



**MAHANAGAR  
GAS**

# MAHANAGAR GAS LIMITED

## WORK ORDER

To,  
Future Projects  
Shop No 5, Happy Home Apts,  
Near Mailaika,  
Shanti Park, Mira Road (E),,  
Thane-401107  
Maharashtra, India  
Vendor Code: 203633

WO No :MGL/C&P//4100005102/2015-16/HJ  
WO Date :29.10.2015  
RFQ No :MGL/C&P/PLNG/1447/15-16/PM  
RFQ Date : 23.09.2015  
Your Quot/Ref No: /Future-11/MGL/MR/LPG/GI  
NAVI MUMBAI AREA/2015 DATED: 06.10.2015  
& OUR LOT NO. NIL DATED: 15.10.2015

**Kind Attn:-Mr. Bhanu Singh # Proprietor**

**Subject :Laying of MP/LP, GI Installation of SR, RS, Gas Meter, Copper Tube, Rubber Hose, Valves etc.for PNG inside the Kitchen for Domestic&Non Domestic Customers in Navi Mumbai Area**

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 of Intent(if any),we are pleased to award this order highlighting the following salient features:

**Scope of work:**

Laying of MDPE (Medium Density Poly Ethylene) Pipeline for City Gas Distribution Network and Installation of Service Regulator, Regulating Stations for Domestic & Non Domestic customers in ZONE # 2 # Vashi, Sanpada - DRS # 118 A, B & 119:

The Scope of Work shall be as per Tender No.:MGL/C&P/PLNG/1447/15-16/PM Dated: 23.09.2015.

**Total Contract Value:**The estimated value of the contract shall be Rs.2,15,26,350.00 (Rupees Two Crores Fifteen Lacs Twenty Six Thousand Three Hundred Fifty only). Service Tax and VAT shall be paid extra at actuals.

**Engineer In-Charge:**

Mr. G.J.P.N Murthy, AVP (Contraction) shall be the Engineer In Charge for the said job. You are requested to contact him for further instructions.

**Contract Period :**The Contract shall be valid for a period of One Year w.e.f 01.11.2015 to 31.10.2016.



**Branch Office:** Kalina Office, Centrum House, 5th Floor, CST Road, Kalina, Santacruz (East), Mumbai - 400 098.

**T** +91 22 2654 7200/ 6789 2000 | **F** +91 22 26541043 | **E** info@mahanagargas.com | **W** www.mahanagargas.com

**Regd. Office:** MGL House, Block G-33, Bandra - Kurla Complex, Bandra (East), Mumbai - 400 051.

**CIN No.** U40200MH1995PLC088133 | **An ISO 9001, 14001 & OHSAS 18001 Certified Company**

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### SCHEDULE OF RATES

Sr.no	Service Code Description	Qty	UOM	Rate ₹	Amount ₹
<b>ITEM 00010 PE &amp; GI Navi Mumbai Zone 2 Labour</b>					
<b>The item covers the following services</b>					
10	1100592 M-Z-SOR 1 -70% , L	1,550	M	332.50	515,375.00
Laying of Medium pressure PE pipeline on municipal corporation Roads with temporary reinstatement from DRS to upstream of Service Regulator as per the scope and technical specification detailed in the Tender Document; ; Labour cost for laying Ø63mm ,90 mm & 125 mm & 180MM Pipe					
20	1100593 M-Z-SOR 1 -20% ,L	1,550	M	95.00	147,250.00
Laying of Medium pressure PE pipeline on municipal corporation Roads with temporary reinstatement from DRS to upstream of Service Regulator as per the scope and technical specification detailed in the Tender Document; ; Labour cost for laying Ø63mm ,90 mm & 125 mm & 180MM Pipe					
30	1100594 M-Z-SOR 1 -10% , L	1,550	M	47.50	73,625.00
Laying of Medium pressure PE pipeline on municipal corporation Roads with temporary reinstatement from DRS to upstream of Service Regulator as per the scope and technical specification detailed in the Tender Document; ; Labour cost for laying Ø63mm ,90 mm & 125 mm & 180MM Pipe					
40	1100598 M-Z-SOR 1A1 -100% , L	100	EA	2,000.00	200,000.00
Charges for Taking Tap off MP Tap off up to 25 Metres length on Municipal corporation Roads/Governemnet authorities , labour & material cost for taking TAP off on Municipal corporation roads/Governemnet authorities shall be paid extra as per the respective SOR of MP Laying , Nallah Crossing , Road Crossing and Reinsntament as applicable. Scope of materail Supply shall be same as per the respective SOR of MP Laying, Nallah Crossing ,Road crossing as the case may be. ; ; Labour cost for MP Tap off					
50	1100599 M-Z-SOR 1AA -70% , L	500	M	707.00	353,500.00
Road Crossings as per the scope and technical specification detailed in the Tender Document; ; Labour cost for Road Crossings					
60	1100600 M-Z-SOR 1AA -20% , L	500	M	202.00	101,000.00
Road Crossings as per the scope and technical specification detailed in the Tender Document; ; Labour cost for Road Crossings					
70	1100601 M-Z-SOR 1AA -10% , L	500	M	101.00	50,500.00
Road Crossings as per the scope and technical specification detailed in the Tender Document; ; Labour cost for Road Crossings					
80	1100605 M-Z-SOR 1B -100% , L	9,500	M	51.65	490,675.00

"Permanent Reinstatement of Private Road#Labour & Material cost for carrying out Permanent reinstatement of Private roads (i.e.,





