installation of towers for mounting the repeaters/radios as operating location is located near high security international border. OIL would like to limit the tower height of maximum 30 meter. However, bidder should design tower considering optimum height required for a robust communication network.
26	Annexure- IA, Section-I 5.0 - 20	The tower should be designed in such a way that person can climb the tower safely to attend any services required for the equipments mounted on top. However, the bidder should install less serviceable items at the top of the tower. The tower & its foundation should have sufficient strength to withstand any weather conditions like heavy storm, heavy rain etc. The foundation should be well protected from rain cut.	The tower should be designed in such a way that person can climb the tower safely to attend any services required for the equipments mounted on top. However, the bidder should install less serviceable items at the top of the tower. The tower & its foundation should have sufficient strength to withstand any weather conditions like heavy storm, heavy rain etc. The foundation should be well protected from rain cut. The tower structure should be cylindrical pipe type to minimize the effect of wind. The bidder is required to provide the tower & foundation details along with the bid.

27	Annexure- IA, Section-I 11.0	i) Accommodation & Fooding for Bidder's personnel (maximum 2 nos.) shall be provided at OIL's camp at Tanot depending on the availability during site survey after awarding contract (for 1 visit), commissioning period and any emergency visit during the warranty period. ii) Transportation of Bidder's personnel from Jaisalmer to OIL's base camp site at Tanot, OIL's base camp site at Tanot to work sites shall be provided by OIL during execution, commissioning and any emergency visit during warranty period. iii) OIL will not be responsible for accommodation, fooding and transportation services for third party personnel.	i) Accommodation & Fooding for Bidder's personnel (maximum 2 nos.) shall be provided at OIL's camp at Tanot depending on the availability during site survey after awarding contract (for 1 visit), commissioning period and any emergency visit during the warranty period. ii) Transportation of Bidder's personnel (maximum 2 nos.) from Jaisalmer to OIL's base camp site at Tanot, OIL's base camp site at Tanot to OIL's work sites shall be provided by OIL during execution, commissioning and any emergency visit during warranty period. iii) OIL will not be responsible for accommodation, fooding and transportation services for third party personnel. However, the third party personnel may set up camp at any of the OIL's non-production well site depending on the permission from BSF/District Authority.
28	Annexure-IA 12.0	Date of commissioning of the complete system will be considered after 30 (thirty) days of uninterrupted successful commissioning of the whole system considering the system is supplied with valid DGMS approval of the field devices. If the system is supplied with DGMS field trial permission, then the system will be considered as successfully commissioned only after obtaining valid DGMS approval for all the field devices of the system for which DGMS approval has been specifically asked for.	Date of commissioning of the complete system will be considered after 30 (thirty) days of un-interrupted operation of the whole system considering the system is supplied with valid DGMS approval of the field devices. If the system is supplied with DGMS field trial permission, then the system will be considered as successfully commissioned only after obtaining valid DGMS approval for all the field devices of the system for which DGMS approval has been specifically asked for.

