



गेल (इंडिया) लिमिटेड

(भारत सरकार का उपक्रम-महारत्न कंपनी)

GAIL (India) Limited

(A Government of India Undertaking-A Maharatna Company)

क्षेत्रीय पाइपलाइन नेटवर्क मुख्यालय - गुजरात
गेल कॉम्प्लेक्स, प्लॉट नंबर 549 / 1, अजीत नगर,
अकोटा, वडोदरा - 390020

Regional Pipeline Network Head Quarters-Gujarat
GAIL Complex, Plot No. 549/1, Ajit Nagar,
Akota, Vadodara - 390 020.

फोन / PHONE : 0265-2572227/2330888

LETTER OF ACCEPTANCE

To
STRING AND WELD PRIVATE LIMITED.

LOA No. : GAIL/BDA/128431/5300045630/CP/AK/25/W05
Dated : 20.08.2025

NAVA VADAJ, SWAMINARAYAN PARK -1,
H.NO.M-501, 5TH FLOOR,
NAVA VADAJ, SWAMINARAYAN PARK -1,
AHMEDABAD-380013
Gujarat , India
Tele No : 7698009998

RFQ No. & Date : 3300103997 Dt. 12.06.2025
Your offer/Qtn.No.: 868600
Qtn. Dt. : 16.07.2025
E Tender No.: NIL
Vendor Type : MSE-MICRO-OT
Vendor GSTN No : 24ABBCS1506N1ZF

Kind Attn : SH. PRASHANT SINGH (DIRECTOR)

Name of Work : "ARC FOR O&M RELATED PIPELINE LAYING AND ASSOCIATED JOBS WITHIN THE JURISDICTION OF RPNHQ VADODARA FOR A PERIOD OF TWO YEARS".

Dear Sir/Madam

With reference to your Offer against our RFQ and all subsequent correspondences (if any) till date and in continuation of our Fax/Letter of Intent (if any) we are pleased to award the subject works highlighting the following salient features:

Scope of Work : AS DEFINED/DETAILED IN TENDER REF. NO. GAIL/BDA/CNP/AKM/25/W-05 (TENDER

Price Basis:

ITEM	1	MAIN LINE WORKS	INR	39,611,399.97
ITEM	2	MECH PIPING & TERMINAL WORKS	INR	15,959,205.00
ITEM	3	CIVIL WORKS	INR	3,345,595.00
ITEM	4	TEMPORARY CATHODIC PROTECTION WORKS		1,489,160.00
ITEM	5	TELECOM WORKS	INR	2,140,520.00

THE TOTAL CONTRACT VALUE FOR THIS CONTRACT IS INCLUSIVE OF ALL TAXES & DUTIES AND OTHER APPLICABLE CHARGES. THE DETAILS OF CONTRACT VALUE IS AS GIVEN IN SCHEDULE OF RATES. THE PRICE SHALL REMAIN FIRM & FIXED FOR THE ENTIRE DURATION OF THE CONTRACT TILL COMPLETION OF ALL WORKS IN ALL RESPECT AND NO ESCALATION IN RATES/PRICE, FOR WHATSOEVER REASON, SHALL BE PERMISSIBLE.

THE TOTAL CONTRACT VALUE IS SUBJECT TO PRICE REDUCTION SCHEDULE CLAUSE.

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

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



सीआईएन /CIN
L40200GJ1984CO1018976

www.gailonline.com

Vendor Code: 101071502
STRING AND WELD
PRIVATE LIMITED.

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Abnormally High Rated Items :

AHR ITEMS ARE MARKED AS "YY" UNDER AHR COLUMN.

Duration of Contract/Completion Schedule :

THE DURATION OF CONTRACT SHALL BE FOR 02 (TWO) YEARS TO BE RECKONED FROM 21.08.2025 i.e. UPTO 20.08.2027

HOWEVER, THE PERIOD CAN BE FURTHER EXTENDED UPON SATISFACTORY PERFORMANCE OF THE WORK, UP TO SIX MONTHS ONLY ON THE SOLE DISCRETION OF GAIL. THE DECISION OF THE "EIC" REGARDING EXTENSION OF THE CONTRACT SHALL BE FINAL AND BINDING ON THE VENDOR/ CONTRACTOR. THERE WILL NOT BE ANY PRICE ESCALATION OF THE ACCEPTED SOR FOR THE EXTENDED PERIOD OF THE WORKS AND VARIOUS TERMS & CONDITIONS AS PER THE EXISTING CONTRACT SHALL REMAIN UNALTERED.

GAIL RESERVES THE RIGHT TO REVIEW THE CONTRACT PERIOD ON THE BASIS OF PERFORMANCE EVALUATION AFTER COMPLETION OF ONE YEAR (INCLUDING FORECLOSURE IF THE PERFORMANCE FOUND IS NOT SATISFACTORY).

Performance Bank Guarantee:

THE CONTRACT PERFORMANCE SECURITY TO BE SUBMITTED SHALL BE FOR AN AMOUNT AS BELOW:

10% OF BASIC CONTRACT VALUE (EXCLUDING TAXES & DUTIES) I.E. RS. 13,25,125.00

OR

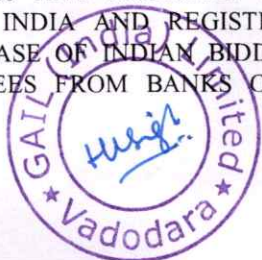
INITIAL SECURITY DEPOSIT (ISD) @ 5% OF BASIC CONTRACT VALUE (EXCLUDING TAXES & DUTIES) I.E. RS. 6,62,562.00 AND DEDUCTION @ 10% OF THE RA BILL SUBSEQUENTLY FROM RA BILLS TILL THE TOTAL AMOUNT OF SECURITY DEPOSIT (INCLUDING ISD AND DEDUCTED AMOUNT) REACHES 10% OF TOTAL BASIC ANNUALIZED ORDER/ CONTRACT VALUE.

THE CPBG SHOULD BE VALID FOR THE PERIOD OF 27 MONTHS [24 MONTHS (CONTRACT PERIOD) + 03 MONTHS (BEYOND THE CONTRACT PERIOD)] I.E. UPTO 20.11.2027 TOWARDS FAITHFUL PERFORMANCE OF THE CONTRACTUAL OBLIGATIONS.

THERE SHOULD BE THREE MONTHS GAP BETWEEN EXPIRY DATE OF BG & CLAIM PERIOD. ACCORDINGLY, THE CLAIM EXPIRY DATE SHALL NOT BE BEFORE 20.02.2028. CONTRACTOR SHALL SUBMIT CONTRACT PERFORMANCE CUM BANK GUARANTEE (CPBG) / SECURITY DEPOSIT (SD) PREFERABLY THROUGH SFMS (STRUCTURED FINANCIAL MESSAGING SYSTEM) MODE, WITHIN 30 DAYS OF THE RECEIPT OF THE NOTIFICATION OF AWARD/ FAX OF ACCEPTANCE FROM GAIL. THE CPS SHALL BE IN THE FORM OF EITHER BANKER'S CHEQUE OR DEMAND DRAFT OR INSURANCE SURETY BOND OR FIXED DEPOSIT RECEIPT OR BANK GUARANTEE OR LETTER OF CREDIT AND SHALL BE IN THE CURRENCY OF THE CONTRACT AND IN EVENT OF DELAY IN SUBMISSION OF CPBG / SD BEYOND 30 DAYS FROM THE INTIMATION OF AWARD, THE CONTRACT SHALL BE LIABLE FOR TERMINATION.

HOWEVER, A PENAL INTEREST OF MARGINAL COST OF FUND-BASED LENDING RATE (MCLR) FOR ONE YEAR CHARGED BY SBI (APPLICABLE ON DUE DATE OF SUBMISSION OF CPBG/SD I.E. 30TH DAY AFTER ISSUANCE OF FOA NOTIFICATION OF AWARD) PLUS 4.0% P.A (ON CPBG/SD AMOUNT) SHALL BE CHARGED FOR DELAY BEYOND 30 DAYS I.E. FROM 31ST DAYS AFTER ISSUANCE OF FOA.

BANK GUARANTEE TOWARDS CPS SHALL BE FROM ANY INDIAN SCHEDULED BANK (EXCLUDING CO-OPERATIVE BANKS AND REGIONAL RURAL BANK) OR A BRANCH OF AN INTERNATIONAL BANK SITUATED IN INDIA AND REGISTERED WITH RESERVE BANK OF INDIA AS SCHEDULED FOREIGN BANK IN CASE OF INDIAN BIDDER AS WELL AS FOREIGN BIDDER. HOWEVER, IN CASE OF BANK GUARANTEES FROM BANKS OTHER THAN THE NATIONALIZED INDIAN BANKS, THE



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BANK MUST BE A COMMERCIAL BANK HAVING NET WORTH IN EXCESS OF RS. 100 CRORES AND A DECLARATION TO THIS EFFECT SHOULD BE MADE BY SUCH COMMERCIAL BANK EITHER IN THE BANK GUARANTEE ITSELF OR SEPARATELY ON ITS LETTERHEAD. THIS BANK GUARANTEE SHALL BE VALID FOR A PERIOD AS THREE MONTHS BEYOND THE DEFECT LIABILITY PERIOD (DLP) SPECIFIED IN BID/CONTRACT.

NOTE:

THE BANK GUARANTEE BY SUCCESSFUL BIDDER(S) WILL BE GIVEN ON NON-JUDICIAL STAMP PAPER AS PER 'STAMP DUTY' APPLICABLE. THE NON-JUDICIAL STAMP PAPER SHOULD BE IN NAME OF THE ISSUING BANK AND SECOND PARTY SHOULD BE #GAIL (INDIA) LIMITED#.

IN CASE OF FOREIGN BANK, THE SAID BANK GUARANTEE TO BE ISSUED BY ITS CORRESPONDENT BANK IN INDIA ON REQUISITE NON-JUDICIAL STAMP PAPER AND PLACE OF BID TO BE CONSIDERED AS DELHI.

IN ADDITION TO EXISTING SPECIFIED FORM (I.E. DEMAND DRAFT (DD)/BANKER'S CHEQUE/BANK GUARANTEE/LETTER OF CREDIT) MENTIONED IN TENDER DOCUMENTS FOR SUBMISSION OF SECURITY DEPOSIT/CONTRACT PERFORMANCE SECURITY, THE SUCCESSFUL BIDDER CAN ALSO SUBMIT THE SECURITY DEPOSIT/CONTRACT PERFORMANCE SECURITY THROUGH ONLINE BANKING TRANSACTION I.E. IMPS/NEFT/RTGS/SWIFT ETC. FOR THIS PURPOSE, THE DETAILS OF GAIL'S BANK ACCOUNT IS MENTIONED IN THE TENDER DOCUMENT. WHILE REMITTING SUCH ONLINE TRANSACTION, THE BIDDER MUST INDICATE "SECURITY DEPOSIT/ CONTRACT PERFORMANCE GUARANTEE AGAINST FOA/LOA NO. (SERVICE PROVIDER TO SPECIFY THE FOA/LOA NO.)" UNDER REMARKS COLUMN OF SUCH TRANSACTION OF RESPECTIVE BANK PORTAL. THE CONTRACTOR/VENDOR SHALL BE REQUIRED TO SUBMIT THE SUCCESSFUL TRANSACTION DETAILS TO THE DEALING OFFICER IMMEDIATELY THROUGH EMAIL/LETTER AND NECESSARILY WITHIN 30 DAYS FROM THE DATE OF INTIMATION OF AWARD."

Contract Agreement:

CONTRACTOR SHALL EXECUTE A CONTRACT AGREEMENT AS PER PERFORMA OF AGREEMENT GIVEN WITH THIS LOA ON A NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE (I.E. FOR NOT LESS THAN RS. 300.00) PREFERABLY OF GUJARAT STATE, IN CONFORMITY TO TERMS & CONDITIONS SPECIFIED IN THE TENDER DOCUMENT.

THE NON-JUDICIAL STAMP PAPER SHOULD BE IN NAME OF THE CONTRACTOR (FIRST PARTY) AND SECOND PARTY SHOULD BE #GAIL (INDIA) LIMITED#.

Payment Terms:

AS PER ANNEXURE-5 TO SCC OF TENDER.

A. Pending completion of the whole works, provisional progressive payments for the part of work executed by the contractor shall be made by Owner on the basis of said work completed and certified by the Owner's representative as per the agreed milestone payment schedule and the percentage break-ups given below.

Contractor shall submit his invoices to the Owner's representative monthly in the manner as instructed by Owner. Each invoice will be supported by documentation acceptable to Owner and certified by the Owner's representative. Payments made by owner to the contractor for any part of the work shall not deem that the Owner has accepted the work. All payments against running bills are advance against the work and shall not be taken as final acceptance of work / measurement carried out till the final bill. Owner will release payment through e-payments only as detailed in the bidding document.

1.0 MAINLINE WORKS

1.1 Pipeline Laying with Associated Works

S. No.	Milestone	Payment
1.1.1	Completion of	site development, stacking, clearing/ cleaning and leveling/ grading (as applicable) of ROU



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Completion of fabrication, alignment, stringing, field welding, NDT (radiography)

Completion of bend installation (if any), joint coating, trenching, lowering & padding and backfilling including TCP of lowered/ backfilled pipeline section progressively 60 %

1.1.2 Completion of tie-ins, tie-in NDT, tie-in joint coating and their backfilling
Completion of hydro testing, Completion of dewatering & swabbing progressively 30%

1.1.3 Completion of all activities and their acceptance including NOC Submission of final documents, final bill and acceptance of these by owner thereafter for successful closure of individual released work order progressively 10%

The above payment shall be made subject to the following:

i) For discontinuity on account of major crossings specified in SOR, crossing length shall not be taken into account for above payment purposes. The payment towards such crossings shall be made on the basis of item rate in SOR.

