



मेकॉन लिमिटेड (भारत सरकार का संस्थान)

MECON LIMITED (A GOVT. OF INDIA ENTERPRISES)



13वां एवं 15वां तल, नार्थ टॉवर, स्कोप मीनार, लक्ष्मी नगर व्यवसायिक केन्द्र, दिल्ली-110092, (भारत)

13th & 15th Floor, North Tower, Scope Minar, Laxmi Nagar District Center, Delhi-110092, (India)

फोन / Phone : +91-11-22447417, CIN : U74140JH1973GOI001199

GSTIN : 07AACCM2119B1Z4 वेबसाइट / Website : <http://meconlimited.co.in>

स्वीकृति का फैक्स / FAX OF ACCEPTANCE (FOA)

FOA NO. 05/51/Q7NT/GAIL/001-ii-23/FOA-1022

DATE: 28.03.2024

TO : M/S SHIV SHAKTI CONSTRUCTION
PHONE : +91- 011-42508200, 9810835939
EMAIL : shivshaktirohini85@gmail.com
ATTN : MRS. PRABHA SHARMA, PROPRIETOR
FROM : SR. GM (CONTRACTS), MECON LIMITED, DELHI

PLEASE REFER TO YOUR OFFER NO. NIL DTD. 02.02.2024 (NIC BID ID: 664161) AND ALL OTHER SUBSEQUENT CORRESPONDENCE AGAINST BIDDING DOCUMENT NO. 05/51/Q7NT/GAIL/001-II-23 DATED 17.01.2024 (TENDER ID: 2024 GAIL 181335 1) & COMMERCIAL CORRIGENDUM#1 DATED 22.01.2024 FOR LAYING OF PE PIPELINE NETWORK INCLUDING ASSOCIATED WORKS FOR PATNA GA FOR CGD PROJECT AT SIX GAS FOR GAIL (INDIA) LIMITED (.)

WE HEREBY ISSUE THIS FAX OF ACCEPTANCE (FOA) FOR AWARD FOR APPROX. 72.68% OF SCOPE OF WORK OF TENDER AT AN ESTIMATED CONTRACT VALUE OF RS. 4,23,15,400/- (INDIAN RUPEES FOUR CRORE TWENTY-THREE LAKHS FIFTEEN THOUSAND FOUR HUNDRED ONLY) EXCL. GST. GST SHALL BE PAYABLE EXTRA AS PER TENDER PROVISIONS. (PRESENT RATE OF GST@18%).

THE DETAILED BREAKUP OF ABOVE ORDER VALUE IS ENCLOSED AS ANNEX-1(.)

THE COMPLETION PERIOD SHALL BE AS PER TENDER DOCUMENT.(.)

PLEASE SUBMIT CONTRACT PERFORMANCE BANK GUARANTEE@ 10% OF TOTAL CONTRACT/ORDER VALUE [EXCLUDING GST] AS PER CL. NO.38 OF ITB OR AS PER BDS (ANNEXURE-IV TO SECTION-III OF VOL I OF II) AND CONTRACT AGREEMENT AS PER CL. NO.37 OF ITB OF TENDER DOCUMENT (.)

YOU ARE REQUESTED TO CONTACT PROJECT COORDINATOR (MR. PRATEEK MAHESHWARI, MANAGER (CGD), MECON LIMITED, EMAIL ID: pmaheshwari@mecon.co.in) FOR FURTHER INSTRUCTIONS (.)

ALL OTHER TERMS AND CONDITIONS SHALL BE AS PER BIDDING DOCUMENT & CORRIGENDUM THERE OF AS STATED ABOVE AND AS AGREED TILL DATE (.)

A DETAILED ORDER SHALL FOLLOW (.)

FOR & ON BEHALF OF GAIL (INDIA) LIMITED

राकेश शर्मा / RAKESH SHARMA

वरि, महाप्रबंधक (अनुबंध) / SR. GM (CONTRACTS)
मेकॉन लिमिटेड, दिल्ली / MECON LIMITED, DELHI

CC: BY COURIER TO:

M/s Shiv Shakti Construction

F-1/22, 1st Floor, Sector-11, Rohini, New Delhi-110085.