29	Annexure- IA, Section-I 15.3	The payment will be made as follows in case the bidder is able to supply the materials along with DGMS approval for all the field equipments: a) 80% of the material cost (FOR destination) will be paid after receiving the complete materials at site along with DGMS certificate. b) 20% of the remaining material cost (FOR destination) + 70% of the total installation & commissioning charges will be paid after 30 (thirty) days of un-interrupted successful commissioning of the whole system. c) 30% of the remaining installation & commissioning charges will be paid after successful off-site training at vendor's training centre.	The payment will be made as follows in case the bidder is able to supply the materials along with DGMS approval for all the field equipments: a) 80% of the material cost (FOR destination) will be paid within 30 days after receiving the complete materials at site along with DGMS certificate. b) 20% of the remaining material cost (FOR destination) + 70% of the total installation & commissioning charges will be paid within 30 days after 30 (thirty) days of un-interrupted successful operation of the whole system. c) 30% of the remaining installation & commissioning charges will be paid within 30 days after successful off-site training at vendor's training centre.
30	Annexure- IA, Section-I 15.4	The payment for equipment supplied with DGMS field trial permission shall be to the extent of 50% of total cost of the equipment for which DGMS approval is asked for. The balance 50% shall be made on submission of DGMS approval. The system will be considered as successfully commissioned only after obtaining valid DGMS approval for all the required equipments.	The payment for supply & services of 5 wells will be made as follows in case the bidder is able to supply the materials along with DGMS approval for all the field equipments: a) 80% of the material cost (FOR destination) will be paid within 30 days after receiving the complete materials at site along with DGMS certificate. b) 20% of the remaining material cost (FOR destination) + 100% of the total installation & commissioning charges will be paid within 30 days after 30 (thirty) days of un-interrupted successful operation of the rest of the installed system.
31	Annexure-IA 15.5	New Inclusion	The payment for equipment supplied with DGMS field trial permission shall be to the extent of 50% of total cost of the equipment for which DGMS approval is asked for. The balance 50% shall be made on submission of DGMS approval. The system will be considered as successfully commissioned only after obtaining valid DGMS approval for all the required equipments.

32	Annexure- IA, Section-I 17.0	Performance Bank Guarantee (PBG): The successful bidder is required to submit Performance Bank Guarantee (PBG) @ 10% of the total order value. The PBG should be valid for 12 months from the date of successful commissioning of the whole system considered as per clause 12.0.	Performance Bank Guarantee (PBG): a) The successful bidder is required to submit First Performance Bank Guarantee (PBG) @ 10% of the total order value. The PBG should be valid for 15 months from the date of successful commissioning of the whole system considered as per clause 12.0. b) On issuing order for the optional wells; the bidder is required to submit second Performance Bank Guarantee (PBG) @ 10% of the order value for the optional wells. The PBG should have minimum validity for 15 months from the date of 30 days of uninterrupted successful operation of the rest of the installed system.
33	Annexure-IA SECTION-II	The bidder shall quote the following rates in their price bid as per the Price Bid Format/Price Schedule Proforma. OIL has the right to increase, decrease or change the wells before placing the order. In that case payment shall be made for the actual quantity of items ordered and the actual work done. But, if the wells remain same as per tender and there is no change in wells then the bidder will be fully responsible for supply and installation of any extra items required to commission the project for running the system uninterruptedly without any extra cost to OIL. Bidder shall offer firm prices. Price quoted by the successful bidder must remain firm during the execution of the contract including 1(one) year warranty period.	The bidder shall quote the following rates in their price bid as per the Price Bid Format/Price Schedule Proforma-I & II. OIL has the right to increase, decrease or change the wells before placing the order. In that case payment shall be made for the actual quantity of items ordered and the actual work done. But, if the wells remain same as per tender and there is no change in wells then the bidder will be fully responsible for supply and installation of any extra items required to commission the project for running the system uninterruptedly without any extra cost to OIL. Bidder shall offer firm prices. A separate order will be issued within 1 (one year) warranty period of the initial order to the successful bidder if OIL consider the optional 5 (five) wells for monitoring. Price quoted by the successful bidder must remain firm during the execution of the contract including 1(one) year warranty period of the initial order.

