



CORRIGENDUM

ADDENDUM No.04 dated 04.09.2019

To

TENDER NO. SDG1088P20/09

This addendum is issued to enhance the quantity of items required, incorporation of BOM, amend some of the technical specifications, bid evaluation & rejection criteria, price bid format, bid security amount and validity, extension of bid closing/opening dates.

Details of the amendment as per Annexure-I.

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

sd/-
Amrit Loushon Bora
Manager Materials(FD)
For GM Materials
For Resident Chief Executive

Amendments to Tender No. SDG1088P20/09

SI No	Clause ref.	Existing Clause	Amended to read as															
1	-	Bid Closing date & time: 24.07.2019; at 11.00 Hrs. IST Technical Bid Opening Date & Time: 24.07.2019; at 14.00 Hrs. IST	Bid Closing date & time: 03.10.2019; at 11.00 Hrs. IST Technical Bid Opening Date & Time: 03.10.2019; at 14.00 Hrs. IST															
2	-	Bid Security Amount INR 17,50,200.00 OR USD 25,200.00	Bid Security Amount: INR 20,09,000.00 OR USD 29,000.00															
3	-	Bid Security Validity: Upto 31.12.2019	Bid Security Validity: Upto 30.04.2020															
4	Annexure-A AA::TECHNICAL SPECIFICATIONS & QUANTITY OF ITEMS	<table border="1"> <thead> <tr> <th>Item No</th> <th>Item Description</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>Design, Engineering, Supply, Training, Installation and Commissioning of on line gas monitoring system</td> <td>17 Nos</td> </tr> </tbody> </table>	Item No	Item Description	Quantity	10	Design, Engineering, Supply, Training, Installation and Commissioning of on line gas monitoring system	17 Nos	<table border="1"> <thead> <tr> <th>Item No</th> <th>Item Description</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>Design, Engineering, Supply, Training, Installation and Commissioning of on line gas monitoring system for Oil Collecting Stations, Early Production set-ups and Quick Productions set-ups.</td> <td>17 Nos</td> </tr> <tr> <td>20</td> <td>Design, Engineering, Supply, Training, Installation and Commissioning of on line gas monitoring system for Gas Compressor Stations, Field Gathering Stations and LPG Offtake Point.</td> <td>5 Nos</td> </tr> </tbody> </table>	Item No	Item Description	Quantity	10	Design, Engineering, Supply, Training, Installation and Commissioning of on line gas monitoring system for Oil Collecting Stations, Early Production set-ups and Quick Productions set-ups.	17 Nos	20	Design, Engineering, Supply, Training, Installation and Commissioning of on line gas monitoring system for Gas Compressor Stations, Field Gathering Stations and LPG Offtake Point.	5 Nos
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5	Annexure-A AA::TECHNICAL SPECIFICATIONS & QUANTITY OF ITEMS PREAMBLE	<p>Oil India Limited intends to install Gas Detection System for its installation located in and around Duliajan in the state of Assam for Oil Collation Station (OCS), Early Production Set-up (EPS) and Quick Production Setup (QPS) under Central Asset. The proposed gas detection system shall be placed in the operator's room/control room and it shall have provision to interface with the existing SCADA RTU/ PLC via Modbus Protocol.</p> <p>This Tender has been floated for procurement of Gas detection system with Programmable Electronic System which meets safety standard of SIL-2 and other technical specifications as given in this tender document. Bidder to offer suitable Technical Solutions for OIL's requirement and quote accordingly.</p>	<p>Item No. 10: Oil India Limited intends to install Gas Detection System for its installation located in and around Duliajan in the state of Assam for Oil Collection Station (OCS), Early Production Set-up (EPS) and Quick Production Setup (QPS) under Central Asset. The proposed gas detection system shall be placed in the operator's room/control room and it shall have provision to interface with the existing SCADA RTU/ PLC via Modbus Protocol.</p> <p>Item No. 20: Oil India Limited, intends to install Gas Detection System for its installation located in and around Duliajan in the state of Assam for Gas Compressor Station (GCS), Field Gathering Station (FGS) and LPG Offtake Point (LPG-OTP) under Central Asset, Eastern Asset and GMS. The proposed gas detection system shall be placed in the operator's room/control room and it shall have provision to interface with the existing SCADA RTU/ PLC via Modbus Protocol.</p> <p>This Tender has been floated for procurement of Gas detection system with Programmable Electronic System which meets safety standard of SIL-2 and other technical specifications as given in this tender document. Bidder to offer suitable Technical Solutions for OIL's requirement and quote accordingly.</p>
6	Annexure-A AA:: 1.2	<p>Location of the gas detectors to be installed in the facility:</p> <p>1.2.1 To cover entire process area. 1.2.2 To cover fired vessel area. 1.2.3 To cover storage area.</p>	<p>Location of the gas detectors to be installed in the facility:</p> <p>1.2.1 To cover entire process area. 1.2.2 To cover fired and non-fired vessels area. 1.2.3 To cover storage area and Gas Compressor area.</p>
7	Annexure-A AA:: 14.1	<p>Installation and commissioning as well as testing of all the supplied Infrared (IR) On-Line Gas Detection System shall have to be carried out by the successful bidder's competent personnel at 17 (Seventeen) Oil Installation within 60 KM from Duliajan, Assam (India).</p>	<p>Installation and commissioning as well as testing of all the supplied Infrared (IR) On-Line Gas Detection System shall have to be carried out by the successful bidder's competent personnel at 22 (twenty two) Oil Installation within 60 KM from Duliajan, Assam (India).</p>