1.2 PIPELINE LAYING/INSTALLATION ACROSS VARIOUS CROSSINGS - BY HDD METHOD

1. a). All type of pre-construction survey required for Design & calculation, detail engineering, drawing, execution plan and their approval
- b). Approval of Design & calculation, detail engineering, drawing and execution plan
- c). Mobilization of Drilling Rig (HDD M/c) along with all the accessories 10%
2. Stringing, Welding, NDT, Pre-Testing and Joint Coating of carrier pipeline string. String Preparation of CS conduit welding and their coating, PE Pipeline (as applicable)
Laying of pipeline sections/Installation across various crossings through HDD method including Post hydro-testing and gauging of pipeline (if applicable) 80 %
3. Final Clean-up & restoration of area and Submission of As-Built document/ drawing duly approved by owner and acceptance of the system by Owner thereafter successful closure of individual released work order 10%

1.3 OPTICAL FIBRE CABLE (Laying with Associated Works)

- a) Completion of work : 90%
- b) Completion of all activities and their acceptance, submission of final documents, final bill and acceptance of these by owner thereafter successful closure of work order. : 10%

1.4 HDPE DUCT (Laying with Associated Works)

- a) Completion of work : 90%
- b) Completion of all activities and their acceptance, submission of final documents, final bill and acceptance of these by owner thereafter successful closure of work order. : 10%

2.0 CATHODIC PROTECTION WORKS

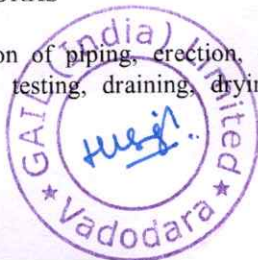
2.1 Temporary Cathode Protection System

- a) 60% on receipt of material at site and acceptance thereof.
- b) 30% on installation, testing, pre-commissioning and commissioning.
- c) 10% on completion of all activities and their acceptance. Submission of final documents, final bill and acceptance of these by owner thereafter successful closure of work order.

3.0 TERMINALS WORKS

3.1 Piping Works

- a) 60% on fabrication of piping, erection, alignment, welding complete to achieve mechanical completion.
- b) 30% on flushing, testing, draining, drying, etc.



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c) 10% on completion of all activities and their acceptance, submission of final documents, final bill and acceptance of these by owner thereafter successful closure of work order.

3.2 Civil Works

- a) 90% on completion of work on pro-rata basis as certified in running bills.
- b) 10% on completion of all activities and their acceptance, submission of final documents, final bill and acceptance of these by owner thereafter successful closure of work order.

3.3 Structural Works

- a) 60% on approval of fabrication drawings, supply and acceptance of material at site.
- b) 30% on fabrication, erection, alignment, welding, painting, etc.
- c) 10% on completion of all activities and their acceptance, submission of final documents, final bill and acceptance of these by owner thereafter successful closure of work order.

3.4 Items including supply of finished goods

- a) 60% on receipt of material at site and acceptance thereof.
- b) 30% on erection, alignment, welding, grouting, painting and testing (if applicable) etc.
- c) 10% on completion of all activities and their acceptance, submission of final documents, final bill and acceptance of these by owner thereafter-successful closure of work order.

3.5 Equipment Erection Works

- a) Completion of work : 90%
- b) Completion of all activities and their acceptance, : 10%
submission of final documents, final bill and acceptance of these
by owner thereafter successful closure of work order.

3.6 For Lumpsum Items

For all lumpsum items included in schedule of rates, contractor shall furnish price break-up for quoted lumpsum prices for the approval of Engineer-in-charge. Payment for such item shall be made accordingly. In this regard decision of Engineer-in-charge shall be final and binding to the bidder.

3.7 Supply of Materials and All Other Works (not mentioned under 3.1 to 3.6)

- a) Completion of individual items of work : 90% progressively
- b) Completion of all activities and their acceptance, : 10% submission of final documents, final bill and acceptance of these by owner thereafter successful closure of work order.

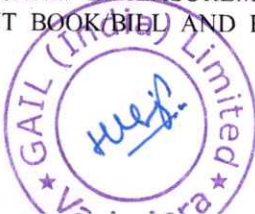
3.8 Terms of payment for Crossing Permission are furnished as below:

- a) 90% on submission of demand note, deposition of demanded amount to respective authority and execution of agreement
- b) 10% on submission of final permission letter/NOC to GAIL in original

3.9 PAYMENT METHODOLOGY

- a) The contractor shall raise invoices on monthly basis. Bidder shall enclose all documents as per check list issued by PMC/GAIL.
- b) GAIL has introduced the online payment portal named #ANJANI# whereby the contractor will submit measurement book, abstract of payment and Memorandum of payment (MOP) online on this portal for payment along with all requisite documents as per checklist. The contractor can see the status of their bill on ANJANI PORTAL ON GAIL's website.
- c) Further break-up of Lumpsum Prices, if deemed necessary for any progressive payment of individual item may be mutually agreed between Engineer-in-Charge and the Contractor.
- d) All payments against running bills are advance against the work and shall not be taken as final acceptance of work / measurement carried out till the final bill.
- e) Bills shall be raised by contractor in line with checklist attached in Tender document or provided by client/PMC during execution stage.

GAIL HAS IMPLEMENTED #ANJANI# E-MEASUREMENT BOOK & E-BILLING PORTAL FOR EASE IN SUBMISSION OF MEASUREMENT BOOK/BILL AND REDUCTION IN PAPER TRANSACTION.



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ACCORDINGLY, GAIL WILL PROCESS THE BILL WITH MEASUREMENT BOOK THROUGH #ANJANI# E-MEASUREMENT BOOK & E-BILLING PORTAL (LINK: [HTTPS://GAILEBANK.GAIL.CO.IN/MBAUTOMATION/FRMLOGIN.ASPX](https://GAILEBANK.GAIL.CO.IN/MBAUTOMATION/FRMLOGIN.ASPX)).

ACCORDINGLY, CONTRACTOR/SERVICE PROVIDER/CONSULTANT IS REQUESTED TO FORWARD THE RA BILL ON #ANJANI# E-MEASUREMENT BOOK & E-BILLING PORTAL THROUGH CONCERNED EIC/CIC/SIC, WHICHEVER IS APPLICABLE.

FURTHER, USER MANUAL IS ALSO AVAILABLE ON AFORESAID PORTAL.

VENDOR INVOICE MANAGEMENT (VIM)

GAIL HAS IMPLEMENTED VENDOR INVOICE MANAGEMENT (VIM) SYSTEM TITLED AS #SARATHI# FOR AUTOMATION, DIGITIZATION & CENTRALIZATION OF ACCOUNT PAYABLE PROCESS W.E.F. 01.04.2023.

SUPPLIER/CONTRACTOR/SERVICE PROVIDER/ CONSULTANT IS REQUIRED TO UPLOAD DIGITAL INVOICE ON 'SPARSH' PORTAL. THE SYSTEM OPTIMIZES AND SIMPLIFIES THE PROCESS OF RECEIVING, MANAGING, MONITORING AND FORWARDING INVOICES FOR PAYMENT PROCESS. THE LINK OF 'SPARSH' PORTAL IS AS UNDER:

[HTTPS://SPARSH.GAIL.CO.IN/FLIPPER/#/LOGIN](https://SPARSH.GAIL.CO.IN/FLIPPER/#/LOGIN)

THE 'HELP MANUAL' HYPERLINK TO ACCESS THE DETAILED USER MANUAL, DEMO VIDEOS, FAQ#S AND OTHER RELEVANT INFORMATION IS AVAILABLE ON 'SPARSH' PORTAL.

ONLY DIGITAL INVOICE IS TO BE UPLOADED ON 'SPARSH' PORTAL AND ALL OTHER SUPPORTING DOCUMENTS ALONG WITH COPY OF INVOICE ARE TO SUBMITTED TO CONCERNED AS DEFINED IN PURCHASE ORDER (PO)/ LETTER OF ACCEPTANCE (LOA).

Paying Authority:

VENDOR INVOICE MANAGEMENT CENTER, GAIL INDIA LIMITED # NOIDA.

PAN Particulars:

GAIL (India) Ltd PAN No. AAACG1209J

"As per CBDT Notification No. 95/2015 dated 30.12.2015, mentioning of PAN no. is mandatory for procurement of goods / services/works/consultancy services exceeding Rs. 2 Lacs per transaction.

Accordingly, supplier/ contractor/ service provider/ consultant should mention their PAN no. in their invoice/ bill for any transaction exceeding Rs. 2 lakhs. As provided in the notification, in case supplier/ contractor/ service provider/ consultant do not have PAN no., they have to submit declaration in Form 60 along with invoice/ bill for each transaction. Payment of supplier/ contractor / service provider/ consultant shall be processed only after fulfilment of above requirement".

GSTN Details :

Please note that our state/plant wise GSTN details as below for invoicing and other purpose.

NG Tr- S Guj Baroda(Guj NH) (3110)

24AAACG1209J1Z2

GAIL has implemented Vendor Invoice Management System for processing of invoices. The solution has been configured to handle both physical invoices as well as digitally signed invoices. This system optimizes the invoice management at GAIL and expedite their processing. The detailed methodology for submission of invoices shall be informed separately.



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As a pre-requisite to the system, it is important to mention the details of Purchase Order/ Letter of Acceptance number on the face of invoice. Accordingly you are requested to ensure Purchase Order/ Letter of Acceptance number is clearly mentioned on the Invoice. Further Invoices should be system generated and no handwritten invoices shall be eligible for OCR conversion on VIM portal.

Your Bank Details :

Please note that details of your bank account in our system are as under. You are requested to verify the same and intimate discrepancies, if any

Account No. - 091705002192
Bank Name - ICICI BANK
IFSC Code - ICIC0000845

Price Reduction Schedule:

IN CASE THE SERVICE PROVIDER FAILS TO MOBILIZE / DEPLOY THE REQUIRED MANPOWER AND THE COMPLETE EQUIPMENTS SO AS TO COMMENCE THE SERVICES WITHIN MOBILISATION PERIOD AND COMPLETE THE SERVICES WITHIN THE STIPULATED PERIOD, THEN, UNLESS SUCH FAILURE IS DUE TO FORCE MAJEURE AS DEFINED IN CLAUSE 2.21 OF GCC OR DUE TO EMPLOYER'S DEFAULTS, THE TOTAL VALUE OF CONTRACT SHALL BE REDUCED BY ½ (HALF) % OF THE TOTAL VALUE OF CONTRACT PER COMPLETE WEEK OF DELAY OR PART THEREOF SUBJECT TO A MAXIMUM OF 5 (FIVE) % OF THE TOTAL VALUE OF CONTRACT, BY WAY OF REDUCTION IN PRICE FOR DELAY AND NOT AS PENALTY.

THE EMPLOYER SHALL BE AT LIBERTY TO ADJUST OR DEDUCT THE SAID AMOUNT FROM AMOUNT DUE TO THE SERVICE PROVIDER/IT#S CONTRACT PERFORMANCE SECURITY PAYABLE ON DEMAND.

THE DECISION OF THE EIC WITH RESPECT TO APPLICABILITY OF PRICE REDUCTION SCHEDULE SHALL BE FINAL AND BINDING ON THE SERVICE PROVIDER.

Defect Liability Period:

AS PER TERMS & CONDITIONS OF TENDER REF. NO. GAIL/BDA/CNP/AKM/25/W-05 (TENDER ID: 2025_GAIL_237514_1) DT: 12.06.2025.

Contract Document:

1. THIS DETAILED LETTER OF ACCEPTANCE (LOA).
2. TENDER NO. GAIL/BDA/CNP/AKM/25/W-05 (TENDER ID: 2025_GAIL_237514_1) DT: 12.06.2025
3. AGREEMENT EXECUTED ON NON-JUDICIAL STAMP PAPER.

FOI Reference/Regularization:

NIL.

Engineer-In-Charge:

SH. AJAY KUMAR TRIPATHI, DGM (RIMG-O&M), GAIL (INDIA) LIMITED, VADODARA (E-MAIL: ajay_tripathi@gail.co.in, PHONE: 09869078933) IS THE OVERALL ENGINEER-IN-CHARGE (E-I-C) FOR THE ENTIRE WORK UNDER THIS CONTRACT.

PLEASE CONTACT SH. AJAY KUMAR TRIPATHI, DGM (RIMG-O&M), GAIL (INDIA) LIMITED, VADODARA FOR FURTHER INSTRUCTIONS REGARDING MOBILIZATION AND EXECUTION OF WORK.

Other Contractual Stipulations:

OUR GST DETAILS:

1. CUSTOMER NAME: GAIL (INDIA) LIMITED.
2. CUSTOMER ADDRESS: GAIL COMPLEX, REGIONAL PIPELINE NETWORK HEADQUARTERS-GUJARAT BEHIND SIR SAYAJI GRUH, NEAR AJIT NAGAR, AKOTA, O.P. ROAD, VADODARA-390020 (GUJARAT)



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3. ARN NO. : AA241216014846C
4. GST NO. : 24AAACG1209J1Z2
5. PAN NO. : AAACG1209J

ALL OTHER STIPULATIONS MADE BY YOU IN YOUR OFFER/CORRESPONDENCE EXCHANGED SHALL BE TREATED AS NULL & VOID AND DEEMED TO HAVE BEEN UNCONDITIONALLY WITHDRAWN BY YOU IN FAVOR OF PROVISIONS OF THE CONTRACT DOCUMENTS OF THIS LOA.

General Conditions of Contract:

AS PER TERMS & CONDITIONS OF TENDER REF. NO. GAIL/BDA/CNP/AKM/25/W-05 (TENDER ID: 2025_GAIL_237514_1) DT: 12.06.2025 FOR "ARC FOR O&M RELATED PIPELINE LAYING AND ASSOCIATED JOBS WITHIN THE JURISDICTION OF RPNHQ VADODARA FOR A PERIOD OF TWO YEARS".