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other than roads of Government / Municipal authorities) excavated by the contractor as detailed in scope of work of tender document, for which contractor has claimed rate at SOR 1A, 1A1, 1AA, for private roads & SOR 2A as applicable.; ; Labour Cost Permanent Reinstatement of Private Road"

90	1100607	475	M	150.00	71,250.00
M-Z-SOR 1B1(Pre-Priced) -100% , L					

Permanent Reinstatement of Private Road( as per MCGM /Municipal corporation Specifications /Requirements )  
Permanent reinstatement of Private Ashphalt roads as oper lastest MCGM specifications (i.e., other than roads of Government / Municipal authorities) excavated by the contractor as detailed in scope of work of tender document, for which contractor has claimed rate at SOR 1A, 1A1, 1AA, for private roads & SOR 2A as tapplicable.; ; Labour Cost for Permanent Reinstatement of Private Road( as per MCGM /Municipal corporation Specifications /Requirements )

100	1100609	2,350	M	20.00	47,000.00
M-Z-SOR 1SA(Pre-Priced) -100%					

Charges for Compliance to Health, Safety & Environment (HSE) as detailed in scope of work of tender document.; ; Charges for Compliance to Health, Safety & Environment (HSE) as detailed in scope of work of tender document.

110	1100610	4,700	M	25.00	117,500.00
M-Z-SOR 1SB(Pre-Priced) -100%					

Charges for providing Plastic Barricading on MP pipeline laying work as detailed in scope of work of tender document.; ; Charges for providing Plastic Barricading on MP pipeline laying work as detailed in scope of work of tender document.

120	1100611	25	EA	1,800.00	45,000.00
M-Z-SOR 1C(Pre-Priced) -90% , L					

Installation of PE stop-off valves (Supplied by MGL) on PE pipeline network, and as directed by EIC; as detailed in scope of work of tender document.; ; Labour cost for Installation of PE stop-off valves

130	1100612	25	EA	200.00	5,000.00
M-Z-SOR 1C(Pre-Priced) -10% , L					

Installation of PE stop-off valves (Supplied by MGL) on PE pipeline network, and as directed by EIC; as detailed in scope of work of tender document.; ; Labour cost for Installation of PE stop-off valves

140	1100615	300	M	3,465.00	1,039,500.00
M-Z-SOR 1D(Pre-Priced) -100% , L					

Nallahs having span up to 20 metres:Laying of PE pipeline at any depth below the drains / culverts / nallahs at least 1000 mm below the bed with protection, as detailed in scope of work of tender document.; ; Labour Cost for Nallahs having span up to 20 metres

150	1100617	40	M	8,040.00	321,600.00
M-Z-SOR 1E(Pre-Priced) -100% , L					

Laying of steel pipeline above drains / culverts / nallahs as detailed in scope of work of tender document.; ; Labour cost for steel pipeline above drains / culverts / nallahs.

160	1100619	10	M3	1,100.00	11,000.00
M-Z-SOR 1F1 (Pre-Priced) M20 PCC -100% ,					

Charges for Providing M20 PCC as detailed in scope of work of tender document; ; Labour cost for Providing M20 PCC

170	1100620	10	M3	1,300.00	13,000.00
M-Z-SOR 1F2 (Pre-Priced) M20 RCC-100% ,					

Charges for Providing M20 RCC as detailed in scope of work of tender document; ; Labour cost for Providing M20 RCC

180	1100623	150	M3	2,900.00	435,000.00
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M-Z-SOR 1G(Pre-Priced) -100% , L					
Charges for Breaking of hard rock as detailed in scope of work of tender document; ; Labour cost for Breaking of hard rock					
190	1100625	9,500	M	200.00	1,900,000.00
M-Z-SOR 2A -80% , L					
"Laying of low presseure ( LP ) PE laying in building area, as detailed in scope of work of tender document.#Separate rate for carrying out Permanent reinstatement of Private roads shall be paid under SOR 1B.; ; Labour cost for Laying of low presseure ( LP ) PE laying"					
200	1100626	9,500	M	25.00	237,500.00
M-Z-SOR 2A -10% , L					
"Laying of low presseure ( LP ) PE laying in building area, as detailed in scope of work of tender document.#Separate rate for carrying out Permanent reinstatement of Private roads shall be paid under SOR 1B.; ; Labour cost for Laying of low presseure ( LP ) PE laying"					
210	1100627	9,500	M	25.00	237,500.00
M-Z-SOR 2A -10% , L					
"Laying of low presseure ( LP ) PE laying in building area, as detailed in scope of work of tender document.#Separate rate for carrying out Permanent reinstatement of Private roads shall be paid under SOR 1B.; ; Labour cost for Laying of low presseure ( LP ) PE laying"					
220	1100631	475	M	23.00	10,925.00
M-Z-SOR 2B(Pre-priced) -100% , L					
Permanent reinstatement of concrete surface in a trench where PE pipe of Ø20 mm, Ø32 mm, Ø63 mm is laid: Separate rate for every incremental thickness of 2" of PCC (i.e., over and above the standard thickness of 6" PCC); ; Labour cost for carrying out Permanent reinstatement of concrete surface for every incremental thickness of 2" of PCC (i.e., over and above the standard thickness of 6" PCC)					
230	1100633	9,500	M	15.00	142,500.00
M-Z-SOR 2AS(Pre-priced) -100%					
Charges for Compliance to Health, Safety & Environment (HSE) as detailed in scope of work of tender document.; ; Charges for Compliance to Health, Safety & Environment (HSE) as detailed in scope of work of tender document.					
240	1100634	19,000	M	25.00	475,000.00
M-Z-SOR 2AB(Pre-priced) -100%					
Charges for providing Plastic Barricading for LP pipeline laying work as detailed in scope of work of tender document.; ; Charges for providing Plastic Barricading for LP pipeline laying work as detailed in scope of work of tender document.					
250	1100635	50	EA	80.00	4,000.00
M-Z-SOR 2C (Pre-priced) -100%					
Service charges for preparation and submission of Planned drawings (in ACAD format) in hard copy as well as in soft copy.; ; Service charges for preparation and submission of Planned drawings (in ACAD format) in hard copy as well as in soft copy.					
260	1100636	100	EA	847.80	84,780.00
M-Z-SOR 3 (Pre-priced) -90% , L					
Cost for Installation of Service Regulator Module (up to 65 scmh) in compliance with HSE requirements, as detailed in scope of work of tender document.; ; Labour cost for Installation of Service Regulator Module (up to 65 scmh)					
270	1100637	100	EA	94.20	9,420.00
M-Z-SOR 3 (Pre-priced) -10% , L					
Cost for Installation of Service Regulator Module (up to 65 scmh) in compliance with HSE requirements, as detailed in scope of					