8	Annexure-A AA:: 14.8	The system to be under observation for minimum 72 hours for satisfactory commissioning performance.	The system in each installation will be considered Successfully Commissioned only after successful continuous operation of the system individually for each installation in full capacity and capability without any part operation and functioning of the system for continuous 72 hours. If any breakdown or malfunctioning of the system in any form is observe during the above observation period, the starting time of observation will be reset to zero. In case the system could not function continuously due to OIL's operational problem, the starting time of observation will not be reset to zero, however, the system shall be made operational and put it under observation by the supplier to complete 72 hours once OIL's operational problem is resolved.
9	Annexure-A AA:: 17.11	Supply of all necessary accessories & fittings like-pipe, cable tray, Junction Box, Cable gland cable tie, nut bolt, screw, clamp, etc. required to complete the installation and commission the GDS is under the scope of bidder and bidders has to quote on lumpsum in 1(one) lot.	Supply of all necessary accessories & fittings like-pipe, cable tray, Junction Box, Cable gland cable tie, nut bolt, screw, clamp, etc. required to complete the installation and commission the GDS is under the scope of bidder and bidders has to quote on lumpsum basis in 1(one) lot against each tender item.
10	Annexure-A AA:: 21.1	The successful bidder has to carry out comprehensive Annual Maintenance for three (3) years for all On-Line Gas Detection System supplied, installed & commissioned against this tender. Accordingly party to quote year wise separately.	The successful bidder has to carry out non-comprehensive Annual Maintenance for three (3) years for all On-Line Gas Detection System supplied, installed & commissioned against this tender. Accordingly party to quote year wise separately.
11	Annexure-A AA:: 21.3	Annual Maintenance will include supply of all the spares required to maintain the system including controller, cards, power supply, etc. and manpower required for maintenance.	Clause deleted
12	Annexure-A AA:: 21.13	Charges for Comprehensive Annual Maintenance after the initial warranty period up to 3 (three) years with year wise break up, must be quoted separately which shall be considered for evaluation of offers.	Charges for Non-Comprehensive Annual Maintenance after the initial warranty period up to 3 (three) years with year wise break up, must be quoted separately which shall be considered for evaluation of offers.