Special Conditions of Contract:

AS DEFINED/DETAILED IN TENDER REF. NO. GAIL/BDA/CNP/AKM/25/W-05 (TENDER ID: 2025_GAIL_237514_1) DT: 12.06.2025 FOR "ARC FOR O&M RELATED PIPELINE LAYING AND ASSOCIATED JOBS WITHIN THE JURISDICTION OF RPNHQ VADODARA FOR A PERIOD OF TWO YEARS".

Post Order Correspondence:

FOR CONTRACT RELATED:

HOD (C&P),
GAIL (INDIA) LIMITED,
GAIL COMPLEX, AJIT NAGAR,
AKOTA, VADODARA - 390020 (GUJARAT)



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Enclosures :
NIL.

This order is being issued in triplicate. Two copies of the order duly signed, stamped and dated on each page, may be returned within 3 days from date of receipt of the order to the undersigned..

For & on behalf of
GAIL (India) Ltd.



(Authorized Signatory)

NAME
DESIGNATION

हरितिक कुमार सिंह / HRITHIK KUMAR SINGH
वरिष्ठ अधिकारी (सर्विदा एवं प्रापण)
Senior Officer (Contract & Procurement)
गैल (इंडिया) लिमिटेड / GAIL (India) Limited
गैल कॉम्प्लेक्स, प्लॉट नं 549 / 1, अजीत नगर, अकोटा, वाडोदरा - 390020
GAIL Complex, Plot No. 549H, Ajit Nagar, Akota, Vadodra - 390020

NOTE: Each page of this order including its annexure should be signed and stamped by the contractor before returning to GAIL (India) Ltd..

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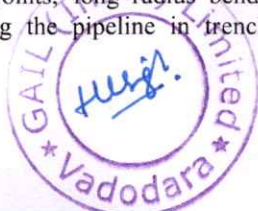
SCHEDULE OF RATES

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A00100	PIPELINE LAYING / INSTALLATION (CS)					

Receiving and taking over, as defined in the specifications, handling, loading, transportation and unloading of Owner-supplied 3-layer PE coated line pipes along with associated fittings and valves from Owner's designated stock-yard to Contractor's stock-yard / workshop / work-site including preliminary activities, preparation of drawings, wherever required for crossing, etc. including handling, stacking, stringing on the pipeline right-of-use / pipeline route alignment, carrying out inspection of Company-supplied materials, including line pipes, at the time of taking over, laying / installation of coated line pipes, associated fittings (IJ, barred tee etc) and accessories, including execution of all works, taking over, handling, including loading and unloading, arrangement of all additional land required for Contractor's storage, fabrication, access for construction, procurement and supply of all materials (except Owner-supplied materials), consumables, equipment, labour and other inputs, carrying out all temporary, ancillary, auxiliary works, ready for commissioning of pipeline, as per drawings, specifications, other provisions of Contract Document and instructions of Engineer-in-Charge (EIC), including, but not limited to, carrying out following works:

1. Pipeline laying works are likely to be executed in different sections having various sizes and lengths scattered at many places under jurisdiction of RPNHQ GAIL Vadodara as per instruction of Engineer In Charge (EIC).
2. Transportation cost of FIM 3 layer PE coated line pipe from GAIL dump yard/store to ROW will be paid to the contractor as per applicable SOR No. B006030.
3. Survey required for entire pipeline route including surveying of detours for the detours required at the time of construction including marking the route map, alignment sheet, topographical sheet & other survey drawings, etc., preparation of AFC drawings showing survey details, and submit same to Owner for review.
4. Staking and installation of construction markers, clearing, fencing, grubbing, full filling all the requirements of various statutory / environment authorities to the entire satisfaction of concerned authorities, grading of work area. Shifting of all obstructions within the ROU / pipeline route alignment, viz. electrical lines / poles, telephone lines / poles, coordination with concerned authorities and obtaining permissions from these authorities.
5. Trenching to all depths by excavation in all types of soils except hard rock, chiselling or otherwise cutting different types of pavement, footpath, roads etc. as required and storing excavated soil, reusable materials at designated area as directed by Engineer in charge and to a width to accommodate the pipeline and optical fibre conduit as per the relevant standard / specification etc. [The minimum depth of the top of pipeline shall be 1.5m measured from top of pipeline coating to the top of undisturbed surface of the soil or as per Special Condition of Contract (SCC) / OSID - 141 OISD - 226]. Dewater of trenches if required as per site condition.
Note : Extra payment on account of excavation in hard rock will be as per SOR item No. A00120 based on actual measurement for hard rock encountered as certified by the EIC.
6. Carrying out repairs of pipe defects / replacement in case of irreparable defects and repairs of defects of pipe coating not attributable to Owner including defects / damages occurring during transportation / handling.
7. Stringing of line pipes along ROU including providing straw / sand / soft soil bags, soft padding / sand padding.
8. Checking, cleaning, aligning, bending, cutting and bevelling (as required) of pipes for welding & field adjustments including pipe fittings, welding, carrying out non-destructive testing of welds as required including 100% radiography by X-Ray (in case of space constraint & small work by Gamma Ray on Owner's approval) as per specifications in piping of all types and thickness and providing all requisite equipment, labour, supervision, materials, films, consumables, all facilities & personnel to process, develop, examine and interpret radiographs & other tests as required, carrying out repairs of weld-joints found defective by EIC, carrying out re-radiography and other tests as required on repaired joints, etc. as mentioned in SCC and particular job specifications.
9. Installation of carrier line pipe at all crossings viz road, cartrack, pathway, drain, nallah & minor water crossings, etc. at designated depth by open cut (including laying of casing pipe) (except at HDD / Boring cased crossings which is covered separately elsewhere in this SOR).
10. Coating of all weld joints, long radius bends, etc.
11. Installation / lowering the pipeline in trench to required depth, placement of PE / PVC warning mat over



Vendor Code: 101071502
STRING AND WELD
PRIVATE LIMITED.

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LOA Date : 20.08.2025

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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the pipeline along the complete route, padding around pipeline with suitable approved soil including supply of padding material and PE / PVC warning mat, backfilling with available / borrowed yearth, approved excavated material and /or other suitable soil by crowning.

12. Supply and installation of slope breakers, bank protection, wherever required and as directed by EIC.

13. Erection of isolation valves for pipelines inside the valve-pits and making provision to operate the valves at above ground level.

14. All tying-in, including the tie-ins with adjacent section of the pipeline.

15. Lowering the pipelines in trench, providing required depth and backfilling over and around the pipeline with available, approved excavated material as per specification and / or other suitable soil approved by EIC.

16. Select soil for backfilling, if required, as per specification including supply of graded sand / rock / other types of soil in place of available excavated material and / or other suitable soil, including transportation of such special backfill material over all distances, complete.

17. Protective coating of 450 microns thick 2-component high built coal tar epoxy (applied with the help of minimum 3 coats) including supply of coating & other materials duly approved by Owner for all piping valves, fittings, structural steels, etc. for buried installation and inside the valve-pit.

18. Carrying out air cleaning, pigging, flushing, cleaning and hydrostatic testing of complete pipeline with required quantity of corrosion inhibitor including pre-testing of designated sections complete as per specification and approved by EIC to specified pressures indicated elsewhere and duration after stabilization as per specification, providing all equipment, pumps, fittings, instruments, dead weight tester, pressure recorder, thermocouples, etc., and services, supervision, labour, consumables, water including supply of corrosion inhibitor, air, etc. as required, locating of leaks and rectification of defect attributable to Contractor (rectification of defects in linepipe material not attributable to Contractor shall be paid separately as per other item of SOR), re-testing after rectification, dewatering after successful completion of hydrotesting of entire section and as approved by EIC, complete.

19. Swabbing of the complete pipeline section and the associated facilities being installed to the specified acceptance criteria, carrying out pre-commissioning works, providing assistance during the complete duration of commissioning operations for entire pipeline and making the entire pipeline system ready for commissioning including supply of all equipment, manpower, consumables (including pigs and Nitrogen required for maintaining Nitrogen column of minimum 5% of pipeline volume) materials for all temporary works and performing all associated works, complete as per the relevant specifications, other provisions of Contract Document and instructions of EIC.

20. Final clean-up of right-of-use and disposal of debris and surplus material to designated disposal areas and reinstalling the area to its earlier state as per satisfaction of concerned authority and as directed by EIC.

21. Preparation of as-built drawings, pipe-books and Hydrotest records, Inspection reports, NDT Reports etc. Same shall be submitted in Electronic form (01 Set) and 02 set of hard Copies. All the works shall be executed in accordance with the provision of Contract including carrying out all temporary / ancillary / auxiliary works required for the performance of the works and all other acts, deeds, matters and things necessary to make the pipeline ready for precommissioning activities.

22. Line pipe laying & installation with radiography.

Note:

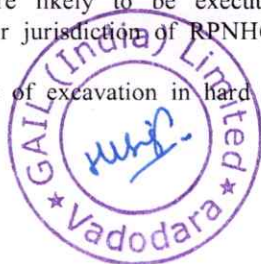
(1) This item shall be applicable for the underground steel main pipeline & underground tap-off points (i.e. including arrangement for making provision for tap-off except hot tapping and their hook-up) on existing / proposed steel main pipeline to Insulating Joint at proposed Receiving / Dispatch Station;

(2) All crossings installed by HDD / jacking / boring shall be paid separately as per the rates quoted for the same elsewhere in the SOR.

(3) Transportation cost of FIM 3-layer PE coated line pipe from GAIL dumpyard/store to ROW will be paid to the contractor as per applicable SOR No. B006030.

(4) Pipeline laying works are likely to be executed in different sections having various sizes and lengths scattered at many places under jurisdiction of RPNHQ GAIL Vadodara as per instruction of Engineer In Charge (EIC).

(5) Extra payment on account of excavation in hard rock will be as per SOR item No. A00120 based on actual



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LOA No. : GAIL/BDA/128431/5300045630/CP/AK/25/W05
LOA Date : 20.08.2025

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
measurement for hard rock encountered as certified by the EIC.						
A00101	100(4"),diff. gr & thick,Leng-upto 200 M	400	M	1,450.00	580,000.00	
100 (4"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline upto 200 meters)						
A00102	100(4"),diff. gr & thick,Leng-upto 800 M	800	M	1,450.00	1,160,000.00	
100 (4"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline upto 800 meters)						
A00103	100(4"),diff. gr & thick,Leng-Beyo 800 M	4,000	M	1,450.00	5,800,000.00	
100 (4"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline beyond 800 meters)						
A00107	200(8"),diff. gr & thick,Leng-upto 200 M	200	M	2,300.00	460,000.00	
200 (8"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline upto 200 meters)						
A00108	200(8"),diff. gr & thick,Leng-upto 800 M	400	M	2,300.00	920,000.00	
200 (8"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline upto 800 meters)						
A00109	200(8"),diff. gr & thick,Leng-Beyo 800 M	1,000	M	2,300.00	2,300,000.00	
200 (8"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline beyond 800 meters)						
A00110	250(10"),diff. gr & thick,Lng-upto 200 M	200	M	2,400.00	480,000.00	
250 (10"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline upto 200 meters)						
A00111	250(10"),diff. gr & thick,Lng-Beyo 200 M	300	M	2,400.00	720,000.00	
250 (10"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline beyond 200 meters)						
A00112	300(12"),diff. gr & thick,Lng-upto 200 M	200	M	2,650.00	530,000.00	
300 (12"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline upto 200 meters)						
A00113	300(12"),diff. gr & thick,Lng-Beyo 200 M	300	M	2,650.00	795,000.00	
300 (12"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline beyond 200 meters)						
A00114	350(14"),diff. gr & thick,Lng-upto 200 M	100	M	2,950.00	295,000.00	
350 (14"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline upto 200 meters)						
A00115	350(14"),diff. gr & thick,Lng-Beyo 200 M	300	M	2,950.00	885,000.00	
350 (14"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline beyond 200 meters)						
A00116	400(16"),diff. gr & thick,Lng-upto 200 M	100	M	3,250.00	325,000.00	
400 (16"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline upto 200 meters)						
A00117	400(16"),diff. gr & thick,Lng-Beyo 200 M	300	M	3,250.00	975,000.00	
400 (16"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline beyond 200 meters)						
A00118	450(18"),diff. gr & thick,Lng-upto 200 M	100	M	3,450.00	345,000.00	
450 (18"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline upto 200 meters)						
A00119	450(18"),diff. gr & thick,Lng-Beyo 200 M	300	M	3,450.00	1,035,000.00	
450 (18"), diff. grades & thickness (applicable for Connectivity cumulative length of mainline beyond 200 meters)						
A00120	EXCATION IN HARD ROCK	100.000	M3	1,450.00	145,000.00	YY
A00130	S&I OF CONCRETE SLAB/HT SHEET	100	M	950.00	95,000.00	
Supply and installation of Concrete Slab / HT sheeting for Protection of Pipeline against underground HT cables /overhead HT lines as per drawing and specification attached with tender document.						
A00140	REMOVAL OF OLD BURIED PIPELINE (CS P/L)					



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LOA Date : 20.08.2025

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Dismantling, removal of old buried natural gas carbon steel pipeline and its disposal as instructions of Engineer-in-Charge (EIC), including, but not limited to, carrying out following works:

1. All associated activities like excavation in ROU, decommissioning, cold cutting, removal of pipe from trench with safety, its handling and transportation and disposal are in scope of contractor.
2. Contractor will take all necessary action for ensuring safety during dismantling/removal of old buried pipeline as per instruction of EIC.
3. Old removed pipe will be property of GAIL and to be shifted to GAIL yard as per instruction of EIC. Transportation charges for shifting of this removed pipe will be paid as per SOR No. B0060000 of this tender document.
4. Final clean-up of right-of-use and disposal of debris and surplus material to designated disposal areas and reinstalling the area to its earlier state as per satisfaction of concerned authority and as directed by EIC.
5. The scope of the job is not limited to the above, but inclusive of any other associated works required to be executed for completion of job in all respects for completion as per instruction of and satisfaction of EIC. All required material and consumables are in the scope of contractor. Any other works required/directed by Engineer-in-charge for the satisfactory and successful completion of this old pipeline removal job with safety shall be included in quoted rates and at no extra cost to the owner.