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work of tender document.; ; Labour cost for Installation of Service Regulator Module (up to 65 scmh)						
280	1100640	10	EA	600.00	6,000.00	
	M-Z-SOR 4 A (Pre-priced) -100%					
Manday Charges for providing manpower (skilled, semi-skilled, unskilled), as detailed in scope of work of tender document.; ;						
Manday Charges for providing manpower (skilled, semi-skilled, unskilled), as detailed in scope of work of tender document.						
290	1100641	10	EA	550.00	5,500.00	
	M-Z-SOR 4 B (Pre-priced) -100%					
Manday Charges for providing manpower (skilled, semi-skilled, unskilled), as detailed in scope of work of tender document.; ;						
Manday Charges for providing manpower (skilled, semi-skilled, unskilled), as detailed in scope of work of tender document.						
300	1100642	10	EA	600.00	6,000.00	
	M-Z-SOR 4 C (Pre-priced) -100%					
Manday Charges for providing manpower (skilled, semi-skilled, unskilled), as detailed in scope of work of tender document.; ;						
Manday Charges for providing manpower (skilled, semi-skilled, unskilled), as detailed in scope of work of tender document.						
310	1100643	10	EA	500.00	5,000.00	
	M-Z-SOR 4 D (Pre-priced) -100%					
Manday Charges for providing manpower (skilled, semi-skilled, unskilled), as detailed in scope of work of tender document.; ;						
Manday Charges for providing manpower (skilled, semi-skilled, unskilled), as detailed in scope of work of tender document.						
320	1100644	15,000	M	135.00	2,025,000.00	
	M-Z-SOR 5A-90% , L					
Installatiion of GI Pipe ( Threaded ) Use of Electrical Resistance Welded (ERW) Galvanized Iron (GI) pipes of Heavy or medium Class and PETZL system for installation of new risers and for extensions in existing risers, as detailed in scope of work of tender document.; ; Labour cost for Installatiion of GI Pipe ( Threaded )						
330	1100645	15,000	M	15.00	225,000.00	
	M-Z-SOR 5A-10% , L					
Installatiion of GI Pipe ( Threaded ) Use of Electrical Resistance Welded (ERW) Galvanized Iron (GI) pipes of Heavy or medium Class and PETZL system for installation of new risers and for extensions in existing risers, as detailed in scope of work of tender document.; ; Labour cost for Installatiion of GI Pipe ( Threaded )						
340	1100648	2,500	M	198.00	495,000.00	
	M-Z-SOR 5B-90% , L					
Installation of GI - Welded Pipe :Use of Electrical Resistance Welded (ERW) Galvanized Iron (GI) pipes of Heavy class and PETZL system for installation of new risers and for extensions in existing risers, as detailed in scope of work of tender document.; ; Labour cost for Installatiion of GI Pipe (Welded )						
350	1100649	2,500	M	22.00	55,000.00	
	M-Z-SOR 5B-10% , L					
Installation of GI - Welded Pipe :Use of Electrical Resistance Welded (ERW) Galvanized Iron (GI) pipes of Heavy class and PETZL system for installation of new risers and for extensions in existing risers, as detailed in scope of work of tender document.; ; Labour cost for Installatiion of GI Pipe (Welded )						
360	1100652	17,500	M	10.00	175,000.00	
	M-Z-SOR 5S ((Pre-Priced)-100%					
Charges for Compliance to Health, Safety & Environment (HSE), as detailed in scope of work of tender document.; ; Charges for Compliance to Health, Safety & Environment (HSE), as detailed in scope of work of tender document.						





