



GREEN GAS LIMITED

CNG AND CITY GAS DISTRIBUTION PROJECT

**BID DOCUMENT
FOR
DOMESTIC & COMMERCIAL METERS
VOLUME – II OF II (TECHNICAL)**

(BID DOCUMENT NO: 110326/WGI/GGL/02-R0)

INTERNATIONAL COMPETITIVE BIDDING



DELIVERS. EVOLVES.

WHOLE LIFE SOLUTIONS FOR PIPELINE AND SUBSEA SYSTEMS

ISSUED BY



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1.0 SCOPE OF SUPPLY

This Specification covers, supply of Domestic & Commercial Meters to be used in City Gas Distribution for Lucknow & Agra City in the state of Uttar Pradesh.

The scope of supply covers design, engineering, manufacture, inspection, testing, supply, shipment, warranty and documentation requirements of these items in accordance with the requirements of this Requisition.

ITEM NO. 1 TO 2

Commercial Meter– (Commercial Consumer)

Item No.	Diaphragm Type Commercial Meter	Quantity Required	Process Conditions
1	G10 (Commercial Meter)	18	1) Flow rate: 384 SCMD (16 SCMH) 2) Operating Pressure:110 mbar(g)
2	G4 (Commercial Meter)	26	1) Flow rate: 144 SCMD (6 SCMH) 2) Operating Pressure:110 mbar(g)

ITEM NO. 3 TO 4

Domestic Meter - (Domestic Consumer)

Item No.	Diaphragm Type Commercial Meter	Quantity Required	Process Conditions
3	LHS Inlet : G1.6 – Domestic Meter	12000	1) Flow Capacity : 2.5 SCMH 2) Operating Pressure: 21 mbar(g)
4	RHS Inlet : G1.6 – Domestic Meter	3000	1) Flow Capacity : 2.5 SCMH 2) Operating Pressure: 21 mbar(g)

2.0 REMARKS

2.1 Supplier's Compliance

Supplier shall submit his bid in full compliance with the requirements of this MR and attachments. Bidder shall include the following statement in his bid:

We certify that our bid is fully complying with your enquiry dated and referenced

Compliance with this material Requisition in any instance shall not relieve the Vendor of his responsibility to meet the specified performance.

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2.2 Compliance with Specification

The supplier shall be completely responsible for the design, materials, fabrication, testing, and Inspection, preparation for shipment & transfer of above material to nominated delivery point strictly in accordance with the MR & all attachments thereto.

2.3 Supplier's Scope

Supplier's scope of work includes the equipment with all internals & accessories shown on the data sheets, specifications and all parts necessary for a satisfactory operation & testing except those which are indicated to be out of Supplier's supply.

2.4 Inspection

Supplier shall submit with his bid a list of 3 well known international Third Party inspection Agencies as per enclosed vendor list, which he intends to use for inspection. This agency will issue all relevant certificates as per specification & codes.

Inspection shall also be performed by a designated Third Party Inspection agency and/or purchaser as set out & specified in the codes & particular documents forming this MR.

3.0 SPECIAL INSTRUCTIONS TO BIDDERS

3.1 Bidder to note that no correspondence shall be entered into or entertained after the bid submission.

3.2 Bidder shall furnish quotation only in case he can supply material strictly as per this Material Requisition and specification/data sheets forming part of Material Requisition.

3.3 If the offer contains any technical deviations or clarifications or stipulates any technical specifications (even if in line with MR requirements) and does not include complete scope & technical/ performance data required to be submitted with the offer, the offer shall be liable for rejection.

3.5 The submission of prices by the Bidder shall be construed to mean that he has confirmed compliance with all technical specifications of the corresponding item(s).

3.6 Supplier must note that stage wise inspection for complete fabrication, testing including raw material inspection to be carried out.

3.7 Vendors for bought out items to be restricted to the approved vendor list attached with Bid document. Approval of additional vendor if required, for all critical bought out items shall be obtained by the supplier from the purchaser before placement of order. Credentials/ PTR of the additional vendor proposed to be submitted by supplier for review and approval of Purchaser/ Purchaser's representative well in advance.

All material shall be delivered at Company's designated storage yard. The destination for delivery of items is at Lucknow & Agra City in the state of Uttar Pradesh.

3.8

4.0 INFORMATION/ DOCUMENTS / DRAWINGS TO BE SUBMITTED BY SUCCESSFUL BIDDER

Successful Bidder shall submit 3 copies unless noted otherwise, each of the following:

4.1 Inspection & test reports for all mandatory tests as per the applicable code as well as test reports for any supplementary tests, in nicely bound volumes.

4.2 Material test certificates (physical property, chemical composition, make, heat treatment report, etc.) as applicable for items in nicely hard bound volumes.