A00141	Removal of CS pipeline upto 4Inch Dia.	1,000	M	550.00	550,000.00	
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Safe Removal of Carbon steel pipeline upto 4 Inch

A00142	Removal of CS pipeline B/W 6 to 8 Inch	250	M	650.00	162,500.00	
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Safe Removal of Carbon steel pipeline more than 4 inch to 8 Inch

A00143	Removal of CS pipeline B/W 10 to 12 Inch	200	M	850.00	170,000.00	
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Safe Removal of Carbon steel pipeline more than 8 inch to 12 Inch

A00144	Removal of CS pipeline B/W 14 to 20 Inch	200	M	1,050.00	210,000.00	
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Safe Removal of Carbon steel pipeline more than 12 inch to 20 Inch

A00200	SUPPLY OF BENDS					
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A00211	R= 3D,4"NB 7.1 Gr42 (46°-90°)	2	EA	3,500.00	7,000.00	
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Bends (R = 3D) 4" NB, 7.1mm W.T. MSS SP-75 Gr. WPHY-42 Angle - 46° to 90°

A00212	R= 3D,4"NB 7.1 Gr42 (23°-45°)	2	EA	3,500.00	7,000.00	
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Bends (R = 3D) 4" NB, 7.1mm W.T. MSS SP-75 Gr. WPHY-42 Angle - 23° to 45°

A00213	R= 3D,4"NB 7.1 Gr42 (22.5°/low)	2	EA	3,500.00	7,000.00	
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Bends (R = 3D) 4" NB, 7.1mm W.T. MSS SP-75 Gr. WPHY-42 Angle - 22.5° or lower

A00214	R= 3D,8"NB 8.7WT MSS SP-75Gr60(46°-90°)	2	EA	7,500.00	15,000.00	
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Bends (R = 3D) 8" NB, 8.7 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 46° to 90°

A00215	R= 3D,8"NB 8.7WT MSS SP-75Gr60(23°-45°)	2	EA	7,500.00	15,000.00	
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Bends (R = 3D) 8" NB, 8.7 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 23° to 45°

A00216	R= 3D,8"NB 8.7WT MSS SP-75Gr60(22.5°/low)	2	EA	7,500.00	15,000.00	
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Bends (R = 3D) 8" NB, 8.7 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 22.5° or lower

A00217	R= 3D,12"NB 7.9/9.5 WT Gr60 (46°-90°)	2	EA	17,500.00	35,000.00	
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Bends (R = 3D) 12" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 46° to 90°

A00218	R= 3D,12"NB 7.9/9.5 WT Gr60 (23°-45°)	2	EA	17,500.00	35,000.00	
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Bends (R = 3D) 12" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 23° to 45°

A00219	R= 3D,12"NB 7.9/9.5 WTGr60 (22.5°/low)	2	EA	17,500.00	35,000.00	
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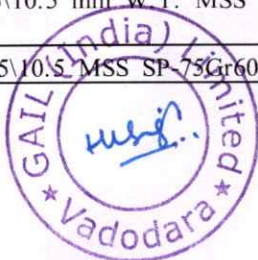


Vendor Code: 101071502
STRING AND WELD
PRIVATE LIMITED.

LOA No. : GAIL/BDA/128431/5300045630/CP/AK/25/W05
LOA Date : 20.08.2025

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
Bends (R = 3D) 12" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 22.5° or lower						
A00220	R= 6D,4"NB,7.1 WT Gr42(46°-90°)	2	EA	7,000.00	14,000.00	
Bends (R = 6D) 4" NB, 7.1 mm W.T. MSS SP-75 Gr. WPHY-42 Angle - 46° to 90°						
A00221	R= 6D,4"NB,7.1 WT Gr42 (23°-45°)	2	EA	7,000.00	14,000.00	
Bends (R = 6D) 4" NB, 7.1mm W.T. MSS SP-75 Gr. WPHY-42 Angle - 23° to 45°						
A00222	R6D,4"NB 7.1 WT Gr42 (22.5°low)	2	EA	7,000.00	14,000.00	
Bends (R = 6D) 4" NB, 7.1mm W.T. MSS SP-75 Gr. WPHY-42 Angle - 22.5° or lower						
A00223	R= 6D,8"NB,8.7 WT MSS SP-75Gr60(46°-90°)	2	EA	18,000.00	36,000.00	
Bends (R = 6D) 8" NB, 8.7 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 46° to 90°						
A00224	R= 6D,8" NB,8.7 WT MSS SP-75Gr60(23°-45°)	2	EA	18,000.00	36,000.00	
Bends (R = 6D) 8" NB, 8.7 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 23° to 45°						
A00225	R6D,8"NB,8.7 WT MSS SP75Gr60(22.5°low)	2	EA	18,000.00	36,000.00	
Bends (R = 6D) 8" NB, 8.7 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 22.5° or lower						
A00226	R= 6D,10"NB,8.7\9.5 WT SP-75Gr60(46°-90°)	2	EA	25,000.00	50,000.00	
Bends (R = 6D) 10" NB, 8.7\9.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 46° to 90°						
A00227	R= 6D,10" NB,8.7\9.5WT SP-75Gr60(23°-45°)	2	EA	25,000.00	50,000.00	
Bends (R = 6D) 10" NB, 8.7\9.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 23° to 45°						
A00228	R= 6D,10"NB,8.7\9.5WT SP-75Gr60(22.5°low)	2	EA	25,000.00	50,000.00	
Bends (R = 6D) 10" NB, 8.7\9.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 22.5° or lower						
A00229	R6D,12" 9.5\10.5 WT MSSSP75Gr60(46°-90°)	2	EA	27,000.00	54,000.00	
Bends (R = 6D) 12" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 46° to 90°						
A00230	R6D,12" 9.5\10.5 WT SP-75Gr60(23°-45°)	2	EA	27,000.00	54,000.00	
Bends (R = 6D) 12" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 23° to 45°						
A00231	R6D,12" 9.5\10.5 SP-75Gr60(22.5°low)	2	EA	27,000.00	54,000.00	
Bends (R = 6D) 12" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 22.5° or lower						
A00232	R6D,14" 9.5\10.5WT MSSSP75Gr60(46°-90°)	2	EA	32,000.00	64,000.00	
Bends (R = 6D) 14" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 46° to 90°						
A00233	R6D,14" 9.5\10.5 MSS SP-75Gr60(23°-45°)	2	EA	32,000.00	64,000.00	



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Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Bends (R = 6D) 14" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 23° to 45°

A00234	R6D,14" 9.5\10.5 MSS SP-75Gr60(22.5°low	2	EA	32,000.00	64,000.00	
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Bends (R = 6D) 14" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 22.5° or lower

A00235	R6D,16" 9.5\10.5 WT MSSSP75Gr60(46°-90°)	2	EA	40,000.00	80,000.00	
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Bends (R = 6D) 16" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 46° to 90°

A00236	R6D,16" 9.5\10.5 MSS SP-75Gr60(23°-45°	2	EA	40,000.00	80,000.00	
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Bends (R = 6D) 16" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 23° to 45°

A00237	R6D,16" 9.5\10.5 MSS SP-75Gr60(22.5°low	2	EA	40,000.00	80,000.00	
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Bends (R = 6D) 16" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 22.5° or lower

A00238	R6D,18" 9.5\10.5 WT MSSSP75Gr60(46°-90°)	5	EA	45,000.00	225,000.00	
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Bends (R = 6D) 18" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 46° to 90°

A00239	R6D,18" 9.5\10.5 MSS SP-75Gr60(23°-45°)	2	EA	45,000.00	90,000.00	
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Bends (R = 6D) 18" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 23° to 45°

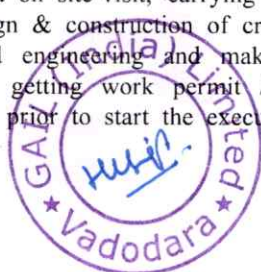
A00240	R6D,18" 9.5\10.5 MSS SP-75Gr60(22.5°low	2	EA	45,000.00	90,000.00	
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Bends (R = 6D) 18" NB, 9.5\10.5 mm W.T. MSS SP-75 Gr. WPHY-60 Angle - 22.5° or lower

A00300	INSTALLATION OF CARRIER PIPE CROSSINGS B					
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#Complete work of installation of carrier pipe at crossings (between the limits as defined in approved drawings in all types of strata. Drawing preparation and obtaining the approval on the same is included in the scope of Contractor) by HDD method for roads, nallahs, drains and canals, wherever required, in all types of strata, including "receiving and taking over" Owner-supplied 3-layer PE coated line pipes from Owner's designated place of issue / dump-site(s) and transportation to Contractor's stock-yard / workshop / work-site including all handling loading, unloading, aligning, etc. supply of all Contractor-supplied materials, including CS CONDUIT of size 150mm NB, 6.4mm thick. as per IS 3589 or equivalent, manpower, equipment, consumable, other resources and acquiring the required land for storage, fabrication, including string preparation of pipes, welding, welding repair, radiography, coating of field joints with special type Heat Shrink Sleeve and repair of pipeline coating with special repair patch materials as per specification, strapping of HDPE conduit or CS conduit subducted with HDPE conduit as the case may be with main pipeline for laying, pre-testing, etc. of complete string made for crossing access for Contractor, etc. and execution of, but not limited to, following works in accordance with the specifications and instructions of EIC, and as per all provisions of Contract Document.#

Pre-construction survey based on site-visit, carrying out all additional topographical, hydrological & geo-technical surveys as required for design & construction of crossing, collection of data (if reqd.) from concerned authority including design & detailed engineering and making of crossing drawings for getting their approval from concerned authority / EIC, getting work permit / NOC for crossings as well as utility crossings (if any) encountered during crossings prior to start the execution of work.



Vendor Code: 101071502
STRING AND WELD
PRIVATE LIMITED.

LOA No. : GAIL/BDA/128431/5300045630/CP/AK/25/W05
LOA Date : 20.08.2025

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Drilling to required depth including maintenance of drill hole in all types of strata, all depth to accommodate the pipeline at all conditions encountered during crossing by approved HDD methods procedure for providing minimum cover specified in code / specification or as decided by concerned authority, whichever is more.

Backfilling of the ditch / trench including restoration and cleanup of area and all other works including cleaning, final hydrotesting, etc. along with mainline works (as mentioned in clause no. A00100 above) required as per specification, approved drawings, calculations, methods and to the satisfaction of EIC and / or as directed by concerned authority.

Note:

- (1) The length mentioned in SOR is indicative for all the crossing to be done by HDD & locations shall be decided by GAIL / Consultant prior to start of job depending upon site-condition
- (2). HDD jobs are likely to be executed in different sections with varying length at different locations under jurisdiction of RPNHQ Vadodara as per instruction of Engineer in Charge (EIC).
- (3). Supply of CONDUIT PIPE is in scope of contractor under this SOR.

A00310	Installation of 4" CS Pipe by HDD	100	M	6,500.00	650,000.00	
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Installation of 4" NB 3LPE Coated Carbon Steel Pipeline by HDD

A00311	Installation of 8" CS Pipe by HDD	100	M	9,500.00	950,000.00	
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Installation of 8" NB 3LPE Coated Carbon Steel Pipeline by HDD

A00312	Installation of 10" CS Pipe by HDD	50	M	9,500.00	475,000.00	
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Installation of 10" NB 3LPE Coated Carbon Steel Pipeline by HDD

A00313	Installation of 12" CS Pipe by HDD	100	M	12,500.00	1,250,000.00	
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Installation of 12" NB 3LPE Coated Carbon Steel Pipeline by HDD

A00314	Installation of 14" CS Pipe by HDD	50	M	13,500.00	675,000.00	
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Installation of 14" NB 3LPE Coated Carbon Steel Pipeline by HDD

A00315	Installation of 16" CS Pipe by HDD	100	M	15,500.00	1,550,000.00	
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Installation of 16" NB 3LPE Coated Carbon Steel Pipeline by HDD

A00316	Installation of 18" CS Pipe by HDD	200	M	17,500.00	3,500,000.00	
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Installation of 18" NB 3LPE Coated Carbon Steel Pipeline by HDD

A00600	PERMANENT MARKERS					
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Supply, fabrication & installation of following types of permanent markers along the route including all associated civil works such as excavation in all types of soil, construction of pedestals & grouting with concrete, cleaning, supply & application of approved colour & quality of primer and paint, stencil letter cutting for numbers, direction, chainage, etc., restoration of area to original condition & performing all works as per drawings, specifications and instructions of EIC.

A00601	Pipeline Warning Signs	25	EA	8,500.00	212,500.00	
A00602	Right-of-way Boundary Markers	200	EA	1,250.00	250,000.00	
A00603	Kilometer Markers	5	EA	8,500.00	42,500.00	
A00604	Direction Markers	5	EA	8,500.00	42,500.00	



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STRING AND WELD
PRIVATE LIMITED.

LOA No. : GAIL/BDA/128431/5300045630/CP/AK/25/W05
LOA Date : 20.08.2025

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A00700	LIAISONING WITH AUTHORITIES					

Pipeline laying/Crossing liaisoning with statutory authorities / Permission Issuing Authorities

A00701	Liaisoning with Permission Authority	2,000	M	75.00	150,000.00	
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For pipeline laying Liaisoning with statutory Authority /Permission issuing Authorities for obtaining routine work permit for execution of work and NOC from various statutory Authority having jurisdiction before/during execution of work and for complying with all stipulations/ conditions and recommendation of the said Authority.

Required Permission shall be arranged/obtained by the Owner.