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370.	1100653 M-Z-SOR 6 -100% , L	3,500	EA	370.00	1,295,000.00
Installation of Copper pipe, Gas meter and associated fittings after MCV (Meter Control Valve) upto all cooking appliances, as detailed in scope of work of tender document including Conversion of domestic cooking appliances: Testing and commissioning of cooking appliances (having burners, grill / oven, etc.) in the premises of the domestic customers, as detailed in scope of work of tender document.; ; Labour cost for Installation of Copper pipe, Gas meter and associated fittings after MCV (Meter Control Valve) upto all cooking appliances					
380	1100656 M-Z-SOR 6S (Pre-Priced) -100%	3,500	EA	10.00	35,000.00
Charges for Compliance to Health, Safety & Environment (HSE), as detailed in scope of work of tender document.; ; Charges for Compliance to Health, Safety & Environment (HSE), as detailed in scope of work of tender document.					
390	1100657 M-Z-SOR 7 (Pre-Priced) -100%- L	50	EA	100.00	5,000.00
Charges for carrying out Conversion of domestic cooking appliances where meters are installed by previous contractors and only Testing and commissioning of cooking appliances (having burners, grill / oven, etc.) in the premises of the domestic customers is balance as detailed in scope of work of tender document including ccompliance to all the requirements of HSE; ; Charges for carrying out Conversion of domestic cooking appliances where meters are installed by previous contractors and only Testing and commissioning of cooking appliances (having burners, grill / oven, etc.) in the premises of the domestic customers is balance as detailed in scope of work of tender document including ccompliance to all the requirements of HSE					
400	1100660 M-Z-SOR 8C (Pre-Priced) -90% , L	20	EA	5,040.00	100,800.00
"I&C (with pipe size up to 2"" & length up to 3 metres) - Installation of Gas Meters, service regulators, service regulator modules, supply and installation of meter inlet pipe (carbon steel, ASTM A106 , Gr.B ,Schedule 40, ERW GI pipe heavy class), as detailed in scope of work of tender document.; ; Labour cost for I&C -I&C (with pipe size up to 2"" & length up to 3 metres)#"					
410	1100661 M-Z-SOR 8C (Pre-Priced) -10% , L	20	EA	560.00	11,200.00
I&C (with pipe size up to 2" & length up to 3 metres) - Installation of Gas Meters, service regulators, service regulator modules, supply and installation of meter inlet pipe (carbon steel, ASTM A106 , Gr.B ,Schedule 40, ERW GI pipe heavy class), as detailed in scope of work of tender document.; ; Labour cost for I&C -I&C (with pipe size up to 2" & length up to 3 metres)					
420	1100664 M-Z-SOR 8D (Pre-Priced) -90% , L	2	EA	6,300.00	12,600.00
I&C (with pipe 2" to 3" & length up to 3 metres) - Installation of Gas Meters, service regulators, service regulator modules, supply and installation of meter inlet pipe (carbon steel, ASTM A106 , Gr. B ,Schedule 40, ERW GI pipe heavy class), as detailed in scope of work of tender document.; ; Labour cost for I&C (with pipe 2" to 3" & length up to 3 metres)					
430	1100665 M-Z-SOR 8D (Pre-Priced) -10% , L	2	EA	700.00	1,400.00
I&C (with pipe 2" to 3" & length up to 3 metres) - Installation of Gas Meters, service regulators, service regulator modules, supply and installation of meter inlet pipe (carbon steel, ASTM A106 , Gr. B ,Schedule 40, ERW GI pipe heavy class), as detailed in scope of work of tender document.; ; Labour cost for I&C (with pipe 2" to 3" & length up to 3 metres)					
440	1100668 M-Z-SOR 8E (Pre-Priced) -90% , L	5	M	198.00	990.00
I&C (over and above lengths of 3 metres) - Fabrication and installation of meter inlet pipe (for SR Modules as well as Riser					





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Regulators); ; Labour cost for I&C (over and above lengths of 3 metres)						
450	1100669	5	M	22.00	110.00	
	M-Z-SOR 8E (Pre-Priced) -10% , L					
I&C (over and above lengths of 3 metres) - Fabrication and installation of meter inlet pipe (for SR Modules as well as Riser Regulators); ; Labour cost for I&C (over and above lengths of 3 metres)						
460	1100672	50	EA	255.00	12,750.00	
	M-Z-SOR 9.1 (Pre-Priced) -100% L					
Fixing of crimping; ; Labour charges for fixing of crimping						
470	1100673	50	EA	120.00	6,000.00	
	M-Z-SOR 9.2 (Pre-Priced) -100% L					
Fixing of crimp guard; ; Labour charges for fixing of crimp guard						
480	1100675	1,000	M	70.00	70,000.00	
	M-Z-SOR 9.3 (Pre-Priced) -100% , L					
Reinstatement inside the premises of society; ; Labour charges for reinstatement inside the premises of society						
490	1100677	20	M3	2,900.00	58,000.00	
	M-Z-SOR 9.4 (Pre-Priced) -100% , L					
Breaking and removing of RCC; ; Labour Charges for Breaking and removing of RCC						
500	1100679	50	M	70.00	3,500.00	
	M-Z-SOR 9.5 (Pre-Priced) -100% , L					
Reinstatement with paver blocks on roads / footpath; ; Labour cost for Reinstatement with paver blocks on roads / footpath						
510	1100681	50	EA	345.00	17,250.00	
	M-Z-SOR 9.6 (Pre-Priced) -100% , L					
PE electro-fusion joints (up to 180 mm); ; Labour charges for PE electro-fusion joints (up to 180 mm)						
520	1100682	4,000	M	135.00	540,000.00	
	M-Z-SOR 9.7 (Pre-Priced) -100% , L					
Rectification(including Route marker and Warning sign), Testing & commissioning of MP PE pipeline up to dia 180 mm; ; Labour charges for Rectification(including Route marker and Warning sign), Testing & commissioning of MP PE pipeline up to dia 180 mm						
530	1100683	4,500	M	62.00	279,000.00	
	M-Z-SOR 9.8 (Pre-Priced) -100% , L					
Rectification, Testing & commissioning of LP PE pipeline up to dia 90 mm; ; Labour charges for Rectification, Testing & commissioning of LP PE pipeline up to dia 90 mm						
540	1100685	1,700	EA	720.00	1,224,000.00	
	M-Z-SOR 9.10 (Pre-Priced) -100% , L					
Charges for patching up hole in the kitchen.; ; Charges for patching up hole in the kitchen.						
550	1100684	100	EA	145.00	14,500.00	
	M-Z-SOR 9.9 (Pre-Priced) -100% , L					
Charges for Rectification, testing & commissioning of Riser upto G+10 riser.height ); ; Charges for Rectification, testing & commissioning of Riser upto G+10 riser.height )						
560	1100686	700	M	24.00	16,800.00	
	M-Z-SOR 9.11 (Pre-Priced) -100% , Medium					