Tel No.: +91- 011-42508200, 9810835939

प्रधान कार्यालय / Head Office :

राँची / Ranchi

+91-651-248 3000 (Phone)
+91-651-248 2189/248 2214 (Fax)
ranchi@meconlimited.co.in

बेंगलूरु / Bangalore

+91-80-2657 1661-63 (Phone)
+91-80-2625 2000 (Phone)
+91-80-2657 6352 (Fax)
bangalore@meconlimited.co.in

मुम्बई / Mumbai

+91-22-27-81 2155-58 (Phone)
+91-80-2781 2275 (Fax)
Mumbai@meconlimited.co.in

कार्यालय / Office :

कोलकाता / Kolkata

+91-33-2282 2381-82 (Phone)
+91-33-2282 4441 (Fax)
kolkata@meconlimited.co.in

चेन्नई / Chennai

+91-44-2618 4873 (Phone)
+91-44-2618 4874 (Fax)
chennai@meconlimited.co.in

M/s Shiv Shakti Construction, Delhi,						
Sl. No.	Item Description	Quantity	Units	Estimated Rate (inclusive of all applicable taxes & duties payable by the Contractor under the Contract, or for any other cause except final GST) in Rupees	TOTAL AMOUNT (inclusive of all applicable taxes & duties & other levies [if any] payable by the Contractor under the Contract, or for any other cause except final GST) in Rupees	
1	PE PIPELINE					
2	Pipe Laying(including crossing) in any type of surface like unprepared surface (Katcha surface)/ Normal Surface/ Hard surface/Rock surface etc using open cut/ Molding (without Casing)/ Molding (with Casing)/Directional Drilling technique (with and without casing pipe) methodology.					
3	Receipt, Loading, unloading, storing, reloading, transportation, unloading, stringing and laying of PE100, SDR11 line pipes of all sizes including, proper stacking, identification, and supply of accessories of all sizes & thickness like PE Bends, Couplers, Endcaps, Tee, Reducer, CS / GI to PE Fittings (i.e. Transition Fittings of sizes 20 mm to 32 mm), Warning Mat etc. Handling, Stringing / uncoiling, aligning of the PE line pipe on the pipeline Right-of-Use / route, laying / installation of PE line pipe alongwith required accessories as mentioned above as per specification wherever required depending on site condition including execution of all works; Storage of material in contractor's store, fabrication, access for construction procurement and supply of all materials, consumables, equipments, labour and other inputs. In the case of free issue items, the scope also includes, receiving and loading from Owner's designated store, transportation, unloading and stacking of free issue items at Contractor's store. -Laying of all PE pipe (PE 100 SDR11), Including supply of HDPE casing pipe (in case of HDD (with case).Molding(with case) , Couplers, End caps etc. (Ref. cl. 4.3 of Particular job specification). -Survey of under ground utilities, execution of the work as per specification, including excavation of pits moling with the hole size not exceeding 20% of the pipe dia, jointing and insertion of carrier pipe with casing, testing & commissioning and restoration of the pits to original condition, submission of As-Built Graph as per specifications and the instruction of Engineer-in-charge. -Casing details is as given below:- 1. For 20/32 mm PE pipe (in 75 mm dia. HDPE Casing Pipe, PE 63/80 PN6.0). 2. For 63 mm PE pipe (in 125 mm dia. HDPE Casing Pipe, PE 63/80 PN6.0). 3. For 90 mm pipe (in 180 mm dia. HDPE Casing Pipe, PE 63/80 PN6.0). 4. For 125 mm pipe (in 250 mm dia. HDPE Casing Pipe, PE63/80 PN 6.0).					
4	Carrying out all temporary, ancillary, auxiliary works required to make the PE pipeline ready for commissioning as per Specifications, scope of work indicated in PJS and other provisions of Contract document and instructions of Engineer-in-charge, including but not limited to carrying out the following works:					
5	Surveying of route and detours required at the time of execution, preparation of construction drawings showing survey details and submit same to Owner for review / approval.					
6	Carrying out preliminary activities such as preparation of drawings wherever required for crossing etc.					
7	Preparation and getting approval of schedules, execution procedures, drawings/ sketches/ wherever required, making trial pits to determine the underground utilities/ services etc., restoration of the abandoned trial pits to original condition.					

