



गेल (इंडिया) लिमिटेड

(भारत सरकार का उपक्रम – महारत्न कंपनी)

GAIL (India) Limited

(A Government of India Undertaking - A Maharatna Company)

TIN: 23265002549
ECC NO: AAACG1209JXM004

पोस्ट : गेल कॉम्प्लेक्स, विजयपुर
जिला : गुना - 473112 (म.प्र.)

PO: GAIL COMPLEX,
VIJAIPUR, DISTT. GUNA - 473112 (M.P.)

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FAX OF ACCEPTANCE [FOA]

FOA NO.: GAIL/VC/C&P/C23310/FOA/NR/MECH/2023

DATED: 04.03.2024

TO : M/s. Petrofert Engineers (India)., Raghogarh

EMAIL: petrofertengineers@gmail.com

ATTN. : Mr. Ajit Shahi, Manager

FROM : NIREEKSHANA RAO K, SO (C&P), GAIL VIJAIPUR.

PLEASE REFER YOUR E-BID NO: 646997 dated 18.12.2023 AGAINST OUR NIC TENDER ID: 2023_GAIL_175578_1 Dated: 24.11.2023 FOR "SITE EXECUTION JOB OF VARIOUS MANAGEMENT OF CHANGES IN C2C3 RECOVERY UNIT AT GAIL, VIJAIPUR".

WITH REFERENCE TO THE ABOVE, WE HEREBY ISSUE THIS "FAX OF ACCEPTANCE (FOA)" FOR "SITE EXECUTION JOB OF VARIOUS MANAGEMENT OF CHANGES IN C2C3 RECOVERY UNIT AT GAIL, VIJAIPUR" AT A TOTAL CONTRACT VALUE OF INR 14,12,85,786.06 (INCLUDING GST@18%) ON THE FOLLOWING TERMS AND CONDITIONS.

1. PRICES:

S.No	Description	Qty	UOM	Unit Price excluding of GST	Total price excluding of GST
1	SITE EXECUTION JOB OF VARIOUS MANAGEMENT OF CHANGES IN C2C3 RECOVERY UNIT AT GAIL, VIJAIPUR	1	LS	1,13,87,700.00	1,13,87,700.00
	Total contract value exclusive of GST				1,13,87,700.00
	GST@18%				20,49,786.00
	Total contract value inclusive of GST				1,34,37,486.00

PRICE SHALL REMAIN FIRM & FIXED AND SHALL NOT BE SUBJECTED TO ANY ESCALATION DURING THE ENTIRE DURATION OF THE CONTRACT.

PRICES BASIS: ALL INCLUSIVE ON FOT SITE (GAIL, VIJAIPUR) BASIS. DETAILED PRICE BREAK UP IS ENCLSOED HERE WITH.

2. CONTRACT PERIOD:

CONTRACT PERIOD SHALL BE TWENTY (20) MONTHS FROM THE DATE OF INTIMATION OF AWARD OR AS MENTIONED THEREIN I.E W.E.F 04.03.2024 TO 04.11.2025.