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Dismantling of GI pipes (Medium Class) of size from 1/2" NB to 1" NB, and shifting of MCV; ; Charges for dismantling of GI pipes (Medium Class) of size from 1/2" NB to 1" NB, and shifting of MCV

570	1100687	100	M	56.00	5,600.00
M-Z-SOR 9.11 (Pre-Priced) -100% , Heavy					

Dismantling of GI pipes (Heavy Class) of size from 1/2" NB to 1" NB, and shifting of MCV; ; Charges for dismantling of GI pipes (Heavy Class) of size from 1/2" NB to 1" NB, and shifting of MCV

580	1100688	700	M	120.80	84,560.00
M-Z-SOR 9.12 (Pre-Priced) -100% , L					

Re-installation of GI pipes (Medium Class) of size from 1/2" NB to 1" NB; ; Labour Charges for re-installation of GI pipes (Medium Class) of size from 1/2" NB to 1" NB

590	1100690	200	M	188.80	37,760.00
M-Z-SOR 9.13 (Pre-Priced) -100% , L					

Charges for re-installation of GI pipes (Heavy Class) of size from 1/2" NB to 1" NB; ; Labbour Charges for re-installation of GI pipes (Heavy Class) of size from 1/2" NB to 1" NB

600	1100692	20	EA	484.00	9,680.00
M-Z-SOR 9.14 (Pre-Priced) -100% , L					

Removal (downstream of MCV) of the existing copper pipe, gas meter, etc. and re-installation of the same (including shifting of MCV).; ; Labour Charges for removal (downstream of MCV) of the existing copper pipe, gas meter, etc. and re-installation of the same (including shifting of MCV).

### ITEM 00020 PE & GI Navi Mumbai Zone 2 Material-5%

The item covers the following services

10	1100595	1,550	M	64.96	100,688.00
M-Z-SOR 1 -70% , M					

Laying of Medium pressure PE pipeline on municipal corporation Roads with temporary reinstatement from DRS to upstream of Service Regulator as per the scope and technical specification detailed in the Tender Document; ; Material cost for above SOR item no. 110

20	1100596	1,550	M	18.56	28,768.00
M-Z-SOR 1 -20% , M					

Laying of Medium pressure PE pipeline on municipal corporation Roads with temporary reinstatement from DRS to upstream of Service Regulator as per the scope and technical specification detailed in the Tender Document; ; Material cost for above SOR item no. 110

30	1100597	1,550	M	9.28	14,384.00
M-Z-SOR 1 -10% , M					

Laying of Medium pressure PE pipeline on municipal corporation Roads with temporary reinstatement from DRS to upstream of Service Regulator as per the scope and technical specification detailed in the Tender Document; ; Material cost for above SOR item no. 110

40	1100602	500	M	203.35	101,675.00
M-Z-SOR 1AA -70% , M					

Road Crossings as per the scope and technical specification detailed in the Tender Document; ; Material cost for Road Crossings

50	1100603	500	M	58.10	29,050.00
M-Z-SOR 1AA -20% , M					





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Road Crossings as per the scope and technical specification detailed in the Tender Document; ; Material cost for Road Crossings						
60	1100604	500	M	29.05	14,525.00	
	M-Z-SOR 1AA -10% , M					
Road Crossings as per the scope and technical specification detailed in the Tender Document; ; Material cost for Road Crossings						
70	1100613	25	EA	9,450.00	236,250.00	
	M-Z-SOR 1C(Pre-Priced) -90% , M					
Installation of PE stop-off valves (Supplied by MGL) on PE pipeline network, and as directed by EIC; as detailed in scope of work of tender document.; ; Material cost for Installation of PE stop-off valves						
80	1100614	25	EA	1,050.00	26,250.00	
	M-Z-SOR 1C(Pre-Priced) -10% , M					
Installation of PE stop-off valves (Supplied by MGL) on PE pipeline network, and as directed by EIC; as detailed in scope of work of tender document.; ; Material cost for Installation of PE stop-off valves						
90	1100616	300	M	1,035.00	310,500.00	
	M-Z-SOR 1D(Pre-Priced) -100% , M					
Nallahs having span up to 20 metres:Laying of PE pipeline at any depth below the drains / culverts / nallahs at least 1000 mm below the bed with protection, as detailed in scope of work of tender document.; ; Material Cost for Nallahs having span up to 20 metres						
100	1100618	40	M	3,960.00	158,400.00	
	M-Z-SOR 1E(Pre-Priced) -100% , M					
Laying of steel pipeline above drains / culverts / nallahs as detailed in scope of work of tender document.; ; Material cost for steel pipeline above drains / culverts / nallahs.						
110	1100628	9,500	M	44.80	425,600.00	
	M-Z-SOR 2A -80% , M					
"Laying of low presseure ( LP ) PE laying in building area, as detailed in scope of work of tender document.#Separate rate for carrying out Permanent reinstatement of Private roads shall be paid under SOR 1B.; ; Material cost for Laying of low presseure ( LP ) PE laying"						
120	1100629	9,500	M	5.60	53,200.00	
	M-Z-SOR 2A -10% , M					
"Laying of low presseure ( LP ) PE laying in building area, as detailed in scope of work of tender document.#Separate rate for carrying out Permanent reinstatement of Private roads shall be paid under SOR 1B.; ; Material cost for Laying of low presseure ( LP ) PE laying"						
130	1100630	9,500	M	5.60	53,200.00	
	M-Z-SOR 2A -10% , M					
"Laying of low presseure ( LP ) PE laying in building area, as detailed in scope of work of tender document.#Separate rate for carrying out Permanent reinstatement of Private roads shall be paid under SOR 1B.; ; Material cost for Laying of low presseure ( LP ) PE laying"						
140	1100638	100	EA	1,807.20	180,720.00	
	M-Z-SOR 3 (Pre-priced) -90% , M					
Cost for Installation of Service Regulator Module (up to 65 scmh) in compliance with HSE requirements, as detailed in scope of work of tender document.; ; Material cost for Installation of Service Regulator Module (up to 65 scmh)						
150	1100639	100	EA	200.80	20,080.00	
	M-Z-SOR 3 (Pre-priced) -10% , M					