13	Annexure-A AA:: 21.14	While quoting Comprehensive Annual Maintenance charges, bidder should also take into account all charges including to and fro fares, boarding/lodging, local transport at Duliajan, Assam and other expenses of supplier's personnel during their stay at Duliajan. OIL may provide accommodation on Chargeable basis subject to availability. Bidder should confirm about providing all these services in their Bid.	While quoting Non Comprehensive Annual Maintenance charges, bidder should also take into account all charges including to and fro fares, boarding/lodging, local transport at Duliajan, Assam and other expenses of supplier's personnel during their stay at Duliajan. OIL may provide accommodation on Chargeable basis subject to availability. Bidder should confirm about providing all these services in their Bid.
14	Annexure-A AA: Scope of supply, 23.0	BILL OF MATERIALS (BOM): Tentative BOM based on the above specifications and scope of work should be submitted by the bidder alongwith their technical bid. However any additional requirement, if found necessary to make the system functional and fulfil its purpose, bidder needs to supply the same without any extra cost to OIL	BILL OF MATERIALS (BOM): Tentative BOM as per list Appendix –A & B for item no. 10 & 20 respectively. However any additional requirement, if found necessary to make the system functional and fulfil its purpose, bidder needs to supply the same without any extra cost to OIL
15	Annexure-B A.1: 1.1	1.1 The bidder shall be an Original Equipment Manufacturer (OEM) of the tendered item(s) OR The bidder shall be authorized agent / dealer / distributor / consortium / supply house of an OEM of the tendered item(s). Note: a) Bidder(s) other than OEM must submit a valid Authorization letter and back-up warranty from the manufacturer as per format enclosed herein vide APPENDIX-B1. The Authorization and back-up warranty letter duly sealed & signed by the Manufacturer on their official letterhead must be submitted along with the technical bid. b) The Sole Selling Agent/Dealer/Distributor/ Supply House shall categorically confirm in their technical bid that there will be no change of the proposed OEM after submission of the bid.	1.1 The bidder shall be an Original Equipment Manufacturer (OEM) of the tendered item(s) OR The bidder shall be authorized agent / dealer / distributor / supply house of an OEM of the tendered item(s). Note: a) Bidder(s) other than OEM must submit a valid Authorization letter and back-up warranty from the manufacturer as per format enclosed herein vide APPENDIX-B1 . The Authorization and back-up warranty letter duly sealed & signed by the Manufacturer on their official letterhead must be submitted along with the technical bid. b) The Sole Selling Agent/Dealer/Distributor/Supply House shall categorically confirm in their technical bid that there will be no change of the proposed OEM after submission of the bid. c) The Sole Selling Agent/Dealer/Distributor/Supply House shall undertake in their technical bid to provide all the services including installation/commissioning/AMC by themselves.