पंजीकृत कार्यालय :
गेल भवन, 16 भीकाजी कामा प्लेस
नई दिल्ली-110066, इंडिया

REGD. OFFICE:
GAIL BHAWAN, 16 BHIKAJI CAMA PLACE
NEW DELHI-110066, INDIA

सीआईएन/CIN
L40200DL1984GOI018976

www.gailonline.com

3. **PAYMENT TERMS:** 100% PAYMENT WILL BE RELEASED ON SUBMISSION OF RUNNING BILLS THROUGH VIM PORTAL (SPARSH PORTAL) SUBJECT TO ANY RECOVERY AND AFTER NECESSARY VERIFICATION /CERTIFICATION BY THE CONCERNED ENGINEER-IN-CHARGE, WITHIN 15 DAYS AFTER SUBMISSION OF BILL WITH ALL NECESSARY DOCUMENTS.
4. **CONTRACT PERFORMANCE SECURITY:** APPLICABLE @10% OF TOTAL CONTRACT VALUE EXCLUDING GST (Rs. 11,38,770.00) WITH A VALIDITY OF 35 MONTHS (WHICH INCLUDES A CLAIM PERIOD OF 3 MONTHS) I.E TILL 04.02.2027.
5. **PRICE REDUCTION SCHEDULE(PRS):** APPLICABLE.
6. ALL OTHER GENERAL TERMS AND CONDITIONS SHALL BE AS PER GAIL TENDER NO: **NIC TENDER ID: 2023_GAIL_175578_1 Dated: 24.11.2023.**

DETAILED "LETTER OF ACCEPTANCE" SHALL FOLLOW (.)

For GAIL (India) ltd.

(NIREEKSHANA RAO K)
Senior Officer (C&P)
Mob: +91 8333 95 8337

Price Breakup								
Sl. No.	DESCRIPTION OF JOB	Item Code /	QTY	UOM	Offered Unit price (in INR)	Offered rate of GST (In percentage)	Offered Unit Price including GST (in INR)	Offered Total Amount including GST (in INR)
1	PIPING WORKS :-Transportation of all piping items from Owner's storage point to work site/work shop; fabrication including cutting, edge preparation, (inclusive of grinding the edges of pipe, pipe spools, fittings, flanges etc. to match with the mating edges of uneven/different thickness wherever required); fitup, bending, preheating wherever required, welding, threading, and laying of pipes and pipe spools (spools along with supports) of all types and thickness over sleepers, overhead on racks and at all elevations, hook-ups with existing piping, connecting with equipment nozzles, strainers, steam traps, orifice assemblies, spray nozzles, rotameters, tappings for pressure gauges, thermowells, sample connections, sample coolers, closed sample system cabinets etc. and fixing of gaskets, bolts, nuts including application of torque wherever required & all other inline instruments and fittings, like elbows, reducers, tees, flanges, spectacle blinds and spacer&blinds, piping specials such as mitres and fabricated fittings, vents, drains (but excluding reinforcing pads), SW valves upto 1.5 NB, Steam Supply/ Condensate Recovery stations(Cast/Fabricated),	line item-A-1						
1.1	CS FABRICATION JOINTS (BUTT WELD & FILLET WELD) CARBON STEEL PIPING (NON IBR); THK. <= THIK 24 mm	line item-A-1.1	5800	Inch Dia	730.00	18.00%	861.40	4996120.00
1.2	SS FABRICATION JOINTS (BUTT WELD & FILLET WELD) STAINLESS STEEL PIPING ; THK. <= 10 MM	line item-A-1.2	500	Inch Dia	900.00	18.00%	1062.00	531000.00
1.3	CS & SS PIPING ERECTION works on sleepers, pipe racks, structural supports. Job includes both manual erection and erection of pipes by hydra/crane of various size pipes in pipe rack of unit processing area, in congested area during plant operational condition plant or during shutdown period. Job includes erection of piping with all tools/tackles required like chain pulleys, belts D-shackles, tripods, temporary piping erection rollers, etc. Required tools tackels is in contractor scope.	line item-A-1.3	15500	Inch M	80.00	18.00%	94.40	1463200.00
1.4	Dismanteling/removal of various piping CS/SS/LTCS/AS above ground/UG including cutting, bolt opening, shifting to the fabrication yard. Job includes dismantling of pipes by manual removal or by hydra/crane from pipe rack of unit processing area/ in congested area during plant operational condition or during shutdown period.	line item-A-1.4	1500	Inch M	30.00	18.00%	35.40	53100.00
2	VALVES :- Transportation of all types of manual valves (Including special valves, motor operated valves, PRDS, PSVs, TSVs, Control valves, On-Off/Shutdown valves, Self actuating valves) from Owner's storage points to contractor's stores/worksite and installation of valves for all rating including assembly of valves accessories like air bottles etc, if any, fixing of gaskets bolts/nuts wherever required.	Line item- A-2						
2.1	Installation or removal of all types of valves.	line item-A-2.1	550	ID	300.00	18.00%	354.00	194700.00
3	RADIOGRAPHY :- Performance of radiographic inspection on piping of all types & thicknesses including providing or hiring of all necessary equipment and whatever else even though not expressly mentioned but required to perform the work as per specifications and instructions of Engineer-in-Charge. Radiographs shall be submitted to the Engineer-in-charge. (Repeat Radiography due to defective radiograph on repaired joints due to Contractor's fault and for additional radiography necessitated due to poor performance of contractor's welders shall be done at contractor's cost) Note: Unit for radiography quantity is 'Nos of circumferencial weld joints'.	line item- A-3						