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Cost for Installation of Service Regulator Module (up to 65 scmh) in compliance with HSE requirements, as detailed in scope of work of tender document.; ; Material cost for Installation of Service Regulator Module (up to 65 scmh)

160	1100646	15,000	M	56.25	843,750.00
	M-Z-SOR 5A-90% , M				

Installation of GI Pipe ( Threaded ) Use of Electrical Resistance Welded (ERW) Galvanized Iron (GI) pipes of Heavy or medium Class and PETZL system for installation of new risers and for extensions in existing risers, as detailed in scope of work of tender document.; ; Material cost for Installation of GI Pipe ( Threaded )

170	1100647	15,000	M	6.25	93,750.00
	M-Z-SOR 5A-10% , M				

Installation of GI Pipe ( Threaded ) Use of Electrical Resistance Welded (ERW) Galvanized Iron (GI) pipes of Heavy or medium Class and PETZL system for installation of new risers and for extensions in existing risers, as detailed in scope of work of tender document.; ; Material cost for Installation of GI Pipe ( Threaded )

180	1100650	2,500	M	86.58	216,450.00
	M-Z-SOR 5B-90% , M				

Installation of GI - Welded Pipe :Use of Electrical Resistance Welded (ERW) Galvanized Iron (GI) pipes of Heavy class and PETZL system for installation of new risers and for extensions in existing risers, as detailed in scope of work of tender document.; ; Labour cost for Installation of GI Pipe (Welded )

190	1100651	2,500	M	9.62	24,050.00
	M-Z-SOR 5B-10% , M				

Installation of GI - Welded Pipe :Use of Electrical Resistance Welded (ERW) Galvanized Iron (GI) pipes of Heavy class and PETZL system for installation of new risers and for extensions in existing risers, as detailed in scope of work of tender document.; ; Labour cost for Installation of GI Pipe (Welded )

200	1100654	3,500	EA	165.00	577,500.00
	M-Z-SOR 6 -100% , M -5%				

Installation of Copper pipe, Gas meter and associated fittings after MCV (Meter Control Valve) upto all cooking appliances, as detailed in scope of work of tender document including Conversion of domestic cooking appliances: Testing and commissioning of cooking appliances (having burners, grill / oven, etc.) in the premises of the domestic customers, as detailed in scope of work of tender document.; ; Material cost for Installation of Copper pipe, Gas meter and associated fittings after MCV (Meter Control Valve) upto all cooking appliances

210	1100662	20	EA	9,360.00	187,200.00
	M-Z-SOR 8C (Pre-Priced) -90% , M				

I&C (with pipe size up to 2" & length up to 3 metres) - Installation of Gas Meters, service regulators, service regulator modules, supply and installation of meter inlet pipe (carbon steel, ASTM A106 , Gr.B ,Schedule 40, ERW GI pipe heavy class), as detailed in scope of work of tender document.; ; Material cost for I&C -I&C (with pipe size up to 2" & length up to 3 metres)

220	1100663	20	EA	1,040.00	20,800.00
	M-Z-SOR 8C (Pre-Priced) -10% , M				

I&C (with pipe size up to 2" & length up to 3 metres) - Installation of Gas Meters, service regulators, service regulator modules, supply and installation of meter inlet pipe (carbon steel, ASTM A106 , Gr.B ,Schedule 40, ERW GI pipe heavy class), as detailed in scope of work of tender document.; ; Material cost for I&C -I&C (with pipe size up to 2" & length up to 3 metres)

230	1100666	2	EA	15,300.00	30,600.00
	M-Z-SOR 8D (Pre-Priced) -90% , M				





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I&C (with pipe 2" to 3" & length up to 3 metres) - Installation of Gas Meters, service regulators, service regulator modules, supply and installation of meter inlet pipe (carbon steel, ASTM A106 , Gr. B ,Schedule 40, ERW GI pipe heavy class), as detailed in scope of work of tender document.; ; Material cost for I&C (with pipe 2" to 3" & length up to 3 metres)