(Note :- Payment shall be based on the actual length of pipeline laid in KM).

A00702	Liaisoning charges per crossing	10	EA	25,000.00	250,000.00	
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Liaisoning charges per crossing with statutory Authority / Permission issuing Authorities for obtaining routine work permit for execution of work and NOC from various Statutory Authority having jurisdiction before/during execution of work and for complying with all stipulations/ conditions and recommendation of the said Authority. However, Required Permission shall be arranged/obtained by the Owner/GAIL.

(Note :- Payment shall be based on per crossing basis).

A00800	INSTALLATION OF PIPE WITH MOILING					
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#Complete work of installation of carrier pipe at crossings (between the limits as defined in approved drawings) by moiling method for roads, nallahs, drains and Factory Gates etc., wherever required, in all types of soils, soft rock/ murram. This includes "receiving and taking over" Owner-supplied 3-layer PE coated line pipes from Owner's designated place of issue / dump-site(s) and transportation to Contractor's stock-yard / workshop / work-site including all handling loading, unloading, aligning, etc. supply of all Contractor-supplied materials, manpower, equipment, consumable, other resources and acquiring the required land for storage, fabrication, including string preparation of pipes, welding, welding repair, radiography, coating of field joints with special type Heat Shrink Sleeve and repair of pipeline coating with special repair patch materials as per specification, strapping of HDPE duct as the case may be with main pipeline for laying / blowing of OFC cables, pre-testing, etc. of complete string made for crossing access for Contractor, etc. and execution of, but not limited to, following works in accordance with the specifications and instructions of EIC, and as per all provisions of Contract Document.#

Pre-construction survey based on site-visit, carrying out all additional topographical, hydrological & geo-technical surveys as required for design & construction of crossing, collection of data (if reqd.) from concerned authority including design & detailed engineering and making of crossing drawings for getting their approval from concerned authority / EIC, getting work permit / NOC for crossings as well as utility crossings (if any) encountered during crossings prior to start the execution of work.

Drilling to required depth including maintenance of drill hole in all types of strata (in all types of soils, soft rock/ murram), all depth to accommodate the pipeline at all conditions encountered during crossing and providing minimum cover specified in code / specification or as decided by concerned authority, whichever is more.

Backfilling of the ditch / trench including restoration and cleanup of area and all other works including cleaning, final hydrotesting, etc. alongwith mainline works (as mentioned in clause no. A00100 above) required as per specification, approved drawings, calculations, methods and to the satisfaction of EIC and / or as directed by concerned authority.

Note:

i)The length mentioned in SOR is indicative for all the crossing to be done by Moiling & locations shall be decided by GAIL / Consultant prior to start of job depending upon site-condition.



Vendor Code: 101071502
STRING AND WELD
PRIVATE LIMITED.

LOA No. : GAIL/BDA/128431/5300045630/CP/AK/25/W05
LOA Date : 20.08.2025

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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ii) Payment for the length of final tied in carrier pipeline string with mainline laid by Moiling are inclusive in this item rate. No any separate payment shall be made under other clauses mentioned elsewhere.

A00801	Laying of 4"Carrier pipe without casing	50	M	1,500.00	75,000.00	
A00802	Laying of 8"Carrier pipe without casing	50	M	2,100.00	105,000.00	
A00803	Laying of 12"Carrier pipe without casing	50	M	2,500.00	125,000.00	
A0900	DECOMM,HOOK UP & COMMISSION OF P/L					

Decommissioning, mobilization of applicable construction equipment and manpower resources, non-sparking tools and tackles, N2 purging, cold cutting, fabrication of spool piece, de magnetization if required, Hook Up, applicable NDT, commissioning, back filling and restoration along with associated jobs in all respects. All decommissioning, hook up, commissioning works and other associated works at a single site in a particular pipeline (e.g. upstream and downstream works of new pipeline) shall be considered as SINGLE QUANTITY for completion of jobs in all respect at that particular site of the subject pipeline.

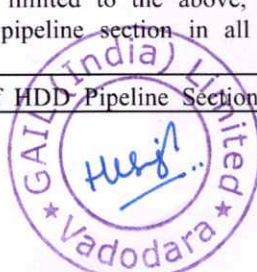
The scope of the job is not limited to the above, but inclusive of any other associated works required to be executed for completion of job in all respects for commissioning and restoration as per instruction of EIC including liasoning with farmers/concerned authority. All piping material required for execution of job will be given as FIM from Pipeline Store of GAIL. Payment provision for supply of bends/elbow are covered under SOR A00200 of the contract. Supply of N2 will be separately paid as per rates given in SOR No. B0010000 of the contract. All other material and consumables are in the scope of contractor. The scope of the job is not limited to the above, but inclusive of any other associated works required to be executed for completion of work in all respects as per instruction and satisfaction of EIC including liasoning with farmers/concerned authority. For further details, refer to Scope of Work under technical tender.

A0901	Decomm,Hook up & Commission of 4 IN P/L	6	EA	30,000.00	180,000.00	
A0902	Decomm,Hook up & Commission of 8 IN P/L	3	EA	29,661.01	88,983.03	
A0903	Decomm,Hook up & Commission of 12 IN P/L	3	EA	35,000.00	105,000.00	
A0904	Decomm,Hook up & Commission of 14 IN P/L	1	EA	35,000.00	35,000.00	
A0905	Decomm,Hook up & Commission of 16 IN P/L	3	EA	40,000.00	120,000.00	
A0906	Decomm,Hook up & Commission of 18 IN P/L	6	EA	45,000.00	270,000.00	
A01000	PRESERVATION OF HDD /PIPELINE SECTION					

In case, shutdown is not provided by GAIL/consumer due to unavoidable reason then preservation of newly fabricated pipeline section/HDD section with N2 is to be carried out by contractor as per instruction of Engineer In Charge (EIC). Supply and installation of End Cap and other required accessories and consumables as per size of the pipeline will be in scope of the contractor. Nitrogen will be injected into Pipeline/HDD Section using nitrogen as per instruction of EIC. However, cost of N2 supply will be separately paid as per actual and rates given in SOR No. B0010000 of the contract.

The scope of the job is not limited to the above, but inclusive of any other associated works required to be executed for preservation of pipeline section in all respects as per instruction of EIC including liasoning with concerned authority.

A01001	Preserve of HDD Pipeline Section 4IN	2	EA	15,000.00	30,000.00	
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STRING AND WELD
PRIVATE LIMITED.

LOA No. : GAIL/BDA/128431/5300045630/CP/AK/25/W05
LOA Date : 20.08.2025

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A01002	Preserve of HDD Pipeline Section 8IN	2	EA	15,000.00	30,000.00	
A01003	Preserve of HDD Pipeline Section 12IN	2	EA	25,000.00	50,000.00	
A01004	Preserve of HDD Pipeline Section 14IN	2	EA	25,000.00	50,000.00	
A01005	Preserve of HDD Pipeline Section 16IN	2	EA	35,000.00	70,000.00	
A01006	Preserve of HDD Pipeline Section 18IN	2	EA	35,000.00	70,000.00	
A01100	SURVEY AND OBSTACLE CROSSING PERMISSION					

For Survey and obstacle crossing permission, work is to be executed by engaging a reputed survey agency. List of notified parties are given in tender document.

A01111	DETAILED ENGINEERING SURVEY (UP TO 10KM)	5.000	KM	25,000.00	125,000.00	
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Carrying out detailed engineering survey of final route of pipeline including setting of Ground Control Points using DGPS at an interval of 3-4 km on permanent structures en-route by providing all manpower, tools, tackles, materials, equipment and other support / facilities necessary for the work. The work shall also include:

(a) GPS based Population Density Survey which includes recording coordinates of dwelling units within corridor of 200m on either side of the proposed RoU boundary and converting the data in shape file (.shp file)& submission of complete report as detailed in tender,

(b) Providing & fixing pre-cast RCC of size 200 x 150 x 800 mm for IPs,TPs & at either sides of major crossings. IPs are to be fixed at intervals of 250 Mts approx. along the centre line of pipeline route,

(c) Submission of Route map, Alignment Sheets, Cross sectional drawings of crossings ; en-route for entire length

(d) Submission of Survey report, other drawings / Documents/ Details etc. in hard as well as soft copies in 04 sets. The work shall be carried out as per Technical specifications, Scope of work and as per directions of Engineer-In-Charge.

A01120	SOIL INVESTIGATION SURVEY	5.000	KM	15,000.00	75,000.00	
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Carrying out soil investigation work along the pipeline route as per specification by providing all manpower, tools, tackles, materials, equipment and other support/ facilities necessary for the work. The work shall include boring of minimum 150mm dia bore hole from Natural Ground Level up to 3m depth @ 250mts centre to centre and up to 5mts depth at major crossings for visual classifications, which has to be done in reputed laboratory. The work shall be carried out as per Technical specifications, Scope of work and as per directions of Engineer-In-Charge.

A01140	CADAstral SURVEY	5.000	KM	21,500.00	107,500.00	
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Carrying out Cadastral survey for RoU acquisition involving Collection of (a) Village Maps (Revenue Map), digitization of Village Map and transfer of alignment and RoU under acquisition in the maps, (b) Ownership details, (c) Field Measurement Book (FMB) (d) converting the details so collected into .shp files and submission to GAIL as specified in Scope of work/Technical Specifications by providing all man power, tools, tackles, materials, equipment and other support/ facilities necessary for the work and Submission of complete report drawing/documents in hard as well as soft copies in 03 sets. The work shall be carried out as per Technical specifications, Scope of work and as per directions of Engineer-In-Charge.

A01160	CROSSING PERMISSION (ROAD-NH/SH)					
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Obtaining Crossing Permissions /NOCs for Highways and Road Crossings:

A01161	NH PERMISSIONS	3	EA	35,000.00	105,000.00	
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National Highways (NH) - for laying of Gas Pipeline alongwith OFC (Optical Fiber Cable), across and parallel to National Highways (within RoW of NH).

A01162	SH & OTHER ROAD PERMISSIONS	3	EA	35,000.00	105,000.00	
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State Highways (SH), other PWD roads (ODR/MDR), Irrigation roads, roads under City Municipal Limit,



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LOA Date : 20.08.2025

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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rural roads etc. and laying Gas Pipeline parallel to and Within RoW of respective crossing.

A01170	CROSSING PERMISSION (WATER BODIES)					
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Obtaining crossing Permissions/NOCs for water bodies, Namely;

A01171	RIVER CROSSING PERMISSION	2	EA	35,000.00	70,000.00	
A01172	CANAL, MINOR AND OTHER WATER BODY CROSSIN	3	EA	35,000.00	105,000.00	

Canals, Minors, Other water bodies like Distributaries / Escape / Nallas / Drains / Creek etc. - for laying of Gas Pipeline alongwith OFC, across and parallel to water bodies (within RoW of respective water Body).

A01180	PERMISSION Foreign p/l of other authorit	3	EA	25,000.00	75,000.00	
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Obtaining Crossing Permission/NOC for laying gas pipeline along with OFC across foreign pipeline of other authorities.

A01181	RAILWAY PERMISSION	2	EA	25,000.00	50,000.00	
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Obtaining crossing permission/NOC for laying of Gas Pipeline alongwith OFC, across and parallel to Railway Track (within RoW of Railway Track) either in composite application/proposal or separately for laying of pipeline and OFC as the case may be, as desired by the concerned authorities.

A01190	FOREST PERMISSIONS					
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Obtaining Crossing Permission/NOC for laying gas pipeline along with OFC across Forest.

A01191	Protected/Reserved Forest	1	EA	45,000.00	45,000.00	
A01192	National Park/Sanctuary/Eco Sensitive Zo	1	EA	45,000.00	45,000.00	
A01193	Social Forest	1	EA	45,000.00	45,000.00	
A01194	LOWERING OF INSERVICE PIPELINE					

LOWERING OF INSERVICE PIPELINE

PIPELINE RELOWERING : Re Lowering of coated inservice pipeline as per methodology, drawings, calculation and provisions of Contract and instructions of Engineer-in-Charge. Trenching to all depths and to a width, including manual ecavation of trench as specified and wherever required, to accommodate the pipeline and/or optical fiber cable/cable conduit as specified in scope document and as per the relevant standards, specifications, etc. by excavation in all types of soils (including soft/hard rock), including manual excavation, chiseling or otherwise cutting etc.; providing trench padding as required with sand/ graded yearth approved by Engineer- in Charge; Carrying out repairs of coating defects. Lowering the pipelines in trench, providing required padding over and around the pipeline with sand/graded material approved by Engineer-In-Charge, backfilling with available, approved excavated material and/or other suitable soil approved by Engineer-In-Charge. Carrying out all temporary, ancillary, auxiliary works and all incidental works required to make the pipeline ready; Repair of defects of coating as applicable, Final clean-up and restoration of right of way/right of use including obtaining NOC from respective statutory authorities as required and disposal of debris as directed by Engineer-In-Charge; Restoration of land, facilities and boundary wall etc. at associated facilities dismantled/damaged by the Contractor during construction; Obtaining work permits/ NOC from various statutory authorities having jurisdiction, before execution of the work, and complying with all stipulation/conditions/recommendation of the said authorities;

A01195	RE-LOWERING P/L LENGTH (DIA 4IN TO 8IN)	200	M	750.00	150,000.00	
A01196	RE-LOWERING P/L LEN. (DIA 10 IN TO 14IN)	500	M	1,150.00	575,000.00	



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LOA Date : 20.08.2025

Item : 1 - MAIN LINE WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A01197	RE-LOWERING P/L LEN (DIA 16 IN TO 18IN)	50	M	1,650.00	82,500.00	

Work Order Item 00001 Basic Item Value : INR 33,568,983.03
(RUPEE THIRTY-THREE MILLION FIVE HUNDRED SIXTY-EIGHT THOUSAND NINE HUNDRED EIGHTY-THREE AND PAISE THREE ONLY)
Item Specific Conditions :
Total Tax = 6,042,416.94
18 % GST (SGST 9 % + CGST 9 %)- Cenvatable-(SX)
Total item value including taxes & duties : INR 39,611,399.97

Item : 2 - MECH PIPING & TERMINAL WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
B001000	PLANT PIPING (ABOVE GROUND)					

Complete Carbon Steel Piping Work with painting including all fittings, flanges and supply of all required gaskets, studs bolts & nuts, etc., as described below:

Transportation of all piping items from Contractor's storage point to work site complete work of fabrication, erection, painting, testing of pipes, flanges and fittings and making ready for further commissioning / start-up of carbon steel piping of all sizes and ratings including supply of all consumables, equipment, manpower and other resources and execution of, but not limited to, the following works in accordance with relevant specifications indicated in particular job specification & scope of work indicated in SCC, drawings, specification and instructions of EIC and as per all provisions of the Contract Document.