M/s Shiv Shakti Construction, Delhi,

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9	Stacking and installation of construction markers, clearing, fencing, grubbing, cutting of trees, full filling all the requirements of various statutory/ environment authorities to the entire satisfaction of concerned authorities, grading of work area.				
10	Barricading the work area as per local authorities norms & to the satisfaction of Owner/ Engineer -in-charge, installation of safety signs.				
11	Barricading the pipeline construction area prior to execution of the works as per drawing no. MEC/23QH/05/25/M/000/011 & MEC/23QH/05/25/M/000/10 enclosed with tender document and to the entire satisfaction of owner / engineer- in-charge.				
12	Laying using open trench without casing includes survey of under ground utilities (through trial pits), execution of work as per specification including Trenching to all depths by excavation in all types of soils including soft/ rocky strata (Rock Cutting to be paid separately as per SOR No. A01100 to A01101) and different type of pavement / footpath / roads etc. including rock breaking, chiselling or otherwise cutting 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 as per the relevant standard/ specification etc. [The minimum depth of the top of pipeline shall be 1.0 m measured from top of pipeline to the top of undisturbed surface of the soil or as per Specification/ OISD- 226 & PNGRB latest guidelines whichever is higher]. Dewatering of trenches / pits if required as per site condition. Repairing of all damaged utilities if any, and payment of any compensation (if claimed by owner / other utility agencies)				
13	Uncoiling / stringing & aligning of PE pipes, clamping, jointing of the pipe ends / fittings / valves by qualified personnel using approved electro-fusion techniques as per specification.				
14	Installation / lowering the pipeline in trench to required depth as per PJS. Technical Specification & drawings, supply & placement of HDPE Yellow colour warning mat (refer PJS item.- 4.2) over the pipeline along the complete route as per standard drawings, data sheets & technical specifications, padding around pipeline including supply of suitable padding material duly approved by EIC, backfilling to its original condition with excavated earth / borrowed select soil/sand duly approved by EIC & its compaction & crowning. At certain specific area of ROU, trench shall be backfilled & compacted and shall be made ready for motorable. All tiles / slabs / curb stones etc removed during excavation shall be placed properly and no separate payment shall be admissible against this activity. Restoration shall be carried as per separate SOR item mentioned elsewhere in the SOR or to be done by Owner / concerned authorities.				
15	The scope of work against this item also include Electro-fusion jointing of valves, fittings wherever required and as directed by Engineer-in-charge.				
16	The scope of work against laying of 20/32 mm pipe also includes works like making of PCC pedestal of grade (1:2:4) and size (300mm(L)X200mm(W) XHeight (H));(H>=300mm & will be as per site condition)), supply and installation of GI Sleeve (Heavy (C-Class) as per IS-1239), filling of sand and installation of TF (along with supply).				
17	Pneumatic testing, purging with nitrogen and commissioning as per specification and approved procedures providing all tools and tackles, nitrogen, instruments, manpower and other related accessories and as per the instructions of the Engineer-in-charge.				

M/s Shiv Shakti Construction, Delhi,							
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18	Final clean-up of right-of-use or area disturbed by contractor during their construction activities for laying of pipeline works and disposal of debris and surplus material to designated disposal areas and backfilling of trench and compaction of the same as per satisfaction of Owner and / or as directed by Engineer-in-charge.						
19	Maintaining the completed pipelines and installation for any defect or failures during defect liability period (i.e. 12 months from date of completion of work).						
20	Handing over the completed works to Owner for their operation/ use, reconciliation of material area wise and obtaining "no objection certificate" from Owner/PMC.						
21	Preparation and submission of Daily progress report, Laying Graphs / PE line cards on daily basis.						
22	On completion of gas charging of pipelines. Preparation and submission of As-built drawings, crossings details, termination, utility graphs and deviation statements.						
23	In case, the minimum required depth is not possible due to site condition, necessary mitigation measures (for minimum top cover of 600mm) shall be required to be taken by contractor in consultation with EIC as per PNGRB Guidelines. No additional payment shall be admissible against the same. However required top cover can further be reduce till 375mm and payment against the same shall be made according to SOR item no. A00300.						
24	Submission of all documents required for contract closure in numbers as mentioned in contract.						
25	Any other activities not mentioned / covered explicitly above, but otherwise required for satisfactory completion / operation / safety / statutory / maintenance of the works shall also be covered under the scope of work and has to be completed by the Contractor within specified schedule at no extra cost to Owner. All the work shall be executed in accordance with the provision of contract.						
26	Pipeline Laying through Open Cut (Without casing) in any type of surface like unprepared surface (Katcha surface)/ Normal Surface/Hard Surface/Pebbles/Cobbles/Boulders/Structures etc (excluding Rocky strata)						
27	20 mm PE 100 pipe	2180	Meter	218.30		475.894	
28	32 mm PE 100 pipe	727	Meter	218.30		158.704	
29	63 mm PE 100 pipe	727	Meter	259.60		188.729	
30	90 mm PE 100 pipe	545	Meter	324.50		176.853	
31	125 mm PE 100 pipe	545	Meter	389.40		212.223	
32	Pipeline Laying Through Molding (without casing) in any type of surface like unprepared surface (Katcha surface)/ Normal Surface/Hard Surface/Pebbles/Cobbles/Boulders/Structures etc (excluding Rocky strata)						
33	20 mm PE 100 pipe	3271	Meter	283.20		926.347	
34	32 mm PE 100 pipe	1454	Meter	283.20		411.773	
35	Pipeline Laying Through HDD (without casing) in any type of surface like unprepared surface (Katcha surface)/ Normal Surface/Hard Surface/Pebbles/Cobbles/Boulders/Structures etc (excluding Rocky strata)						
36	32 mm PE 100 pipe	10175	Meter	472.00		4,802.600	
37	63 mm PE 100 pipe	13082	Meter	507.40		6,637.807	
38	90 mm PE 100 pipe	8358	Meter	767.00		6,410.586	
39	125 mm PE 100 pipe	9448	Meter	1,003.00		9,476.344	