3.1	Per day charges of team of radiography agency Inclusive all like day, night, sundays, holidays, lodging & boarding Per day charges.	line item-A-3.1	30	Manday	5000.00	18.00%	5900.00	177000.00
3.2	RT of various welding joints	line item-A-3.2	2600	ID	250.00	18.00%	295.00	767000.00
4	STRUCTURAL JOB:- Fabrication, erection(at all elevations) of valve operating approaches, shed, pipe supports like shoes, cradles, hangers, , turn buckles, saddles, guides, special supports,), providing and welding of stiffeners as per drawings, T post etc. of all types including supply and application one coat of primer, all necessary equipments, consumables, labour, and completing work as per drawings, specifications and instructions of Engineer-incharge. Modifications/rectifications, if required; and adjustment/ alignment during precommissioning, commissioning as per the instructions of Engineer-in- charge. Supplying, transporting, storing, fabricating & erecting in position and testing/ examining bolted and/ or welded STRUCTURAL STEEL WORKS of Grade E250A / E250BR / E250B0 (confirming to per IS:2062) at all locations including all builtup sections/ compound sections made out of rolled sections and/or plates/ bent plates in all types of structural frameworks, floor beams, stairs, or any other structural items or accessories to support equipments, piping, conveyor galleries, towers, masts, etc., but excluding silos, bunkers, hoppers, etc., cutting to required size, straightening/ bending if required, edge preparation, cleaning, preheating, bolting/ welding of joints, (including sealing the joints of box sections with continuous welding and plugging any open ends & holes of box sections), finishing edges by grinding, fixing in line and level with temporary staging & bracing and removal of the same after erection, grouting with Ordinary Grout or premix free flow Nonshrink Grout as specified, including preparation and submission of detailed fabrication drawings.	line item-A-4						
4.1	Supply, fabrication and erection of structural material contractor supplied (Non-FIM)	line item-A-4.1	10	MT	95000.00	18.00%	112100.00	1121000.00
4.2	Fabrication and erection of structural material contractor supplied (FIM from GAIL)	line item-A-4.2	25	MT	25000.00	18.00%	29500.00	737500.00
4.3	Dismantling of structural steels including cutting, removal and shifting to fabrication yard/warehouse or location as provided by engineer in-charge.	line item-A-4.3	2	MT	5000.00	18.00%	5900.00	11800.00
5	GAS CUTTING OF PLATES INCLUDING NECESSARY GRINDING WORKS :- Gas cutting of plates etc above up to 20 mm and thereafter grinding of the cut out plate for making the same smooth free from sharp edges, bars including charges for consumables like gas (acetelyne & oxygen), grinding wheels etc. This SOR item is specially for corrosion pads, supporting plates, temporary blinds which is directly welded or installed in process pipelines.	Line item- A-5						
5.1	Gas cutting of plates upto 16 mm thick	Line item- A-5.1	250	M	150.00	18.00%	177.00	44250.00
5.2	Gas cutting of plates more than 16 mm thick upto 35 mm thick	Line item- A-5.2	50	M	150.00	18.00%	177.00	8850.00
6	STRAIGHT WELDING OF SUPPORTING PLATES. THIS JOB IS TO BE PERFORMED IN LINE WITH JOB REQUIREMENT. This SOR item is specially for corrosion pads, trunion supports plate welding, shoe support welding, supporting plates which is directly welded or installed in process pipelines.	Line item- A-6						
6.1	straight welding of plates upto 16 mm thick (butt/fillet joint)	Line item- A-6.1	200	M	200.00	18.00%	236.00	47200.00
6.2	straight welding of plates more than 16 mm thick upto 35 mm thick (butt/fillet joint)	Line item- A-6.2	20	M	200.00	18.00%	236.00	4720.00