16	Annexure-B A.1: 2.1	<p>2.1 IN CASE THE BIDDER IS A MANUFACTURER, the bidder must have experience of successfully executing atleast One (1) order for supply, installation & commissioning of On-line gas monitoring system of value not less than Rs. 5,00,05,500.00 or US\$ 7,19,815.00 to any E&P Company(ies)/ Drilling Contractor(s)/ Drilling Service Provider(s) during last five(5) years preceding to the original Bid Closing Date of the Tender. Documentary evidences in this regard must be submitted alongwith the Technical Bid as per Para 2.3.</p>	<p>2.1 IN CASE THE BIDDER IS A MANUFACTURER (OEM):</p> <p>2.1.1 OEM PROPOSING FOR SUPPLY AND SERVICES BY THEMSELVES: The OEM must have experience of successfully executing (either by themselves or through any Sole Selling Agent/Dealer/ Distributor/Supply House) atleast One (1) order for supply, installation & commissioning of On-line gas monitoring system of value not less than Rs. 3,51,77,250.00 or US\$ 5,06,367.00 during last five(5) years preceding to the original Bid Closing Date of the Tender. Documentary evidences in this regard must be submitted alongwith the Technical Bid as per Para 2.3.</p> <p>2.1.2 OEM PROPOSING FOR SUPPLY BY THEMSELVES AND SERVICES BY THEIR AUTHORIZED SERVICE PROVIDER/ DISTRIBUTOR/SOLE SELLING AGENT/SUPPLY HOUSE:</p> <p>A) The OEM must have experience of successfully executing (either by themselves or through any Sole Selling Agent/Dealer/ Distributor/Supply House) atleast One (1) order for supply of On-line gas monitoring system of value not less than Rs. 3,51,77,250.00 or US\$ 5,06,367.00 during last five(5) years preceding to the original Bid Closing Date of the Tender. Documentary evidences in this regard must be submitted alongwith the Technical Bid as per Para 2.3.</p> <p>B) The OEM authorized service provider/distributor/sole selling agent/supply house must have experience of successfully executing atleast One (1) order for installation & commissioning of On-line gas monitoring system of supply order value not less than Rs. 3,51,77,250.00 or US\$ 5,06,367.00 during last five(5) years preceding to the original Bid Closing Date of the Tender. Documentary evidences in this regard must be submitted alongwith the Technical Bid as per Para 2.3.</p>
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17	Annexure-B A.1: 2.2	<p>2.2 In case the Bidder is a Sole Selling Agent/Dealer/Distributor/Supply House of the Original Equipment Manufacturer (OEM), the following criteria shall be met by the Bidder and the OEM:</p> <p>i) The Bidder as a Sole Selling Agent/Dealer/Distributor/Supply House must have experience of successfully executing at least One (1) order for supply, installation & commissioning of tendered item (manufactured by either the proposed OEM or any other OEM) of value not less than Rs. 5,00,05,500.00 or US\$ 7,19,815.00 to any E&P Company(ies)/ Drilling Contractor(s)/Drilling Service Provider(s) during last five(5) years preceding to the original Bid Closing Date of the Tender. Documentary evidences in this regard must be submitted alongwith the Technical Bid as per Para 2.3.</p> <p>ii) Their Original Equipment Manufacturer (OEM) must meet the experience criteria set out in para 2.1 above and documentary evidences in this regard must be submitted alongwith the Technical Bid as per para 2.3.</p>	<p>2.2 IN CASE THE BIDDER IS A SOLE SELLING AGENT/DEALER/DISTRIBUTOR/SUPPLY HOUSE OF THE ORIGINAL EQUIPMENT MANUFACTURER (OEM), THE FOLLOWING CRITERIA SHALL BE MET BY THE BIDDER AND THE OEM:</p> <p>i) Their proposed OEM must satisfy Clause ref. 2.1.2 (A).</p> <p>ii) Additionally, the Bidder as a Sole Selling Agent/Dealer/Distributor/Supply House must have experience of successfully executing atleast One (1) order for supply, installation & commissioning of Online Gas Monitoring System of value not less than Rs. 3,51,77,250.00 or US\$ 5,06,367.00 during last five(5) years preceding to the original Bid Closing Date of the Tender. Documentary evidences in this regard must be submitted alongwith the Technical Bid as per Para 2.3.</p>
18	Annexure-B A.1: 2.3.5 & 2.3.6	Addition of New Clause	<p>2.3.5 The Purchase order(s) / contract (s) must bear the Purchase order number(s) / Contract number(s) which clearly indicate the scope of work and technical specifications of the item(s).</p> <p>2.3.6 The experience of the bidder's Sister Concern/subsidiary shall not be considered for evaluation</p>
19	Annexure-B A.2: 1.0	The bidder shall have an annual financial turnover of minimum Rs. 5,00,05,500.00 or US\$ 7,19,815.00 during any of the preceding 3 (Three) financial/accounting years reckoned from the original bid closing date of the tender.	The bidder shall have an annual financial turnover of minimum Rs. 5,86,28,750.00 or US\$ 8,43,950.00 during any of the preceding 3 (Three) financial/accounting years reckoned from the original bid closing date of the tender.