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40		Pipeline Laying through Open Cut(With casing) in any type of surface like unprepared surface (Katcha surface)/ Normal Surface/Hard Surface/Pebbles/Cobbles/Boulders/Structures etc (excluding Rocky strata)							
41		20 mm PE 100 pipe				363	Meter	324.50	117,794
42		32 mm PE 100 pipe				363	Meter	324.50	117,794
43		63 mm PE 100 pipe				73	Meter	525.10	38,332
44		90 mm PE 100 pipe				73	Meter	885.00	64,605
45		125 mm PE 100 pipe				73	Meter	1,475.00	107,675
46		Pipeline Laying Through Moling(with casing) in any type of surface like unprepared surface (Katcha surface)/ Normal Surface/Hard Surface/Pebbles/Cobbles/Boulders/Structures etc (excluding Rocky strata)							
47		20 mm PE 100 pipe				218	Meter	389.40	84,889
48		32 mm PE 100 pipe				218	Meter	389.40	84,889
49		Pipeline Laying Through HDD (with casing) in any type of surface like unprepared surface (Katcha surface)/ Normal Surface/Hard Surface/Pebbles/Cobbles/Boulders/Structures etc (excluding Rocky strata)							
50		32 mm PE 100 pipe				218	Meter	649.00	141,482
51		63 mm PE 100 pipe				44	Meter	1,416.00	62,304
52		90 mm PE 100 pipe				44	Meter	2,124.00	93,456
53		125 mm PE 100 pipe				44	Meter	2,950.00	129,800
54		Pipeline Laying through Open Cut (Without casing) for all type of Rocky strata							
55		20 mm PE 100 pipe				218	Meter	259.60	56,593
56		32 mm PE 100 pipe				363	Meter	259.60	94,235
57		63 mm PE 100 pipe				363	Meter	300.90	109,227
58		90 mm PE 100 pipe				363	Meter	383.50	139,211
59		125 mm PE 100 pipe				363	Meter	460.20	167,053
60		Pipeline Laying Through Moling(without casing)for all type of Rocky strata							
61		20 mm PE 100 pipe				545	Meter	330.40	180,068
62		32 mm PE 100 pipe				727	Meter	330.40	240,201
63		Pipeline Laying Through HDD (without casing) for all type of Rocky strata							
64		32 mm PE 100 pipe				363	Meter	590.00	214,170
65		63 mm PE 100 pipe				363	Meter	649.00	235,587
66		90 mm PE 100 pipe				363	Meter	944.00	342,672
67		125 mm PE 100 pipe				363	Meter	1,298.00	471,174
68		Pipeline Laying through Open Cut(With casing) for all type of Rocky strata							
69		20 mm PE 100 pipe				182	Meter	365.80	66,576
70		32 mm PE 100 pipe				218	Meter	365.80	79,744
71		63 mm PE 100 pipe				44	Meter	578.20	25,441
72		90 mm PE 100 pipe				44	Meter	944.00	41,536
73		125 mm PE 100 pipe				44	Meter	1,593.00	70,092

M/s Shiv Shakti Construction, Delhi.