7	SCAFFOLDING WORKS : Scaffolding Material Shifting , Erection & Dismantling after completion of job & taking material back to w/shop. (Scaffolding materials includes Scaff pipes, Clamps, Gratings, etc.). Scaffolding is of Ring & Fix type or Cup & cone type). Scaffolding preparation means erection of pipe structure (LXBXH) & laying of grating on LXB portion.	Line item- A-7						
7.1	Scaffolding Material Shifting , Erection & Dismantling	Line item- A-7.1	5000	M3	100.00	18.00%	118.00	590000.00
8	HYDROTESTING OF PROCESS PIPELINES : After modification of various pipelines, total loop along with old process system to be hydrotested at 1.5 times of design pressure of the subject process pipe loops as per direction of engineer In-charge. All works for arranging Hydro test pumps, interconnected piping, PG installation, venting, draining, hydro testing, flushing of loop after hydro testing, etc is in the scope of contractor.	Line item- A-8						
8.1	Hydro testing of piping loops	Line item- A-8.1	5000	IM	30.00	18.00%	35.40	177000.00
9	Services of Equipment machinery with Operator and consumables including diesel, etc at GAIL Vijaipur plant or as directed by GAIL for specialised job	Line item- A-9						
9.1	JCB excavator with operator and Fuel.	Line item- A-9.1	80	HR	400.00	18.00%	472.00	37760.00
9.2	Tractor & Trolley with Opertaor & fuel	Line item- A-9.2	80	HR	500.00	18.00%	590.00	47200.00
10	Supplying, handling, transporting to site of work and fixing approved MECHANICAL ANCHOR FASTENERS M.S. bolts of Grade 5.8 or more, GALVANIZED with minimum thickness of 5 microns (approved for use in cracked concrete), of 12mm dia at specified positions on concrete floors, roofs, beams (sides and bottom), walls, columns etc. according to manufacturer's specifications including all accessories like nuts, washers etc. of required size, testing, necessary scaffolding, drilling of the holes in concrete surface with electric drill, cleaning of holes with air blowout & wire-brush, and making good any damage done to the structure etc. all complete for all heights, depths and locations as specified and directed.	Line item- A-10						
10.1	supply and installation of Anchor fastener - 12 mm BSW with minimum length 5 IN	Line item- A-10.1	80	EA	50.00	18.00%	59.00	4720.00
10.2	supply and installation of Anchor fastener - 16 mm BSW with minimum length 6 IN	Line item- A-10.2	160	EA	50.00	18.00%	59.00	9440.00
10.3	supply and installation of Anchor fastener - 20 mm BSW with minimum length 6 IN	Line item- A-10.3	80	EA	50.00	18.00%	59.00	4720.00
11	Supply of various mechanical fasteners and hardware	Line item- A-11						
11.1	BOLT.STUDWITH2NUTS,B18.2,A193GR.B7,A194GR.2H,0.625INCHX4INCH	Line item- A-11.1	200	EA	60.00	18.00%	70.80	14160.00
11.2	BOLT.STUD WITH 2 NUTS, B-18.2, A193 GR.B7, A194 GR.2H, 0.75 INCH X 5 INCH	Line item- A-11.2	150	EA	100.00	18.00%	118.00	17700.00
11.3	BOLT.STUD WITH 2 NUTS, B-18.2, A193 GR.B7, A194 GR.2H, 0.875 INCH X 4.75 INCH	Line item- A-11.3	250	EA	120.00	18.00%	141.60	35400.00
11.4	FLNG.SW,B- 16.5,ASTMA105,300,RF/125AARH,0.75INCH,S160	Line item- A-11.4	30	EA	200.00	18.00%	236.00	7080.00
11.5	FLNG.SW, B-16.5, ASTM A 105, 600, RF/125AARH, 0.75 INCH, S160	Line item- A-11.5	30	EA	300.00	18.00%	354.00	10620.00