20	Annexure-B A.3: 11.0	<p><u>Price bid format</u></p> <p><u>Price Bid Format (SUMMARY) for Foreign Bidders</u> A) Total Material Cost of 17 Nos. Online Gas Monitoring Systems as per tender specification including commissioning spares</p> <p>Price break up mentioning quantity and unit price of each item quoted should be provided separately.</p> <p><u>Price Bid Format (SUMMARY) for Indigenous Bidders</u> A) Total Material Cost of 17 Nos. Online Gas Monitoring Systems as per tender specification including commissioning spares</p> <p>Price break up mentioning quantity and unit price of each item quoted should be provided separately.</p>	<p><u>Price bid format</u></p> <p><u>Price Bid Format (SUMMARY) for Foreign Bidders</u> A) Total Material Cost of 22 Nos. Online Gas Monitoring Systems as per tender specification including commissioning spares</p> <p>Price break up mentioning quantity and unit price of each item quoted should be provided separately.</p> <p><u>Price Bid Format (SUMMARY) for Indigenous Bidders</u> A) Total Material Cost of 22 Nos. Online Gas Monitoring Systems as per tender specification including commissioning spares</p> <p>Price break up mentioning quantity and unit price of each item quoted should be provided separately.</p>
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Bill of materials (BOM) for Item No. 10

APPENDIX-A

		Unit	EPS-Bhekulajan	EPS-Hatiali	OCS-4	QPS-NKF	OCS-Bhogpara	OCS-Dikom	OCS-Jorajan	OCS-Kathalguri	OCS-Kathaloni	OCS-Langkashi	OCS-Nagajan	OCS-Tengakhat	OCS-Ushapur	QPS-Chabua 3	QPS-HJC	QPS-TAI	QPS-DIAN		
SL NO	ITEM		QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	TOTAL	
1	Point Type Infrared Gas Detector	Number	21	30	24	17	32	36	33	31	43	34	28	39	32	21	22	21	21	485	
2	Controller	Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	
3	HMI/Display (Touch Screen)	Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	
4	Control Panel	Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	
5	Hooter	Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	
6	Flasher	Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	
7	UPS	Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	
8	3 core armoured power cable	Meter	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	5100
9	24/12 core armoured signal cable	Meter	400	400	400	400	400	400	400	600	600	600	600	600	700	400	400	400	400	400	8100
10	cable	Meter	1700	1800	3300	1500	2300	5200	3000	3800	7600	5200	4500	3700	5400	1000	2200	1900	800	54900	
11	Cable Tray, Junction box,Cable Gland etc	Lot																		1	
12	Annual Maintenance Contract (AMC)	AU																		1	
13	Installation & Commissioning	AU																		1	

Bill of materials (BOM) for Item No. 20

APPENDIX-B

		Unit	GCS HAPJAN	GCS DIGBOI	GCS LKASHI	FGS NAJAN	LPG OTP		
SL NO	ITEM		QTY	QTY	QTY	QTY	QTY	TOTAL	
1	Point Type Infrared Gas Detector	Number	35	14	22	7	10	88	
2	Controller	Number	1	1	1	1	1	5	
3	HMI/Display (Touch Screen)	Number	1	1	1	1	1	5	
4	Control Panel	Number	1	1	1	1	1	5	
5	Hooter	Number	1	1	1	1	1	5	
6	Flasher	Number	1	1	1	1	1	5	
7	UPS	Number	1	1	1	1	1	5	
8	3 core armoured power cable	Meter	500	400	400	300	300	1900	
9	24/12 core armoured signal cable	Meter	500	400	400	300	300	1900	
10	3 core armoured signal cable	Meter	5200	3800	3800	1700	2300	16800	
11	Cable Tray, Junction box,Cable Gland etc	Lot							1
12	Annual Maintenance Contract (AMC)	AU							1
13	Installation & Commissioning	AU							1