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74	Pipeline Laying Through Moling (with casing) for all type of Rocky strata				
75	20 mm PE 100 pipe	182	Meter	448.40	81,609
76	32 mm PE 100 pipe	182	Meter	448.40	81,609
77	Pipeline Laying Through HDD (with casing) for all type of Rocky strata				
78	32 mm PE 100 pipe	182	Meter	826.00	150,332
79	63 mm PE 100 pipe	73	Meter	1,711.00	124,903
80	90 mm PE 100 pipe	36	Meter	2,596.00	93,456
81	125 mm PE 100 pipe	36	Meter	3,481.00	125,316
82	NOTE: i) The lengths of pipelines are tentative. ii) For restoration of asphalt / concrete roads, the item for construction of asphalt top / concrete top / Tiles/Stone slab/Paver Blocks/Curb Stones/RCC Top shall be paid separately as per the rates quoted for the same elsewhere in the SOR. iii) For SOR Item No. A00116 to A00129, A00144 to A00157 payment for length of PE pipe will be done as per casing pipe length. iv) Payment for items above under pipeline laying in all type of rocky strata shall be made only wherever hard rock is existing and supply and installation of padding materials (i.e. sand/soft soil) shall be done as per the direction of EIC. Bidders to quote accordingly.				
83	Civil Work/Cutting/ Breaking and Restoration				
84	Restoration of the roads, pavements, channels, footpaths, tiles, stones etc. to original condition including supply of the approved quality material required, as per local authorities norms, obtaining NOC from land owners/ third party inspection agencies/Consultant designated by GAIL and to the satisfaction of Engineer-in-charge.				
85	Asphalting	182	Meter	200.60	36,509
86	Breaking/Cutting of Cement Concrete-Making provision for PE Pipe laying as per site requirement and as per	1817	Meter	82.60	150,084
87	Cement Concrete restoration as per scope of work. (Excluding Breaking/Cutting)	1817	Meter	566.40	1,029,149
88	Breaking/Cutting of RCC Core- Making provision for PE Pipe laying as per site requirement and as per instruction of	1817	Meter	123.90	225,126
89	RCC restoration as per scope of work. (Excluding Breaking/Cutting)	1817	Meter	708.00	1,286,436
90	Tiles/ Paver/ Blocks/ Curb Stones.Red sand stone	6541	Meter	206.50	1,350,717
91	Brick Soling/ Stone Soling, etc	2180	Meter	147.50	321,550
92	Providing, hoisting and placing of 75 mm thick precast reinforced cement concrete slab of M-20 grade over pipeline as mechanical protection including the cost of required centering, shuttering, reinforcement complete as per tender drawing and direction of the EIC. Note:- Size (Length x Width) of the precast slab will be decided as per site condition and as per instruction of EIC. Precast slab will be placed in multiple number and various location as per site condition and as per instruction of EIC.	22	Cubic Meter	7,434.00	163,548

M/s Shiv Shakti Construction, Delhi,

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93	Valve Pit Chamber (Brick Masonry) Constructing valve pit chamber in brick masonry with cement mortar 1:4 (1 cement : 4 coarse sand) over 150 mm thick RCC Foundation along with 75 mm thick levelling course in 1:4:8 mix including 16 mm thick plastering with cement mortar 1:3 (1 cement : 3 coarse sand) and PCC pedestal for Valve support (if required) complete as per specification, drawings and direction of EIC. Valve Pit Chamber shall be covered with 150 mm thick RCC top slab of M-25 grade with manhole cover (medium duty) along with frame as per IS 1726. Rate to include cost of all labour, tools, tackles, equipment, hire charges, supply of all materials such as minimum 45 grade cement, reinforcement, CI manhole cover, PVC coated rungs, inserts including excavation and backfilling, masonry works, plastering, etc. with all bva works and sundry works.				
94	Type I : Inside size 1500 mm x 1000 mm and upto 1500 mm deep	15	Each	18,408.00	276,120
95	Type II : Inside size 1500 mm x 1000 mm and greater thano 1500 mm deep	4	Each	23,010.00	92,040
96	Valve Pit Chamber (RCC) Constructing valve pit chamber in RCC of grade M-25 over 75 mm thick levelling course in 1:4:8 mix including 16 mm thick plastering with cement mortar 1:3 (1 cement : 3 coarse sand) and PCC pedestal for Valve support (if required) complete as per specification, drawings and direction of EIC. Valve Pit Chamber shall be covered with 150 mm thick RCC top slab of M-25 grade with manhole cover (medium duty) along with frame as per IS 1726. Rate to include cost of all labour, tools, tackles, equipment, hire charges, supply of all materials such as minimum 45 grade cement, reinforcement, CI manhole cover, PVC coated rungs, inserts including excavation and backfilling, masonry works, plastering, etc. with all bva works and sundry works.				
97	Type I : Inside size 1500 mm x 1000 mm and upto 1500 mm deep	14	Each	34,515.00	483,210
98	Type II : Inside size 1500 mm x 1000 mm and greater thano 1500 mm deep	4	Each	43,719.00	174,876
99	Note: The tender drawing enclosed is only for reference purpose and contractor shall be required to prepare drawings (in line with reference tender drawing) for specific sizes of Valve pits and the same shall be approved by EIC.				
100	Pipe laying inside Private Property i.e Multistory buildings / apartments with no movement of Heavy Vehicles, surrounded with Boundary wall where pipe top cover could not be achieved 600 mm.				
101	Minimum pipe top cover of 375 mm is required and the line pressure shall not exceed 110mbar.				
102	Necessary mitigation measures such as RCC slab (150mm thick and 300mm width) at the top, the RCC slab of the roof of basement shall be treated as bottom. There shall be sand filling across three sides of the line pipe of 100mm each shall be required to be taken by contractor in consultation with EIC as per latest PNGRB Guidelines. No additional payment shall be admissible against the same.				