11.6	CPLNG.HALF,B-16.11,ASTMA105,SW,6000,0.75INCH	Line item- A-11.6	50	EA	200.00	18.00%	236.00	11800.00
12	Schedule of Rates for misc. Civil related works	Line item-C						
12.01	Earth work in EXCAVATION below ground level for all kinds of works in ALL TYPES OF SOILS EXCEPT SOFT ROCK AND HARD ROCK as classified in specification for a depth upto 1.5m including removal of vegetation, shrubs and debris, cutting and dressing of sides in slopes, levelling, grading and ramming of bottoms, dewatering of accumulated water from any source and keeping the surface dry for subsequent works and disposal or stacking of excavated material within a lead of 100m, as directed including providing temporary supports to existing service lines like water pipes, sewage pipes, electric overhead and underground cables etc. all complete, but excluding shoring and strutting.	Line item-C-1	160	Cu.M	300.00	18.00%	354.00	56640.00
12.02	BACKFILLING after execution of the WORK to proper grade and level with selected materials from available excavated soil from spoil heaps within a LEAD OF 100M, including re- excavating the deposited soil excavated earlier, breaking clods, laying at all depths and heights in layers of thickness not exceeding 15 Cms. watering, rolling and ramming by manual methods/ mechanical compactors to achieve 90% laboratory maximum dry density, dressing, trimming etc. in foundations, plinths, trenches, pits etc. all complete.	Line item-C-2	90	Cu.M	50.00	18.00%	59.00	5310.00
12.03	Transporting and disposing the SURPLUS EARTH AND DEBRIS including shrubs and vegetations from construction area beyond the initial LEAD OF 100M AND UPTO 2KM including re-excavating the deposited soil excavated earlier, transportation, loading, unloading, laying at all depths and heights, stacking, levelling and dressing both the area (viz. from where the earth is transported and where it is deposited) to required levels and slopes complete with all lifts as directed.	Line item-C-3	80	Cu.M	40.00	18.00%	47.20	3776.00
12.04	Providing and laying PLAIN CEMENT CONCRETE (M-20) for all depths below and upto plinth level in foundations,drains, fillings, non-suspended floors, pavements & ramps or any other works etc. including shuttering, tamping, ramming, vibrating, curing, etc. all as specified in any shape, position, thickness and finishing the top surface rough or smooth as specified and directed all complete for concrete grade M20 with 20mm and down size graded crushed stone aggregates/Gravels.ALL MATERIALS INCLUDING CEMENT SUPPLIED BY THE CONTRACTOR.	Line item-C-4	120	Cu.M	5500.00	18.00%	6490.00	778800.00
12.05	Providing and laying REINFORCED CEMENT CONCRETE OF M-30 GRADE with 20 mm and down size graded crushed stone aggregates/ gravel in SUB- STRUCTURE e.g. foundations, raft, beams, slabs, pile caps, retaining walls, dyke walls, jambs, counterforts, buttresses, pedestals, pipe sleepers, columns, suspended floors, staircases, landings, steps, brackets etc., including equipment/ machine foundations & pedestals viz. compressors, ID & FD fans, pumps, generators, crushers, mills, etc., (including single pour concreting as specified on the drawing), applying cement wash on concrete surface (wherever no other surface application is specified), providing pockets, openings, recesses, chamfering, etc., wherever required, vibrating, tamping, curing and rendering if required to give a smooth and even surface etc. (EXCLUDING THE COST OF REINFORCEMENT, SHUTTERING & SPECIFIED ADMIXTURES) for all depths below and upto plinth level in any shape, position and thickness etc. all complete as specified, shown and directed. ALL MATERIALS INCLUDING CEMENT SUPPLIED BY THE CONTRACTOR.	Line item-C-5	50	Cu.M	9000.00	18.00%	10620.00	531000.00