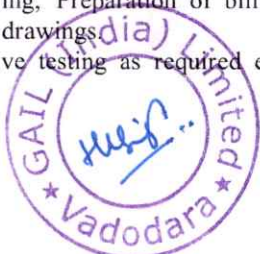
Fabrication including cutting, edge preparation, inclusive of grinding the edges of pipes, fittings, flanges, etc. to match with the matching edges of uneven / different thickness wherever required, welding, attachment of all pipe fittings like elbows, tees, reducers. Supply of nipples, couplings, caps, plugs, gasket, stud bolts, nuts, U-clamps, etc. as required for completion of job. All fittings installation shall be paid linyear meter basis under this item only.

Handling and installation of all types & size of valves including assembly of valve accessories/ Actuator, (if any) by bolting, threading or welding, supply and insertion of gaskets, nuts & bolts, nipples, tubing etc. at all elevations of pipe sleepers, supports or overhead on racks, equipments nozzle, skid & painting etc. supply of all consumables, manpower, equipment, etc. for completion of all works as per scope of work and as per drawings, specifications and instructions of EIC including servicing / cleaning of valve wherever required.

Installation of weldolets, sockolets, flanges, vent and drain point connection, etc., as required.

Erection including prior cleaning, lifting, placing on pipe sleepers and supports, overhead on racks, skids and at all elevations including installation, design & fabrication of all type of supports / jump-over and carrying out connected activities for all types of valves including supply & fixing of gaskets, studs / bolts, nuts wherever required for all sizes, leveling, aligning, joining of flanges, blind flanges, connecting with equipment, nozzles, strainers, tie-in with existing piping / facilities, etc. tapping for inline instruments like pressure gauges, thermowells, sample connection, etc.

Design and Residual Engineering, Preparation of bill of material(BOM), Preparation of Construction, Fabrication, GAD, isometric and As-built drawings.
Carrying out all Non-destructive testing as required except Radiography.



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Item : 2 - MECH PIPING & TERMINAL WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Surface preparation before application of primer by means of sand blasting including supply of approved quality of sand, manpower, machineries, tools & tackles to achieve required roughness as per specification and as per instruction of EIC.

Painting of entire system (including aboveground all pipes fittings, flanges & accessories) suitable for Normal corrosive area environment including supply of approved paints & primers, application of primer & paints, identification lettering / numbering, color-coding, etc. as specified including rub-down & touch-up of shop primer or scrapping of shop primer wherever required by Company and providing scaffolding for all heights, etc.

Cleaning and flushing by water / compressed air, testing of the systems including hydrostatic, pneumatic and any other types of testing as specified, draining, drying by compressed air / other methods approved by Company.

Pre-commissioning & making operational all piping system and equipments.

Commissioning Contractor scope shall provide all necessary assistance in term of supply of manpower, equipment, tools and tackles required amount of nitrogen for purging of entire terminal piping system including equipments etc. to the company during commissioning activities.

Completion of all such work in all respects as per scope of work and as per drawings, specifications and instructions of the COMPANY and keeping the system ready in all respects for further commissioning and start-up.

Note: For Hook-up works at tap-off point, Despatch & Receiving Terminal including making provision for hooking up and carrying out shutdown activities at terminals if necessary shall be paid as per SOR number B007010

B001010	More than 8IN upto 12IN Piping diff thic	1,000	ID	1,450.00	1,450,000.00	
B001020	More than 4IN upto 8IN Piping diff thick	1,000	ID	1,250.00	1,250,000.00	
B001030	4 IN & below NB Piping of diff thickness	500	ID	950.00	475,000.00	
B001100	INSTALLATION OF A/G FLNGE VALVES					

INSTALLATION OF ABOVE GROUND FLANGED VALVES (BALL / PLUG / CHECK / GATE / GLOBE) AS PER DETAILS GIVEN BELOW:

B001110	Size - 12.0 Inch, Rating - 150#/300#/600	2	EA	7,500.00	15,000.00	
B001120	Size - 8.0 Inch, Rating - 150#/300#/600#	2	EA	5,500.00	11,000.00	
B001130	Size - 6.0 Inch, Rating - 150#/300#/600	2	EA	4,500.00	9,000.00	
B001140	Size - 4.0 Inch, Rating - 150#/300#/600	10	EA	3,500.00	35,000.00	
B001150	Size - 2.0 Inch, Rating - 150#/300#/600#	20	EA	1,500.00	30,000.00	
B001160	Size - 1.1/2 Inch, Rating - 800#	20	EA	1,200.00	24,000.00	
B001170	Size - 1.0 Inch, Rating - 800#	20	EA	1,000.00	20,000.00	
B001180	Size - 3/4 Inch, Rating - 800#	20	EA	1,000.00	20,000.00	
B001200	INSTALLATION OF A/G BUTT WELD VALVES					

INSTALLATION OF ABOVE GROUND BUTT WELDED/SOCKET WELDED VALVES (BALL / PLUG / CHECK / GATE / GLOBE) AS PER DETAILS GIVEN BELOW:

B001210	Size - 12.0 Inch, Rating - 150#/300#/600	2	EA	12,000.00	24,000.00	
B001220	Size - 8.0 Inch, Rating - 150#/300#/600#	2	EA	8,500.00	17,000.00	
B001230	Size - 6.0 Inch, Rating - 150#/300#/600#	2	EA	7,500.00	15,000.00	
B001240	Size - 4.0 Inch, Rating - 150#/300#/600#	20	EA	4,500.00	90,000.00	
B001250	Size - 2.0 Inch, Rating - 150#/300#/600#	20	EA	2,500.00	50,000.00	



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PRIVATE LIMITED.

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Item : 2 - MECH PIPING & TERMINAL WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
B001260	Size - 1.1/2 Inch, Rating - 800#	15	EA	1,500.00	22,500.00	
B001270	Size - 1.0 Inch, Rating - 800#	15	EA	1,500.00	22,500.00	
B001280	Size - 3/4 Inch, Rating - 800#	20	EA	1,500.00	30,000.00	
B001300	INST OF A/G GAS ACTUATED VLV					
B001310	Size - 4 Inch	1	EA	8,000.00	8,000.00	
B001320	Size - 6 Inch	1	EA	12,000.00	12,000.00	
B001330	Size - 8 Inch	1	EA	15,000.00	15,000.00	
B001340	Size - 12 Inch	1	EA	18,000.00	18,000.00	
B004000	RADIOGRAPHY					

Performance of radiographic inspection by gamma radiation as per scope of work and as per specifications in piping of all types and thickness including providing / hiring of all necessary equipments, supply of all consumables, and whatever else even though not expressly mentioned but required to perform the work as per specifications and instructions of EIC (full circle re-radiography of the repaired joint and additional radiography necessitated due to poor performance of contractor's welder shall be carried out by the Contractor at his own cost and shall not be paid extra by Company). Radiographs shall be submitted to the EIC for acceptance whose decision shall be final and binding.

B004010	Radiography 2" NB	50	EA	750.00	37,500.00	
B004020	Radiography 4" NB	100	EA	950.00	95,000.00	
B004030	Radiography 6" NB	100	EA	1,250.00	125,000.00	
B004040	Radiography 8" NB	50	EA	1,650.00	82,500.00	
B004050	Radiography 12" NB	25	EA	2,450.00	61,250.00	
B005000	HANDLING, LIFTING, TRANSP (EQUIP/VESSEL)					

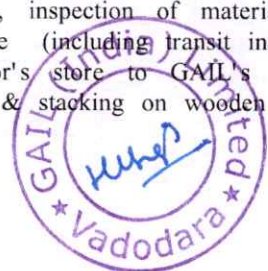
HANDLING, LIFTING, TRANSPORTATION (INSTALLATION) OF EQUIPMENTS / VESSELS.

Handling, including lifting, transportation from Company's stores to Contractor's workshop for fabrication or/and to worksite for field fabrication, assembly of parts / sub-assemblies erection for all vessels, equipments supplied by company aboveground / underground at all elevation / depth, fixing of foundation bolts welding wherever required, aligning, grouting, hooking-up, cleaning and flushing by water draining, drying by compressed air providing all mountings, ancilliary, enabling works as required and completing in all respect as per drawings, specification and instruction of EIC. Contractor's scope shall include supply of all material and accessories including but not limited to any fixtures, clamps, gasket, nut bolts, finish coat of painting including rub-down and touch-up of shop primer / paint scrapping of shop primer / paint and further their painting after application of primer as per specification, wherever required by Company.

B005010	HANDLING, LIFTING, TRANSP (EQUIP/VESSEL)	25	TON	14,500.00	362,500.00	YY
B006000	RECEIVING & TAKINGOVER,HANDLING, TRANS					

RECEIVING & TAKING OVER, HANDLING, TRANSPORTATION OF PIPES , FLANGES , FITTINGS , VALVES/ FILTERING/ METERING SKIDS/PRS /PIG TRAPS & OTHER EQUIPMENTS ETC (TERMINAL / MAINLINE MATERIAL / SURPLUS MATERIAL) - ANYWHERE IN INDIA

The Contractor shall receive and take over, Handling including lifting, Owner-supplied bare / 3 LPE Coated line pipe / Ball Valves ,Flanges , Fittings, filtering, metering, prs skid, pig traps and any other material from GAIL's designated store, inspection of material at dispatch point as well as destination point and its transportation to work-site (including transit insurance) / return of project surplus / sparable material from Project site / Contractor's store to GAIL's store / warehouse including loading on trucks / trailers, transportation, unloading & stacking on wooden sleepers at Contractor's own stock-yard nyear work-site(s) /



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Item : 2 - MECH PIPING & TERMINAL WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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GAIL store (as applicable), including arrangement of truck / trailers / cranes / other material / machinery / manpower / consumables.

Note: (1) Unit of measurement MT - Km is product of Weight (in MT) of Material to be transported & road distance (in Kilometers) between dispatch point & destination point. Accordingly, unit rate will be in Rs. / MT-Km;

(2) The quantities given in above item no. are tentative only and shall not be considered to be binding. The quantities may be increased, decreased or deleted as per the actual site requirement and instructions / recommendations of Owner. The unit rate shall be operated to work out the final payment to the Contractor;

(3) Above price shall be inclusive of all type of taxes & duties, transit insurance during transportation & other insurance, etc. including all financial & commercial implication as per the tender document. No other payment except as per quoted unit rate & executed quantities will be payable by the Owner.

(4). In SOR no. B006030 and B006040, maximum distance from one destination to another shall be 350KM

B006010	Transportation by Trailer up to 0-50k	20	EA	38,000.00	760,000.00	
B006020	Transportation by Truck up to 0-50 K	20	EA	32,000.00	640,000.00	
B006030	Trans by Trailer from 50 to 350 KM	20,000	TPK	42.00	840,000.00	
B006040	Trans by Truck from 50 to 350 KM	20,000	TPK	38.00	760,000.00	
B007000	HOOK-UP WORKS AT TAP-OFF, DESPATCH, RECE					

Hook-up works at tap-off point, Despatch and Receiving Terminal including making provision for hooking up and carrying out shutdown activities at terminals if necessary (Above Ground)

Carbon Steel Piping Work with painting

Transportation of all piping items from Contractor's storage point to work site complete work of fabrication, erection, painting, testing and making ready for further commissioning / start-up of carbon steel piping of all sizes and ratings including supply of all consumables, equipment, manpower and other resources and execution of, but not limited to, the following works in accordance with relevant specifications indicated in particular job specification & scope of work indicated in SCC, drawings, specification and instructions of EIC and as per all provisions of the Contract Document.

Fabrication including cutting, edge preparation, inclusive of grinding the edges of pipes, fittings, etc. to match with the matching edges of uneven / different thickness wherever required, welding, attachment of all pipe fittings including supply of all consumables required for completion of job.

Supply of all manpower, equipment, etc. for completion of all works as per scope of work and as per drawings, specifications and instructions of EIC wherever required. Preparation of Construction, Fabrication, isometric and As-built drawings. Carrying out Non-destructive testing as required except Radiography.

Surface preparation before application of primer by means of sand blasting including supply of approved quality of sand, manpower, machineries, tools & tackles to achieve required roughness as per specification and as per instruction of EIC.

Testing/ drying/cleaning/Golden Tie -In with existing Pipeline

Precommissioning & making operational all piping system and equipments.

Completion of all such work in all respects as per scope of work and as per drawings, specifications and instructions of the COMPANY and keeping the system ready in all respects for further commissioning and start-up.

B007010	Piping different grades & thickness	500	ID	1,650.00	825,000.00	
B008100	DISMANTLING AND CLEARING OF FILTERING					
B008110	Dismantling and Clearing of old skid	10	TON	16,500.00	165,000.00	

Dismantling and Clearing of old (presently installed) Skid / Scraper Traps and or other Equipments, as per instruction of EIC.



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Item : 2 - MECH PIPING & TERMINAL WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Contractor scope also include to provide necessary manpower, equipments & machinery for the above work.