M/s Shiv Shakti Construction, Delhi,					
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103	Receipt, Loading, unloading, storing, reloading, transportation, unloading, stringing and laying of 20mm, 32mm & 63mm PE pipe (PE 100 SDR11) including proper stacking, identification and supply of accessories of below mentioned sizes & all thickness like PE Bends, Couplers, Endcaps, Tee, Reducer, CS / GI to PE Fittings (i.e. Transition Fittings of sizes 20 mm to 63 mm), Warning Mat etc. Handling, Stringing / uncoiling, aligning of the PE line pipe on the pipeline Right-of-Use / route, laying / installation of PE line pipe alongwith required accessories as mentioned above as per specification wherever required depending on site condition including execution of all works; Storage of material in contractor's store, fabrication, access for construction procurement and supply of all materials, consumables, equipments, labour and other inputs. In the case of free issue items, the scope also includes, receiving and loading from Owner's designated store, transportation, unloading and stacking of free issue items at Contractor's store.				
104	Carrying out all temporary, ancillary, auxiliary works required to make the PE pipeline ready for commissioning as per drawing.				
105	Surveying of route and detours required at the time of execution, preparation of construction drawings showing survey details, and submit same to Owner for review / approval.				
106	Preparation and getting approval of schedules, execution procedures, drawings/ sketches/ wherever required, making trial pits to determine the underground utilities/ services etc., restoration of the abandoned trial pits to original condition.				
107	Barricading the pipeline construction area prior to execution of the works as per drawing no. MEC/23QH/05/25/M/000/011 & MEC/23QH/05/25/M/000/10 enclosed with tender document and to the entire satisfaction of owner / engineer-in-charge.				
108	Laying using open trench without casing includes survey of under ground utilities (through trial pits), execution of work as per specification including Trenching to all depths by excavation in all types of soils including soft/ rocky strata (Rock Cutting to be paid separately as per SOR no 1.120) and different type of pavement / footpath / roads etc. including rock breaking, chiselling or otherwise cutting 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 as per the relevant standard/ specification etc. [The minimum depth of the top of pipeline shall be 1.0 m measured from top of pipeline to the top of undisturbed surface of the soil or as per Specification/ OISD- 226 & PNGRB latest guidelines whichever is higher]. Dewatering of trenches / pits if required as per site condition. Repairing of all damaged utilities if any, and payment of any compensation (if claimed by owner / other utility agencies)				
109	Uncoiling / stringing & aligning of PE pipes, clamping, jointing of the pipe ends / fittings / valves by qualified personnel using approved electro-fusion techniques as per specification.				