240	1100667	2	EA	1,700.00	3,400.00
M-Z-SOR 8D (Pre-Priced) -10% , M					

I&C (with pipe 2" to 3" & length up to 3 metres) - Installation of Gas Meters, service regulators, service regulator modules, supply and installation of meter inlet pipe (carbon steel, ASTM A106 , Gr. B ,Schedule 40, ERW GI pipe heavy class), as detailed in scope of work of tender document.; ; Material cost for I&C (with pipe 2" to 3" & length up to 3 metres)

250	1100670	5	M	387.00	1,935.00
M-Z-SOR 8E (Pre-Priced) -90% , M					

I&C (over and above lengths of 3 metres) - Fabrication and installation of meter inlet pipe (for SR Modules as well as Riser Regulators); ; Material cost for I&C (over and above lengths of 3 metres)

260	1100671	5	M	43.00	215.00
M-Z-SOR 8E (Pre-Priced) -10% , M					

I&C (over and above lengths of 3 metres) - Fabrication and installation of meter inlet pipe (for SR Modules as well as Riser Regulators); ; Material cost for I&C (over and above lengths of 3 metres)

270	1100689	700	M	59.20	41,440.00
M-Z-SOR 9.12 (Pre-Priced) -100% , M					

Re-installation of GI pipes (Medium Class) of size from 1/2" NB to 1" NB; ; Material Charges for re-installation of GI pipes (Medium Class) of size from 1/2" NB to 1" NB

280	1100691	200	M	81.20	16,240.00
M-Z-SOR 9.13 (Pre-Priced) -100% , M					

Charges for re-installation of GI pipes (Heavy Class) of size from 1/2" NB to 1" NB; ; Material Charges for re-installation of GI pipes (Heavy Class) of size from 1/2" NB to 1" NB

290	1100693	20	EA	156.20	3,124.00
M-Z-SOR 9.14 (Pre-Priced) -100% , M (VAT					

Removal (downstream of MCV) of the existing copper pipe, gas meter, etc. and re-installation of the same (including shifting of MCV).; ; Material Charges for removal (downstream of MCV) of the existing copper pipe, gas meter, etc. and re-installation of the same (including shifting of MCV).

### ITEM 00030 PE & GI Navi Mumbai Zone 2 Material-12.5%

The item covers the following services

10	1100606	9,500	M	245.00	2,327,500.00
M-Z-SOR 1B -100% , M					

"Permanent Reinstatement of Private Road#Labour & Material cost for carrying out Permanent reinstatement of Private roads (i.e., other than roads of Government / Municipal authorities) excavated by the contractor as detailed in scope of work of tender document, for which contractor has claimed rate at SOR 1A, 1A1, 1AA, for private roads & SOR 2A as applicable.; ; Material Cost Permanent Reinstatement of Private Road"

20	1100608	475	M	1,350.00	641,250.00
M-Z-SOR 1B1(Pre-Priced) -100% , M					

Permanent Reinstatement of Private Road( as per MCGM /Municipal corporation Specifications /Requirements )

Permanent reinstatement of Private Ashphalt roads as per latest MCGM specifications (i.e., other than roads of Government /





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Municipal authorities) excavated by the contractor as detailed in scope of work of tender document, for which contractor has claimed rate at SOR 1A, 1A1, 1AA, for private roads & SOR 2A as applicable.; ; Material Cost for Permanent Reinstatement of Private Road( as per MCGM /Municipal corporation Specifications /Requirements )

30	1100621	10	M3	4,400.00	44,000.00
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M-Z-SOR 1F1 (Pre-Priced) M20 PCC -100% ,

Charges for Providing M20 PCC as detailed in scope of work of tender document; ; Material cost for Providing M20 PCC

40	1100622	10	M3	5,200.00	52,000.00
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M-Z-SOR 1F2 (Pre-Priced) M20 RCC-100% ,

Charges for Providing M20 RCC as detailed in scope of work of tender document; ; Material cost for Providing M20 RCC

50	1100632	475	M	92.00	43,700.00
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M-Z-SOR 2B(Pre-priced) -100% , M

Permanent reinstatement of concrete surface in a trench where PE pipe of Ø20 mm, Ø32 mm, Ø63 mm is laid: Separate rate for every incremental thickness of 2" of PCC (i.e., over and above the standard thickness of 6" PCC); ; Material cost for carrying out Permanent reinstatement of concrete surface for every incremental thickness of 2" of PCC (i.e., over and above the standard thickness of 6" PCC)

60	1100655	3,500	EA	87.20	305,200.00
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M-Z-SOR 6 -100% , M-12.5%

Installation of Copper pipe, Gas meter and associated fittings after MCV (Meter Control Valve) upto all cooking appliances, as detailed in scope of work of tender document including Conversion of domestic cooking appliances: Testing and commissioning of cooking appliances (having burners, grill / oven, etc.) in the premises of the domestic customers, as detailed in scope of work of tender document.; ; Material cost for Installation of Copper pipe, Gas meter and associated fittings after MCV (Meter Control Valve) upto all cooking appliances

70	1100674	50	EA	480.00	24,000.00
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M-Z-SOR 9.2 (Pre-Priced) -100% M

Fixing of crimp guard; ; Material charges for fixing of crimp guard

80	1100676	1,000	M	280.00	280,000.00
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M-Z-SOR 9.3 (Pre-Priced) -100% , M.

Reinstatement inside the premises of society; ; Material charges for reinstatement inside the premises of society

90	1100680	50	M	280.00	14,000.00
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M-Z-SOR 9.5 (Pre-Priced) -100% , M

Reinstatement with paver blocks on roads / footpath; ; Material Charges for Reinstatement with paver blocks on roads / footpath

100	1100694	20	EA	127.80	2,556.00
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M-Z-SOR 9.14 (Pre-Priced) -100% , M (ST)

Removal (downstream of MCV) of the existing copper pipe, gas meter, etc. and re-installation of the same (including shifting of MCV).; ; Material Charges for removal (downstream of MCV) of the existing copper pipe, gas meter, etc. and re-installation of the same (including shifting of MCV).