B009000	PIPE SUPPORTS					
Supply, fabrication and erection of pipe/ equipment supports (for all sizes/ thickness) including shoes, pipes, cross-overs, platforms, ladders, railings etc. as required, cradles, turn buckles, T-posts for all types of guides, anchors, special supports for cold/hot insulated pipes etc. if applicable, all necessary equipment, consumables, labour etc. for completing all works including supply of bolts, nuts, washers, U-clamps, wooden blocks etc. as required for supporting, supply and application of paints and primers suitable for normal corrosive painting environment as defined in contract document and as per standard specification for painting specification, Drawings, Specification, Standards, other provisions of Contract and instruction of Engineer-in-Charge.						
B009010	Pipe support by CS Structural Steel	5	TON	115,000.00	575,000.00	
B0010000	NITROGEN SUPPLY					

Supply of Nitrogen for preservation of Pipeline/ purging of pipeline / hookup & shut down activities . This item may be used for pigging operation with nitrogen. Type of nitrogen may be in liquid form with suitable capacity of vaporiser (Min. 2000 m3/hr or cylinder type as applicable.

B0010010	Supply of nitrogen	60,000.000	M3	75.00	4,500,000.00	
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Note: (1) The quantities given above against individual items are indicative and shall not be considered to be binding. The quantities may be increased, decreased or deleted at site at the time of actual execution. Procurement shall be done as per actual site condition, approved construction drawings and as per instruction of EIC. The unit rate shall be operated to work out the final payment to the Contractor; a

(2) Quantities given against individual item may be utilized / used for other consumers in same area.

B0011000	INSTALLATION OF EQUIPMENT	2	TON	16,500.00	33,000.00	
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Installation of above ground owner supplied equipment at work site up to mechanical completion in all respect, inclusive of painting suitable for Normal Corrosive Environment at all elevation , fixing of foundation bolts, welding wherever required, aligning, grouting, hooking-up, enabling works as required and completing in all respect as per drawings, specification and instruction of EIC.

Work Order Item 00002

Basic Item Value : INR 13,524,750.00

(RUPEE THIRTEEN MILLION FIVE HUNDRED TWENTY-FOUR THOUSAND SEVEN HUNDRED FIFTY ONLY)

Total Tax = 2,434,455.00

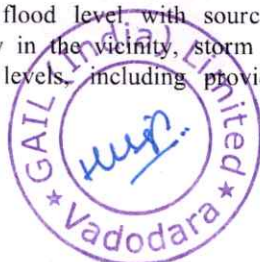
18 % GST (SGST 9 % + CGST 9 %)- Cenvatable-(SX)

Total item value including taxes & duties : INR 15,959,205.00

Item : 3 - CIVIL WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
CV001.00.00	SURVEY WORKS					
CV001.01.00	Topographical ground/land survey	1,200	M2	45.00	54,000.00	

Conducting topographical ground/land survey in the specified area as shown in the tender drawings by conventional/GPS or any other standard method, covering details of physical features like Rivers, Nallahs, Lakes, Ponds, wells, pits, Forest, Trees, Roads, culverts, transmission lines, telegraph/ telephone and electric poles, underground or any other services, cross drainage works including cross sectional details of nallah etc. including establishing high flood level with source of information, identification of any monument, historical structure, wild life sanctuary in the vicinity, storm water disposal point with levels, cross-section details of nallah, recording spot levels, including providing in tabulation girth wise no. of trees etc as specified,



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S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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plotting and developing topographical contour maps, showing true north including establishing survey reference stations, key plan etc. including all equipment's, instruments, personnel's, clearing of bushes as per requirement for intervisibility to carry out survey work etc. , complete work in all respects as per drawings, specifications and directions of Engineer-in-Charge including submitting hard copies of drawings/map and supply of electronic files.

Note: Survey work shall be carried out by survey agency approved by Contractor and shall be submitted to PMC/EIC for review.

CV002.00.00	GEOTECHNICAL INVESTIGATION					
CV002.01.00	SOIL INVEST WITH BORING OF MIN.150MM DI	4	EA	21,500.00	86,000.00	

Conducting soil investigation with boring of minimum 150mm dia. boreholes of minimum 10m depth including all field tests and laboratory tests, mobilization and demobilization of equipments & personnel etc. for soil investigation for each borehole location . complete work in all respects as per drawings, specifications and directions of Engineer-in-Charge including submitting hard copies of Reports & recommendations and supply of electronic files.

CV003.00.00	RCC HUME PIPE CULVERT					
CV003.01.00	LAY,JOIN,TEST RCC PIPES 300MM&NP3 CULVER	10	M	1,200.00	12,000.00	

Providing, laying, jointing and testing RCC hume pipes of 300mm dia. and np3 class for culverts, road crossing, incl. excavation in all strata up to an average depth of 1 m cutting, collars jointing in 1:2 cement mortar etc. complete as per specifications and as directed by the engineer-in charge.

CV003.02.00	LAY,JOIN,TEST RCC PIPES 500MM&NP3 CULVER	10	M	1,850.00	18,500.00	YY
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Providing, laying, jointing and testing RCC hume pipes of 500mm dia. and np3 class for culverts, road crossing, incl. excavation in all strata up to an average depth of 1 m cutting, collars jointing in 1:2 cement mortar etc. complete as per specifications and as directed by the engineer-in charge.

CV004.00.00	SAND FILLING					
CV004.01.00	Supplying and filling approved SAND	200.000	M3	1,450.00	290,000.00	

Supplying and filling approved SAND of specified quality under floors, in foundations, plinths, tank foundations etc. for all depths and heights including cost of sand,royalties, transportation to site for all leads and lifts,including loading, unloading, spreading in layers of loose thickness not exceeding 150 mm,watering,ramming,compacting with mechanical compactors and/or other equipment to the specified levels to achieve 85% relative density as per IS:2720 Part XIV,including preparation of subgrade to the required slope,providing testing apparatus and testing the degree of consolidation all complete as per drawings, specifications and direction of Engineer-in-charge.The rates shall be inclusive of the cost of all labour,material,equipments etc. all complete .

CV005.00.00	DEMOLITION OF R.C.C./BRICKS/STONE MASONR					
CV005.01.00	SITE CLEAR &DEMOLITION OF RCC	20.000	M3	1,750.00	35,000.00	

Site clearance by demolition of R.C.C./Brickwork/Stone Masonry/Stone Soling, Flexible pavements etc. along with removing the debris and disposal of unserviceable material to any lead and staking of serviceable materials, handing over serviceable material to concerned department if required as per technical specifications and direction of Engineer-in-charge.

Note:

1. Rate includes cost of all labour, tools, tackles, hire charges, royalties, levies, leads, loading/unloading, transportation, water, electric power, illumination etc. complete in all respects as per scope of work, detailed



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S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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construction drawings, technical specifications and direction of Engineer-in-charge.

2. Demolition of RCC/PCC/Brick Masonry/Road will be paid in NET CUM as demolished.

CV006.00.00	EARTH WORK IN FOUNDATION					
CV006.01.00	EARTH WORK EXCA BG LEVEL DEPTH UPTO 1.5M	100.000	M3	450.00	45,000.00	

Earth work in Excavation below ground level for all kinds of works in ALL TYPES OF SOIL 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.

CV006.02.00	DEPTH BEYOND 1.5M& UPTO 3.0M(INCLU)	50.000	M3	650.00	32,500.00	
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For depth beyond 1.5m and upto & inclusive of 3.0m.

CV006.03.00	BACKFILLING AFTER EXECUTION OF THE WORK	100.000	M3	180.00	18,000.00	
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Backfilling after execution of the WORK to proper grade and level with selected materials from available excavated soil from spoil heaps, 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.

CV006.04.00	EARTHWORK IN FILLING INCLUDING SUPPLY	50.000	M3	1,250.00	62,500.00	YY
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EARTH WORK IN FILLING including supply by excavating the yearth from BORROW AREAS arranged by CONTRACTOR for all leads, transporting the yearth from borrow area including cleaning & stripping the yearth at borrow areas, breaking clods, loading, unloading and 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% of the maximum laboratory dry density, dressing, trimming, levelling the top surface etc. in foundations, plinths, trenches etc. all complete.

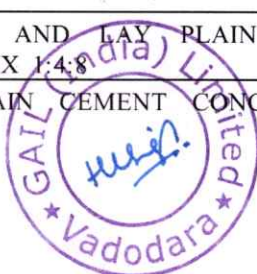
CV006.05.00	TRANSPORTING AND DISPOSING THE SURPLUS E	100.000	M3	250.00	25,000.00	
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Transporting and disposing the SURPLUS EARTH AND DEBRIS including shrubs and vegetations from construction area beyond the initial lead of 100M including re-excavating 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 yearth is transported and where it is deposited) to required levels and slopes complete with all lifts as directed. For carting on the basis of truck measurements (volume of truck reduced by 30% for voids)

i) Upto 1.0Km.

CV007.00.00	PLAIN & REINFORCED CEMENT CONCRETE					
CV007.01.00	PRO AND LAY PLAIN CEMNT CONCRE MIX 1:4:8	20.000	M3	5,500.00	110,000.00	

Providing and laying PLAIN CEMENT CONCRETE for all depths below and upto plinth level in



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foundations, drains, fillings, non-suspended floors, pavements & ramps or any other works etc. including shuttering, tamping, ramming, vibrating, curing, shuttering 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 of nominal mix 1:4:8 by volume (1 Cement: 4 Coarse Sand: 8 Crushed Stone Aggregates/Gravels with 40mm and down size graded crushed stone aggregates).

CV007.02.00	CONCRETE OF NOMINAL MIX 1:5:10 BY VOLUME	10.000	M3	4,800.00	48,000.00	
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Concrete of nominal mix of 1:5:10 by volume (1 Cement :5 Coarse Sand : 10 Crushed Stone Aggregates/Gravels).

CV007.03.00	PRO&LAYPLAIN CMNT CONCRET ALL DEP GR.M20	30.000	M3	7,500.00	225,000.00	
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Providing and laying PLAIN CEMENT CONCRETE 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.

CV007.04.00	PRO&LAYRCC M-25 20MM SUB STRUCTURE	50.000	M3	8,000.00	400,000.00	
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Providing and laying REINFORCED CEMENT CONCRETE OF M-25 GRADE with 20mm and down size graded crushed stone aggregates/gravel in SUB-STRUCTURE of all types e.g. foundations, footings, raft, beams, slabs, pile caps, retaining walls, jambs, counterforts, buttresses, trenches, manholes, pipe encasement, catchpits, drains, RCC pits, equipment/machine foundations, pedestals, pipe sleepers, columns, plinth beams, suspended floors, beams, staircases, landings, steps, brackets etc. (including single pour concreting upto 250m3), including cost of admixtures if used, providing pockets, openings, recesses, chamfering etc., wherever required, vibrating, tamping, curing and rendering if required to give a smooth and even surface etc. all complete (excluding the Cost of Reinforcement and Shuttering) for all depths below and upto plinth level in any shape, position and thickness etc. all complete as specified, shown and directed.

CV007.05.00	PRO&LAYRCC M-25 20MM SUPER STRUCTURE	30.000	M3	8,000.00	240,000.00	
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Providing and laying REINFORCED CEMENT CONCRETE OF M-25 GRADE with 20mm and down size graded crushed stone aggregates/gravel in SUPER STRUCTURE in suspended floors, slabs, beams, columns, walls including counterforts, staircases, landings, steps, facias, fins, mouldings, gutters, shelves, windowsills, canopies, lintels, girders, ducts, brackets, chajjas with drip moulds, pedestals, posts, struts, equipment/machine foundations, ramps etc. (including single pour concreting upto 250m3) including cost of admixtures if used providing pockets, openings, recesses, chamfering wherever required, vibrating, tamping, curing and rendering if required to give a smooth and even surface etc. all complete (excluding the Cost of Reinforcement and Shuttering) for all heights above plinth level in any shape, position, thickness etc. all complete as specified, shown and directed.

CV007.06.00	MFG,SUP,EREC OF RCC PRECAST ELEMENTS	15.000	M3	8,000.00	120,000.00	
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Manufacturing, transporting, supplying and erecting in position Reinforced Cement Concrete PRECAST ELEMENTS such as columns, beams, cover slabs, lintels, louvers, fins, shelves etc. of M-25 grade with 20mm and down size graded crushed stone aggregates/gravel, for all leads, levels, shapes and thickness including all moulds, shuttering and centering, vibrating, tamping, curing, chamfering wherever required, finishing the top surface with cement mortar (1 Cement : 3 Sand) to give a smooth and even surface, or non skid finish as



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specified, providing lifting hooks, metal inserts, making holes pockets, (only M.S. inserts to be measured & paid separately) transporting to site, erecting, levelling, aligning and fixing in position with cement mortar 1:3 (1Cement : 3 Coarse Sand), breaking bricks and/or concrete surfaces and making good the same etc. all complete (excluding the Cost of Reinforcement) and as directed.

1) Each unit upto and inclusive of 500 Kg.

CV007.07.00	COMPRESSION TEST : IS 2911(PART IV)	1	EA	17,500.00	17,500.00	
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Compression Test: Routine Vertical Load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform & preparation of pile head or construction of test cap & dismantling of test cap after test etc. including supply all all materials, tools & tackles to carry out the test complete as per specification and direction of Engineer in charge

CV007.08.00	SHEAR STRESS : IS 2911 (PART IV)	1	EA	17,500.00	17,500.00	YY
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Shear Test: Routine Lateral Load testing of single piles in accordance with IS 2911 (Part IV) for determining safe allowable lateral load on pile etc. including supply all all materials, tools & takles to carryout the test complete as per specification and direction of Engineer in charge

CV008.00.00	CENTERING AND SHUTTERING					
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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. 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.

CV008.01.00	For all depths below and upto & inclusi	100	M2	450.00	45,000.00	
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For all depths below and upto & inclusive of plinth level.