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110	Installation / lowering the pipeline in trench to required depth, supply & placement of HDPE Yellow colour warning mat (refer PJS item.- 4.2) over the pipeline along the complete route as per drawing no. MEC/U99/05/11/C/ and backfilling to its original condition with excavated earth / borrowed select soil / sand duly approved by EIC & its compaction & crowning. At certain specific area of ROU, trench shall be backfilled & compacted and shall be made ready for motorable. All tiles / slabs / curb stones etc removed during excavation shall be placed properly and no separate payment shall be admissible against this activity. Restoration shall be carried as per separate SOR item mentioned elsewhere in the SOR or to be done by Owner / concerned authorities.				
111	The scope of work against laying of 20/32 mm pipe also includes works like making of PCC pedestal of grade (1:2:4) and size (300mm(L)X200mm(W) XHeight (H)), (H>=300mm & will be as per site condition)), supply and installation of GI Sleeve (Heavy (C-Class) as per IS-1239), filling of sand and installation of TF (along with supply).				
112	Pneumatic testing, purging with nitrogen and commissioning as per specification and approved procedures providing all tools and tackles, nitrogen, instruments, manpower and other related accessories and as per the instructions of the Engineer-in-charge.				
113	Final clean-up of right-of-use or area disturbed by contractor during their construction activities for laying of pipeline works and disposal of debris and surplus material to designated disposal areas and backfilling of trench and compaction of the same as per satisfaction of Owner and / or as directed by Engineer-in-charge.				
114	Maintaining the completed pipelines and installation for any defect or failures during defect liability period (i.e. 12 months from date of completion of work).				
115	Handing over the completed works to Owner for their operation/ use, reconciliation of material area wise and obtaining "no objection certificate" from Owner/ Consultant.				
116	On completion of gas charging of pipelines. Preparation and submission of As-built drawings, crossings details, termination, utility graphs and deviation statements.				
117	Any other activities not mentioned / covered explicitly above, but otherwise required for satisfactory completion / operation / safety / statutory / maintenance of the works shall also be covered under the scope of work and has to be completed by the Contractor within specified schedule at no extra cost to Owner. All the work shall be executed in accordance with the provision of contract.				
118	20 mm PE 100 pipe	545	Meter	330.40	180,068
119	32 mm PE 100 pipe	1090	Meter	342.20	372,998
120	Supply of GI/ MS/ Concrete Sleeves (wherever required as a Special Case as per instructions of the Engineer-in-				
121	Supply, installation of sleeve, insertion of pipe, sealing the annuals, firm fixing of Sleeves with concrete mix. Breaking through any obstructions and their subsequent restoration, as per specifications and instructions of the Engineer-in-charge.				
122	GI/MS Pipes shall be Heavy (C-Class) as per IS-1239				
123	GI Sleeves /Concrete Sleeves	182	Nos.	153.40	27,919
124	2 1/2" NB, 1' Length	7	Nos.	271.40	1,900
125	MS Enamel Coated				

Sl. No.	Item Description	Quantity	Units	Estimated Rate (inclusive of all applicable taxes & duties & other levies [if any] payable by the Contractor under the Contract, or for any other cause except final GST) in Rupees	TOTAL AMOUNT (inclusive of all applicable taxes & duties & other levies [if any] payable by the Contractor under the Contract, or for any other cause except final GST) in Rupees
126	4" NB, 3' Length	7	Sq.	619.50	4,337
127	Concrete Sleeve (NP-2 Class)				
128	4" NB, 3' Length	7	Sq.	153.40	1,074
129	6" NB, 3' Length	7	Sq.	247.80	1,735
130	Note: The decision regarding use of type of sleeves to be used at various locations shall be made by Engineer In-				
131	Installation of valve(Normal stem) in pit including supply of valves				
132	Supply of isolation valves (as per data sheet) and installation of valves in the valve pits as per typical drawing and specification enclosed and instructions of Engineer-in-charge. Payment of valve pits shall be paid separately as per SOR.				
133	PE Valve 32 mm dia	15	Nos.	3,558.00	54,870
134	PE Valve 63 mm dia	7	Nos.	8,083.00	56,581
135	PE Valve 90 mm dia	7	Nos.	12,567.00	87,969
136	PE Valve 125mm dia	7	Nos.	17,405.00	121,835
137	Installation of valve(Long stem) in pit including supply of valves				
138	Supply of isolation valves (as per data sheet) and installation of valves in the valve pits as per typical drawing and specification enclosed and instructions of Engineer-in-charge. Payment of valve pits shall be paid separately as per SOR.				
139	PE Valve(Long stem) 32 mm dia	7	Nos.	4,012.00	28,084
140	PE Valve(Long stem) 63 mm dia	3	Nos.	8,909.00	26,727
141	PE Valve(Long Stem) 90 mm dia	2	Nos.	13,865.00	27,730
142	PE Valve(Long stem) 125mm dia	2	Nos.	19,116.00	38,232
143	Fabrication & Installation of Markers				
144	RCC Route Markers				
145	Supply, fabrication and installation of RCC route markers as per the attached drawing in technical volume, along the route including all associated civil works such as excavation and construction in all types of soils, construction and pedestals and grouting with concrete.	909	Nos.	295.00	268,155
146	Pole Markers with Foundation				
147	Supply, fabrication and installation of plate markers as per the attached drawings in technical volume including all associated civil works such as excavation and construction in all types of soils, construction and pedestals and grouting with concrete, cleaning, stencil let.	182	Nos.	1,681.50	306,033
148	Warning Plate Markers				
149	Supply, fabrication and installation of plate markers, including application of approved color and quality of primer and paint, stencil letter cutting of lettering, numbers, direction, etc. as per the attached drawing in technical volume to be installed near regulator.	363	Nos.	306.80	111,368
150	Paver Block-Tiles Markers				