**Total Order Value: ₹21,526,350.00**

**TWO CRORE FIFTEEN LAKH TWENTY SIX THOUSAND THREE HUNDRED FIFTY RUPEES ONLY**

Tax details for item(s) 00010 = ST14% ND on 100% (MGL50L&Ven50L)

Tax details for item(s) 00030 = Nil ED, VAT-12.50%-ND

Tax details for item(s) 00020 = Nil ED, VAT- 5%-ND

**The estimated value of the contract shall be Rs.2,15,26,350.00 (Rupees Two Crores Fifteen Lacs Twenty**





## WORK ORDER(Cont.)

Vendor Code: 203633

Vendor Name:

Future Projects

WO No: MGL/C&P//4100005102/2015-16/HJ

WO Date: 29.10.2015

**Six Thousand Three Hundred Fifty only). Service Tax and VAT shall be paid extra at actuals.**

### Header text :

ZONE # 2 # Vashi, Sanpada - DRS # 118 A, B & 119.

### Performance Bank Guarantee/SD

Security Deposit:

Security Deposit for contract performance in the form of Bank Guarantee as per proforma at (Appendix - PBG) or DD in favour of Mahanagar Gas Limited, payable at Mumbai shall be submitted. The security deposit shall be for 10% of contract value (excluding Taxes & Duties), valid till the contractual completion time plus 12 months. The Security deposit shall be submitted within 15 days from the date of issue of Letter of intent/Work order whichever is earlier. The Security Deposit for performance, if submitted in the form of BG, shall be from a Nationalized Bank /Scheduled Bank / Cooperative Schedule Bank / Multi National Bank / Reputed Foreign Bank only. No interest on security deposit shall be paid.

Alternatively, Service Provider may submit BG towards security deposit for 5% of contract value and balance 5% shall be deducted from their running bill @ 10% till the amount becomes 5% of the contract value.

### INDEMNITY BOND:

You shall submit the Indemnity Bond as per proforma at (Appendix - IB) against free issue of material / goods supplied to the contractor by MGL, which is equivalent to the value of Rs. 25 Lacs.

### General Condition of Contract

The General Condition of Contract shall be as per Tender No.: MGL/C&P/PLNG/1447/15-16/PM Dated: 23.09.2015.

### Special Conditions of Contract

The Special Condition of Contract shall be as per Tender No.: MGL/C&P/PLNG/1447/15-16/PM Dated: 23.09.2015.

### Terms of payment

Payments Terms shall be as per Tender No.:MGL/C&P/PLNG/1447/15-16/PM Dated: 23.09.2015.

### Other contractual stipulations

You shall comply with all the necessary statutory formalities required for the work. The agency should take care of PF, ESIC, Accident insurance & other incidental expenses and provision of Labour Act as applicable. You may collect form V From AVP - (HR & ADMIN) for taking necessary actions at your end (i.e. for registration with Labour Commissioner).





## WORK ORDER(Cont.)

Vendor Code: 203633  
Vendor Name:  
Future Projects

WO No: MGL/C&P//4100005102/2015-16/HJ  
WO Date: 29.10.2015

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Please send us a copy of this Work order duly signed as token of acceptance

Yours Truly,

for MAHANAGAR GAS LTD.

*July 30/10/15*

f (Authorized Signatory)  
Rakesh Chawla  
General Manager (Finance)

*f*



# MAHANAGAR GAS LTD.

## DOCUMENTS CHECK LIST FOR SERVICE PROVIDER

(Service providers / Contractors shall ensure the following documents are enclosed while submitting the bills / invoice to the Engineer In-charge)

WO No.:

WO Date:

We M/s \_\_\_\_\_ hereby confirm that we have submitted following set of documents along with the bills / invoice to the Engineer In-charge.

Sr.No.	Documents	Submitted	Not Applicable (NA)
1	Original Tax Invoice (with Service No., Service Tax No., Service Tax Category and Service Tax breakup, VAT declaration as per Maharashtra Value Added Tax Act 2002, if VAT is applicable)		
2	Test Certificate and Reports / Measurement Sheet / Drawings or any other mentioned in the Tender.		
3	No Dues / No Claim Certificate (to be submitted while submitting Last Bill / Invoice of the contract).		

(Please tick all sections)

Place:

Date:

Signature of Service Provider with the seal of the firm

Name and Designation & Contact No of Authorized Person

### Billing address for Tax Invoice:

(Engineer In-charge)  
Mahanagar Gas Ltd.,  
City Gate Station,  
Opp. Anik Bus Depot,  
Near Everard Nagar,  
Sion (East),  
Mumbai - 400022.  
Tel : 022 - 24012451  
Fax: 022 - 24010080

Or

Mahanagar Gas Ltd.,  
MGL House, Block No.G-33,  
Opp. ICICI Tower,  
Bandra Kurla Complex,  
Bandra (East),  
Mumbai-400 051.  
Tel : 022 - 66785000  
Fax: 022 - 26541046/26540092

### MGL's Statutory Details

VAT Tin No. :27390000364V

CST Tin No. :27390000364C

Excise No. :AABCM4640GXM001, Range - 03, Division - Chembur -I,  
Commissionerate - Mumbai - II