34	Annexure-IB 1.0 BRC- A)-1.5	Bidder should have experience of successfully executing similar order for at least 30% of estimated value of the Tender during last 3 years as on the Bid Closing Date. Similar implies design, supply, testing and commissioning of True Wireless Real Time Monitoring Project of process parameters (Pressure, Temperature, Flow, Level etc.) Documentary evidence should be submitted from the end user.	Bidder should have experience of successfully executing at least 1(one) similar order for INR 76.00 Lakhs in preceding 5(five) years to be reckoned from the original bid closing date of the tender. Similar order implies design, supply, testing and commissioning of True Wireless Real Time Monitoring Project of process parameters (Pressure, Temperature, Flow, Level etc.) Documentary evidence should be submitted from the end user.
35	Annexure-IB 1.0 BRC- A)-3.0	Annual turnover of the firm in any of the last 3 financial years or current financial year should not be less than INR 152.00 Lakhs. (Documentary evidence to be submitted along with Technical Bid)(Audited Accounts/ P&L OR Certificate from CA/Cost Accountant meeting annual turnover).	3.0 Annual turnover of the firm in any of preceding 3 financial years (to be considered from the original bid closing date) should not be less than INR 76.00 Lakhs. 3.1 For consortium, at least one of the member of the consortium to meet the annual turnover criteria specified in para 3.0 above. Annual turnover of other members of consortium in any of preceding 3 financial years (to be considered from the original bid closing date) should not be less than INR 38.00 Lakhs. 3.2 Net worth of the firm should be positive for the preceding financial/accounting year (to be considered from the original bid closing date). Documentary evidence related to para 3.0, 3.1 & 3.2 is required to be submitted along with Technical Bid in the form of Audited Accounts/ P&L OR Certificate from Chartered Accountant (not being an employee or a Director or having any interest in the bidders company/firm)
36	Annexure-IB 1.0 BRC- B)-iii	Bid Security	Please take a note of point no. 3 after revision above.
37	Annexure-IB 1.0 BRC- B)-iv	Performance Security	Please take a note of point no. 32 after revision above.

38	Annexure-IB 1.0 BRC- B)-xi	Bids received by Company after the bid closing date and time will be rejected.	Bids received through the e-procurement portal shall only be accepted. Bids received in any other form shall not be accepted.
39	Annexure-IB 2.0 BEC- Clause 4.0	The bidder must quote their charges/ rates in the manner as called for vide enclosed Price Bid Format Annexure-I.	The bidder must quote their charges/ rates in the manner as called for vide enclosed Price Bid Format/Price Schedule Proforma- I & Price Bid Format/Price Schedule Proforma-II.
40	Annexure-IB 2.0 BEC- Clause 5.0	The bid will be evaluated taking into account the rates quoted in the price bid format as per enclosed Price Bid Format Annexure-I.	The bid will be evaluated taking into account the rates quoted in the price bid format as per enclosed Price Bid Format/ Price Schedule Proforma- I i.e evaluated price under A & Price Bid Format/ Price Schedule Proforma-II i.e evaluated price under B and lowest evaluated bid considering total A+B will be recommended for placement of Order.