Sl. No.	Item Description	Quantity	Units	Estimated Rate (inclusive of all applicable taxes & duties & other levies [if any] payable by the Contractor under the Contract, or for any other cause except final GST) in Rupees	TOTAL AMOUNT (inclusive of all applicable taxes & duties & other levies [if any] payable by the Contractor under the Contract, or for any other cause except final GST) in Rupees
151	Supply, fabrication and installation of Pvaer Block-Tiles markers, including application of approved color and quality of primer and paint, stencil letter cutting of lettering, numbers, direction, etc. as per the attached drawings to be installed on Paver Block/Tiles on foot Path/As per the instruction of EIC.	73	Nos	306.80	22,396
152	Construction of RCC structure for protection of service line for drain/nallah Crossings	7	Cubic Meter	9,440.00	66,080
153	Construction of Non suspended slabs/pavement slabs including pedestal/ramp etc.using reinforced cement concrete of M-25 grade (Concrete shall be design mix/nominal mix with 20 mm & down size graded crushed stone aggregates) to protect the PE pipe laid. All necessary form work, finishing the top surface rough/smooth as required in any position, shape, level and thickness etc. shall be as specified and directed by EIC. The rates shall include grouting of pockets, supply of all material, tools, reinforcement steel etc.				
154	GPR Survey (Scope includes submission of GPR survey report before/after obtaining permission for excavation from land owning agencies with complete satisfaction of the land owning agency & Owner)				
155	GPR Survey - Length up to 100 meter	29	Nos.	5,900.00	171,100
156	GPR Survey - Length more than 100 meter	1090	RM	59.00	64,310
157	Note :-In case GPR survey length exceeds 100m, for quantity beyond 100m, amount in addition to SOR item no.- A01001, shall be payable based on per meter rate quoted against SOR item No. A01002				
158	Additional Backfilling of Sand in excavated trench/Pit as per site requirement				
159	Filling of M-Sand/Soft soil as per the site requirement and as per the instructions of EIC (except the sand padding as mentioned SOR Item No. A00101)	12	Cu-Meter	649.00	7,788
160	Preservation of Pipeline				
161	Preservation of pipeline sections and associated facilities (in event of delay in commissioning, other unforeseen reasons) including supply of nitrogen, all consumables, all equipment, man-power, etc. complete as per the requirements of specifications, other provisions of Contract document and instructions of Engineer-in-charge.				
162	By filling and pressurizing with nitrogen to a pressure of 2 bar(g) for a period of one month or part thereof.				
163	For 125 mm Pipeline	9521	Meter	8.85	84,261
164	For 90 mm Pipeline	9521	Meter	7.67	73,026
165	For 63 mm Pipeline	10648	Meter	6.49	69,106
166	For 32 mm Pipeline	22385	Meter	5.31	118,864
167	For 20 mm Pipeline	3852	Meter	5.31	20,454
168	For every additional period of one month or part thereof Limited to 6 month				
169	For 125 mm Pipeline	9521	Meter	4.72	44,939
170	For 90 mm Pipeline	9521	Meter	4.13	39,322
171	For 63 mm Pipeline	10648	Meter	3.54	37,694
172	For 32 mm Pipeline	22385	Meter	2.95	66,036
173	For 20 mm Pipeline	3852	Meter	2.95	11,363

Sl. No.	Item Description	Quantity	Units	Estimated Rate (inclusive of all applicable taxes & duties & other levies [if any] payable by the Contractor under the Contract, or for any other cause except final GST) in Rupees	TOTAL AMOUNT (inclusive of all applicable taxes & duties & other levies [if any] payable by the Contractor under the Contract, or for any other cause except final GST) in Rupees
174	Notes: i) The above length is not for a single section but for no. of sections. ii) All accessories ie; End caps and two nos tappings of 3/4 inches. PG to be considered per section and rate for the same shall be quoted by bidder under this item. iii) If month is partially complete, payment shall be made on prorata basis. iv) Scope includes pressure holding for a period of 6 months or as per EIC and jointing of PE pipe (if required) due to damage by any means and further filling of nitrogen for pressure holding.				
175	Note: (i) The quantities of individual item can varied as per site requirement. The payment will be made as per actual certified measurement at site. For the supply items the quantities shall be procured after approval from client/ consultant/EIC. (ii) The bidder must indicate currency(ies) against each quoted item of the SOR. (iii) The total amount shall also be given by the bidder in the quoted currency(ies). (iv) Some of the may / may not be execute as per site requirements.				
	Total Excluding GST				42,315,400
	Total Including 18% GST				49,932,172





Signature Not Verified

Digitally signed by RAKESH SHARMA

Date: 2024.04.15 12:18:35 IST

Location: eProcurement System for Central PSUs