CV008.02.00	For all heights above plinth level.	100	M2	450.00	45,000.00	
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CV009.00.00	REINFORCEMENT					
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CV009.01.00	SUP&PLAC HS DEFOR STEEL BARS REINFOR	2	TON	135,000.00	270,000.00	YY
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Supplying and placing in position HIGH STRENGTH DEFORMED STEEL BARS REINFORCEMENT (conforming to IS:1786, Grade Fe 415), for R.C.C. work including transporting the Steel, straightening, cleaning, decoiling, cutting, bending to required shapes and lengths as per details, binding with contractor's own 16 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.

CV010.00.00	STRUCTURAL STEEL WORKS					
CV010.01.00	SUP&TRANS,FAB,TEST STRUCTURE STEEL	3	TON	115,000.00	345,000.00	

Supplying, transporting, storing, fabricating in position and testing/examining bolted and/or welded STRUCTURAL STEEL WORKS at all levels and locations including all buildup sections/compound sections made out of rolled sections and/or plates/bent plates in trusses, purlins, wind ties, wind girders, columns, portals, racks, frameworks, crane gantries, surge girders, bracings, floor beams, lifting beams, monorails, platforms, staircases (excluding chequered plates and gratings), ladders, stoppers, brackets, side runners, sagrods, supports for equipment and technological accesories and process piping, hand railings, posts, conveyor galleries,



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Item : 3 - CIVIL WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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trestles, towers, masts, junction houses 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), 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 and applying primer after fabrication as per specification (for normal corrosive environment), etc. all complete

CV011.00.00	MISCELLANEOUS STEEL WORKS					
CV011.01.00	SUP,FAB,FIX THREAD ANCHOR BOLTS&ACCOS	0.250	TON	135,000.00	33,750.00	

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.

CV011.02.00	SUP,FAB,FIX M.S METAL INSERT(WITH LUGS)	0.250	TON	135,000.00	33,750.00	
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Supplying, transporting, storing, fabricating and fixing in position M.S. METAL INSERT (with lugs) of any shape made out of flats, plates, rolled sections, pipes etc. providing necessary templates, staging, cutting, straightening, if required, bolting, welding as required and embedding in position on both Plain and Reinforced Cement concrete members inclusive of adjusting shuttering & reinforcement/any other fixture, welding where necessary, tying and holding to correct level, line and position, any auxilliary dummy structures to support the heavy inserts, painting exposed surfaces with a coat of Red Oxide Zinc Chromate Primer etc. all complete for all depths and heights as specified and directed.

CV011.03.00	SUP,FAB& EREC AT ALL LEVEL	1	TON	165,000.00	165,000.00	
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Supplying, fabricating and erecting in position at all levels and locations bolted, clamped and/or welded GRATING (fabricated as per standards) made out of M.S. flats/M.S. flats with M.S. rounds in walkways, platforms, stair treads etc. including cutting to required size, shape, making holes, notches, openings of required size, nosing, straightening if required, making the edges smooth, removing the burrs, fabricating clamps, fixing, welding, preparation and submission of fabrication drawings and preparing the surfaces for painting, surface cleaning, wire brushing, removal of mill scale, dust, rust, oil or grease and applying one shop coat of Red Oxide Zinc Chromate Primer after fabrication etc. all complete as specified and directed.

CV011.04.00	SUP,FAB& EREC AT ALL LEVEL	0.250	TON	165,000.00	41,250.00	
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Supplying, fabricating and erecting in position at all levels and locations bolted, clamped and/or welded GRATING (fabricated as per standards) made out of M.S. flats/M.S. flats with M.S. rounds in walkways, platforms, stair treads etc. including cutting to required size, shape, making holes, notches, openings of required size, nosing, straightening if required, making the edges smooth, removing the burrs, fabricating clamps, fixing, welding, preparation and submission of fabrication drawings and preparing the surfaces for painting, surface cleaning, wire brushing, removal of mill scale, dust, rust, oil or grease and applying one shop coat of Red Oxide Zinc Chromate Primer after fabrication etc. all complete as specified and directed.

Work Order Item 00003 Basic Item Value : INR 2,835,250.00
(RUPEE TWO MILLION EIGHT HUNDRED THIRTY-FIVE THOUSAND TWO HUNDRED FIFTY ONLY)
Total Tax = 510,345.00



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18 % GST (SGST 9 % + CGST 9 %)- Cenvatable-(SX)
Total item value including taxes & duties : INR 3,345,595.00

Item : 4 - TEMPORARY CATHODIC PROTECTION WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
D00100	SITC WORKS FOR TCP SYSTEM					

All works shall be carried out as per approved drawings and specifications. Work shall include design / residual engineering, preparation of temporary CP schematic drawing, supply, installation, testing and commissioning of temporary CP system, all related civil work, including providing foundations, supply of all materials as specified in SCC, instruments, consumables, touch-up epoxy paint as required, including supply of paint, tools, tackles, labor, transportation for satisfactory completion of work and as per directions of EIC. In addition to the items mentioned below the Contractor's scope shall include connecting the new pipelines to existing pipelines/cathode-points of TR units by means of jumpering/bonding.

D00101	SURVEY,ENGL,SUP,LAY,INST&OTHER ASSO WORK	5.000	KM	14,500.00	72,500.00	
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Complete Detailed Survey, Engineering, Supply, laying, installation, termination, testing & commissioning of Cathodic Protection system complete Civil Works and all material and labour as per specifications, drawings and instruction of EIC. Work to be completed in all respects.

D00110	SUPP.,LAY, OF CU CABLES.					
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Supply, laying & testing of 600 / 1100V grade single core, stranded tinned copper conductor cables, XLPE insulated / PVC sheathed, armoured as per IS of following sizes. The work shall include excavation for cable trenching at min. 1.2 m below GL in all types of soil including rock, backfilling of cable in trenches, lugging, ferrulling, making termination as per drawings & specification. Supply of all tools, tackles, consumables, etc. for completion of work, in all respect and as per directions of EIC.

D00111	35 MM2	100	M	450.00	45,000.00	
D00112	25 MM2	100	M	350.00	35,000.00	
D00113	10 MM2	100	M	250.00	25,000.00	
D00114	6 MM2	100	M	180.00	18,000.00	
D00120	CABLE TO PIPE CONN. BY THERMIT WELDING					

Making cable to pipe connections by thermit welding for following cables, including excavation for exposing pipe, removal of coating / wrapping, thermit welding recoating of the area of weld by epoxy filling, holiday testing, backfilling, supply of all tool, tackles, consumables thermit weld kits & labour for satisfactory completion of work.

D00121	6 MM2 CABLES	80	EA	2,500.00	200,000.00	
D00122	10 MM2 CABLES	80	EA	2,500.00	200,000.00	
D00123	25 MM2 CABLES	80	EA	2,500.00	200,000.00	
D00124	35 MM2 CABLES	50	EA	2,500.00	125,000.00	
D00130	SUP& INSTA TEST STATN.AS DRA & TECH SPEC	5	EA	21,500.00	107,500.00	

Supply & installation of test station as per enclosed drawings and technical specifications. Work shall include all related civil works including foundation, termination of cables inside the test stations along with lugs & ferules sealing of cable entry space with bitumen compound supply of all materials, consumables, tools, tackles, etc. for satisfactory completion of work and as per directions of EIC.

D00140	SUP&INST ZN ANODE 1.5-2.0M,650/1100V,XLP	2	EA	18,000.00	36,000.00	
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LOA No. : GAIL/BDA/128431/5300045630/CP/AK/25/W05
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Item : 4 - TEMPORARY CATHODIC PROTECTION WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Supply & installation of Zn anode at a depth of 1.5 - 2.0m on all type of soil including rock alongwith 10m tail cable of 25mm² high conductivity, tinned, stranded copper conductor, 650 / 1100V grade, XLPE insulated, armoured, PVC sheathed for grounding electrical surges in the pipeline at HT crossings. The work includes excavation, laying of Zn anode of minimum 20 Kg weight, backfilling & all related civil work, complete in all respects. The work shall also include anode to tail cable connection, cable laying and termination inside the test station.

D00150	SUP,INST,TEST&COMMI SURGE DIVERTER	2	EA	17,500.00	35,000.00	
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Supply, installation, testing and commissioning of surge diverter inside the manual test stations at terminal locations, complete in all respects as per the specifications and directions of EIC.

D00160	SUP&INST MG ANO PRE-PACKWITH CHM BACKFI	2	EA	14,500.00	29,000.00	
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Supply & installation of Mg anodes after pre-packaged with chemical backfill as per enclosed drawing. The anodes will have to be buried at a depth of 1.5 to 2m on all types of soil including rock at approved location. The work shall include all yearth work, laying of anodes & cables in position and termination of cable inside test stations with lugs, shunt & variable resistors, supply of all tools, tackles, consumables, labour transportation of materials, etc. required for satisfactory completion of work and directions of EIC.

D00170	SUP&INST,TEST&COM.SPARK-GAP AREST IN IJ	2	EA	24,500.00	49,000.00	
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Supply, installation, testing and commissioning of spark-gap arrestors across insulating joints.

D00180	SITC OF POLARISATION CELL	1	EA	85,000.00	85,000.00	
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Supply, installation, testing and commissioning of Electrolytic Polarization cell (as per approved design)

190	NOTE					
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Note: (1) The quantities given above against individual items are indicative and shall not be considered to be binding. The quantities may be increased, decreased or deleted at site at the time of actual execution. Procurement shall be done as per actual site condition, approved construction drawings and as per instruction of EIC. The unit rate shall be operated to work out the final payment to the contractor;

(2) In each area, quantities given against individual item may be utilised / used for other consumers in same area.

Work Order Item 00004
(RUPEES TWELVE LAC SIXTY-TWO THOUSAND ONLY)
Total Tax = 227,160.00
18 % GST (SGST 9 % + CGST 9 %)- Cenvatable-(SX)
Total item value including taxes & duties : INR 1,489,160.00

Basic Item Value : INR 1,262,000.00

Item : 5 - TELECOM WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
G00100	SYS,DESIGN,INSP&FACT					



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Item : 5 - TELECOM WORKS
Plant : 3110 - NG Tr- S Guj Baroda(Guj NH)- Gujarat (GJ)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
	TEST,FAT&SUP,COMMIS					

System design, Inspection & factory testing, FAT, SAT, training, installation, commissioning, Trial run, pre-factory tests, packing, forwarding and supply of all goods including commissioning spares & documentation, pre-commissioning activity for telecom

G00110	SUP 24 FIB ARMOURE OFC(6,G-655&18,G-652)	5,000	M	165.00	825,000.00	
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Supply of 24 Fibre Composite armoured Optical Fibre Cable drum (6 fibre G-655 & 18 fibre G-652) of 4 km +/-5% Cable drum length.

G00120	SUP, JOINTING CLOSURE 24 FIBER 2 WAY&ACC	8	EA	9,500.00	76,000.00	
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Supply of jointing closure 24 Fiber, 2 way including all accessories (3M, Siemens, Raychem make only)

G00130	SUPPLY OF HDPE 40MM OD PIPE.	5,000	M	85.00	425,000.00	
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Supply of 40mm OD permanently lubricated HDPE telecom duct as per technical specifications including manufacturing, factory testing, inspection, packaging, forwarding, transportation, insurance, receipt and storage at site.

G00200	TELECOMMUNICATION SITE WORK					
G00210	LAYING OF 40MM HDPE TELECOM DUCT.	5,000	M	45.00	225,000.00	

Laying of HDPE Telecom Duct: Laying of 40mm HDPE Ducts in same pipeline trench direct buried or cased crossing through CS / HDPE conduit in all type of soil & terrain, excavated as required, padding, backfilling, etc. including supply of HDPE Duct accessories required including plastic couplers, end plugs, cable sealing plugs, end caps, etc. suitable & sufficient for above supplied ducts, cleaning and sealing of ducts at the end laid drum lengths, preparation and supply of cable blowing pit at each Km jointing of HDPE conduit, testing OD HDPE Duct and accessories after laying preparation of report and final drawing and documents as per specification, joint location marking, erection accessories, as-built, etc.

G00220	BLOWING OF OFC INSIDE HDPE DUCT	5,000	M	45.00	225,000.00	
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Blowing of Optical Fibre Cable inside HDPE Duct: All activities pertaining to Blowing of Optical Fibre Cable in same pipeline trench directly (after testing drum at site), through CS / HDPE conduits along the pipeline also at crossing cable, sealing using all materials required, including laying of warning mats, etc. as per direction of EIC

G00240	SPLICING, JOINTING OF OFC(SUP,INST)	4	EA	9,500.00	38,000.00	YY
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Splicing, Jointing of Optical Fiber Cable (Including Supply and Installation of jointing pits including sand, etc. & joint markers)

Work Order Item 00005 Basic Item Value : INR 1,814,000.00
(RUPEE ONE MILLION EIGHT HUNDRED FOURTEEN THOUSAND ONLY)
Total Tax = 326,520.00
18 % GST (SGST 9 % + CGST 9 %)- Cenvatable-(SX)
Total item value including taxes & duties : INR 2,140,520.00



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LOA No. : GAIL/BDA/128431/5300045630/CP/AK/25/W05
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Total estimated contract value excluding all tax and duties : 53,004,983.03
(RUPEES FIVE CRORE THIRTY LAC FOUR THOUSAND NINE HUNDRED EIGHTY-THREE & PAISE THREE ONLY)

Total estimated contract value including all tax and duties : 62,545,879.97
(RUPEES SIX CRORE TWENTY-FIVE LAC FORTY-FIVE THOUSAND EIGHT HUNDRED SEVENTY-NINE & PAISE NINETY-SEVEN ONLY)

*Service items marked YY under AHR column are AHR items. Any service item marked #Y or Y# confirmation is required from authorized dealing officer who shall be final authority regarding AHR declaration. However, service items marked #Y or Y# shall be treated as AHR unless confirmed Non-AHR by dealing officer.