2.0 BEC- Clause 8.0 India Limited's Gas Processing Plant, (DND-GPC) at Dandewala near Tanot in Jaisalmer district (155 KMs approx. Distance from Jaisalmer Township) of Rajasthan basis as under: (A) Total Material Cost (Supply Portion of Price Bid Format Annexure-I) (B) Packing and Forwarding Charges, if any (C) Total Ex-works value, (A + B) above (D) Excise Duty as applicable on (C + D) above (E) Sales Tax as applicable on (C + D) above India Limited's Gas Processing Plant, (DND-GPC) at Dandewala near Tanot in Jaisalmer district (155 KMs approx. Distance from Jaisalmer Township) of Rajasthan as defined in para 5.0 above. (Iii) Entire job of Wirele Remote Well Monitoring System is to be completed on Lump sum Turnic (LTSK) basis. Complete material cost, transportation & transit insurance charges, taxes and duties including Rajasthan Entry Tax as applicable taxes and duties while submitting their offer. (Iii) Bidders further note that payment of Rajasthan Entry Tax shall be of their account. OIL may issue on line transit declaration (Road Permit) as				
(H) Insurance charges @ 0.5% of total FOR Mfg. Station Value (F) above (I) Rajasthan Entry Tax (J) Total FOR Destination (OIL's DND-GPC) value (F + G + H+I) above (K) Installation/Commissioning, Training Charges including service tax (Service Portion of Price Bid Format Annexure-I) (L) Grand Total value (J + K)	41	2.0 BEC-	India Limited's Gas Processing Plant, (DND-GPC) at Dandewala near Tanot in Jaisalmer district (155 KMs approx. Distance from Jaisalmer Township) of Rajasthan basis as under: (A) Total Material Cost (Supply Portion of Price Bid Format Annexure-I) (B) Packing and Forwarding Charges, if any (C) Total Ex-works value, (A + B) above (D) Excise Duty as applicable on (C) above (E) Sales Tax as applicable on (C + D) above (F) Total FOR Manufacturing station Value, (C + D + E) above (G) Transportation charges to destination (OIL's DND-GPC) (H) Insurance charges @ 0.5% of total FOR Mfg. Station Value (F) above (I) Rajasthan Entry Tax (J) Total FOR Destination (OIL's DND-GPC) value (F + G + H+I) above (K) Installation/Commissioning, Training Charges including service tax (Service Portion of Price Bid Format Annexure-I)	defined in para 5.0 above. (ii) Entire job of Wireless Remote Well Monitoring System is to be completed on Lump sum Turnkey (LTSK) basis. Complete material cost, transportation & transit insurance charges, taxes and duties including Rajasthan Entry Tax as applicable, Installation/Commissioning Charges, Training Charges including service tax etc. are to be borne by the bidder. Bidders are however advised to provide details of applicable taxes and duties while submitting their offer. (iii) Bidders further note that payment of Rajasthan Entry Tax shall be on their account. OIL may issue on line transit declaration (Road Permit) as requested by them. In such case, applicable Rajasthan Entry Tax will be deducted while releasing payment. However, bidder will be solely responsible for applicable Rajasthan Entry Tax. Bidders are therefore advised to check applicability of Rajasthan Entry Tax for the quoted material and take a note of the same while preparing and submitting their

42	Revised Lattitude, Logitude & Price Bid Format	Please take a note of revised documents	 Latitude & Longitude of the optional wells included. Price bid format is changed. The bidder must quote their charges/ rates in the manner as called for vide enclosed Price Bid Format/Price Schedule Proforma- I & Price Bid Format/Price Schedule Proforma-II.
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Latitude & Longitude of Wells & DND-GPC

- : Lat.: 27•44ø24ö Long.: 70•8ø16ö 1. DND-1 : Lat.: 27•46ø10ö Long.: 70•8ø1ö 2. DND-2 : Lat.: 27•44ø54ö Long.: 70•8ø5ö 3. DND-3 4. DND-4 : Lat.: 27•46ø54ö Long.: 70•8ø14ö 5. DND-5 : Lat.: 27•46\\(\pi 3\)\(\text{Long.: } 70\)\(\pi \) : Lat.: 27•47\\\@35\\in Long.: 70\\\eal{8}\\\@4\\\in 6. DND-6 : Lat.: 27•45\(\alpha 7\tilde{o} \) Long.: 70\(\alpha 8\alpha 6\tilde{o} \) 7. DND-7 8. DND-8 9. DND-12 : Lat.: 27•48\(\omega 3\) \(\text{Long.: } 70\) \(\omega \omega 7\) \(\text{o} \) 10. DND-13 : Lat.: 27•46\&5.4\"\tilde{o}\tilde{5}.4\"\tilde{o}\tilde{0}\til 11. DND-16: Lat.: 27•48\&3\beta\$3\beta\$ Long.: 70\cdot8\&27\beta\$ 12. DND-19: Lat.: 27•46ø46ö Long.: 70•8ø44ö Long.: 70•8ø49ö 13. DND-20 : Lat.: 27•47¢0ö 14. DND-21 : Lat.: 27•47¢6ö Long.: 70•8\%5ö 15. DND-22: Lat.: 27•47ø43ö Long.: 70•8ø46ö 16. BGT-2 : Lat.: 27•40ø48ö Long.: 70•6ø43ö
- **Optional Wells:**

DND-GPC Plant: Lat.: 27•44\pi2\text{\text{\text{o}}} \text{Long.: 70\text{\text{\text{e}}}8\pi\text{\text{\text{\text{o}}}}\text{\text{\text{o}}}