12.06	HYD Bars / MS Bars :Supplying and placing in position HIGH YEILDSTRENGTH DEFORMED STEEL BARS REINFORCEMENT of Grade Fe500 (D) conforming to IS:1786, for RCC work including transporting the Steel, straightening, cleaning, decoiling, cutting, bending to required shapes and lengths as per details, binding with 18 SWG black soft annealed binding wire at every intersection, supplying and placing with proper cover blocks, supports, chairs, overlaps, welding, spacers, fanhooks etc. for all heights and depths etc. all complete as directed. SUPPLY OF ALL MATERIAL IN CONTRACTOR'S SCOPE.	Line item-C-6	8	MT	80000.00	18.00%	94400.00	755200.00
12.07	Centering and Shuttering - Providing and fixing CENTERING AND SHUTTERING in foundations, footings,raft beams, slabs, pile caps, retaining walls, jambs, counter-forts, buttresses, trenches, equipment/machine foundations, pedestals, abutments, pipe sleepers, columns, plinth beams, lintels, suspended slabs, beams, staircases, landings, steps, non-circular tunnels/bunkers/ silos/ shafts/ hoppers/liquid storage structures etc. for all depths below and upto & inclusive of plinth level including shuttering for single pour concreting, strutting, bracing, propping etc., keeping the same in position during concreting and removal of the same after specified period etc. for Straight/ Inclined Shuttering, keeping necessary provision for inserts, projecting dowels, anchor bolts or any other fixture etc. all complete and as specified and directed.	Line item-C-7	200	Sq.M	350.00	18.00%	413.00	82600.00
12.08	Foundation Anchor Bolts -Supplying, fabricating, fixing and keeping in position at all levels and locations THREADED ANCHOR BOLTS of all diameters and nomenclature including nuts, washers, anchor plates, pipe sleeves etc. in foundations, columns, pedestals, slabs, beams, walls etc. or any other place as directed including handling & transporting, straightening if required, turning from relevant size M.S. rounds to required diameter, threading, welding, providing necessary templates and auxilliary dummy structures, if any, necessary tying and welding with reinforcement, adjustment of shuttering & reinforcement/any other fixture, greasing exposed metal surfaces, covering bolts and packing the sleeves with jute cloth etc. all complete as specified and directed.(SUPPLY OF ALL MATERIALS IN CONTRACTOR'S SCOPE).	Line item-C-8	0.5	MT	120000.00	18.00%	141600.00	70800.00
12.09	Demolishing RCC/PCC/BITUMNE ROAD WORK (taking all necessary safety precautions) -manually or with hilti machine for all heights above plinth level including supply of all tools & tackles, propping, underpinning etc., cutting, straightening, scraping and cleaning of reinforcement bars, stacking of serviceable materials, disposal of unserviceable material to spoil heaps anywhere within the plant boundary, all complete as specified and directed.	Line item-C-9	3	Cu.M	3000.00	18.00%	3540.00	10620.00
12.10	BI-POLAR CONCRETE PENETRATING CORROSION INHIBITING ADMIXTURE - Supplying and mixing of approved brand of BI-POLAR CONCRETE PENETRATING CORROSION INHIBITING ADMIXTURE in concrete as per manufacturer's specification for protection of reinforcement against corrosion. Supply of admixture in Contractor's scope.	Line item-C-10	50	KG	300.00	18.00%	354.00	17700.00
Total contract value inclusive of GST								13437486.0000