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- 4.3 Statutory test certificates, as applicable.
- 4.4 Filled in Quality Assurance Plan (QAP) as per relevant Indian / International Code or Practice (latest version) for Purchaser's/ Consultant's approval. These QAPs shall be submitted in four copies with in 15 days from LOI/ FOI.
- 4.5 WPS & PQR, as required.
- 4.6 Within two (2) weeks of placement of order, the detailed fabrication drawings along with process and mechanical design calculations for Purchaser's/Consultant's approval.
- 4.7 Detailed completion schedule activity wise in Primavera / Bar Chart, within one week of placement of order.
- 4.8 Weekly & fortnightly progress reports for all activities including procurement.
- 4.9 Purchase orders of bought out items soon after placement of order.
- 4.10 Manufacturer's drawings for bought out items, in 4 copies, for Purchaser's/Consultant's approval within 4 weeks.
- 4.11 Manufacturer related information for design of civil foundation & other matching items within 4 weeks of FOI / LOI.
- 4.12 All approved drawings/ design calculations/ maintenance & operating manuals & documents as well as inspection and test reports for Owner's/ Consultants reference/ record in nicely category-wise hard bound volumes separately.
- 4.13 A list of documents to be furnished along with supply.

Note: All drawings, instructions, catalogues, certificates, approvals, etc., shall be in English language and all dimensions shall be metric units.

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**GREEN GAS LIMITED
CITY GAS DISTRIBUTION**



SPECIFICATION FOR DOMESTIC & COMMERCIAL DIAPHRAGM METER					CLIENT JOB NO.		-
					TOTAL SHEETS		7
DOCUMENT NO	11	0326	02	11	06	006	



0	11/07/11	ISSUED FOR TENDER	PS	MLS	MLS
A	5/04/11	ISSUED AS IDC	PS	MLS	MLS
REV	DATE	DESCRIPTION	PREP	CHK	APPR

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1.0 SCOPE

This specification defines the minimum basic and technical requirements for the design and supply of the natural gas flow meter & regulator: G1.6 for Domestic Consumers and G 4 / G 10 for Commercial Consumers of Lucknow & Agra City (in the state of Uttar Pradesh.) Gas Distribution project.

2.0 GENERAL

2.1. DEFINITIONS

Subject to the requirements of the context, the terms (hereafter listed in alphabetical order) used in this specification are given the following meaning:

AGREEMENT	Designates the agreement concluded between the CLIENT and the CONTRACTOR, under which the latter undertakes to the former the GOODS and/or SERVICES according to the stipulations which are agreed and specified in the form of an order.
CLIENT	Designates the purchaser of the GOODS and/or SERVICES which are the subject of the AGREEMENT.
CONTRACTOR	Designates the individual or legal entity with whom the order has been concluded by the CLIENT. The term "CONTRACTOR" may be used indifferently for a supplier, a manufacturer, an erection contractor, etc.
DAYS - WEEKS - MONTHS	Specify the number of calendar days, weeks or months and not of working days, weeks or months.
ENGINEER	Designates WOODGROUP INDIA Private Limited; New Delhi and its associates, if any, to which the CLIENT has entrusted various tasks in relation with the carrying out of his PROJECT.
GOODS and or SERVICES	Designate, depending on the case, all or part of the drawings or documents, substances, materials, equipment, structures, plant, tools, machinery, ... to be studied , designed, manufactured, supplied, erected, built, assembled, adapted, arranged or put into service by the CONTRACTOR under the agreement, including all the studies, tasks, works and services specified by the order. The terms GOODS or SERVICES may by indifferently used one for the other as required by the context.
PROJECT	Designates the aggregate of GOODS and/or SERVICES to be provided by one or more CONTRACTORS.

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2.2. CODES, STANDARD AND LEGAL REQUIREMENTS

The design, construction, materials, testing of the meter shall be in accordance with the International codes and standards mentioned in the present specification and with the codes, standards and legal requirements as applicable for the PROJECT.

2.3. REVIEW AND/OR APPROVAL

Whenever CLIENT and/or ENGINEER review and/or approval is requested on a document to be submitted by the CONTRACTOR or before an action is implemented by the CONTRACTOR, such review and/or approval shall always be requested in writing by the CONTRACTOR to the CLIENT and/or the ENGINEER before any action subject of this review and/or approval is taken.

CLIENT and/or ENGINEER approval shall always be given in writing.

3.0 GENERAL DESCRIPTION

The supply of the gas meter shall cover as a minimum the design, manufacture, assembly, calibration, test and commissioning of the meters and safety associated devices. The package shall also include all the necessary control equipment with enclosures suitable for the working environment.

4.0 DESCRIPTION OF THE METER

For detailed specification refer respective data sheets.

Design and construction, testing and type approval of the meter shall be as per BS 4161 Part 6 / BS EN 1359:1999 / EEC / OIML standards.

Domestic Meter shall be with steel case and suitable for Indoor environment while, Commercial Meter shall be suitable for indoor and outdoor installation.

Index scale shall be in Metric Unit and max. Index reading shall be 99999.999.

Meter shall be suitable for -2°C to 60°C temperature.


CONTRACTOR to furnish the following information, as a minimum:

- a) Max. Working pressure
- b) Test Pressure
- c) Size of the meter
- d) Weight of the meter
- e) Painting details
- f) Min. & Max. Flow Rates
- g) Meter End connection details

5.0. LIMITS OF SCOPE

The scope of the CONTRACTOR includes:

- Detailed drawings and calculations;
- Assistance to third party/authority examination;

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- Design fabrication, assembly and testing of the complete meter;
- Spare parts for two years operation;
- Mechanical tests;
- Material certificates;
- Non destructive tests;
- Performance tests;

6.0 PAINTING REQUIREMENTS

6.1 GENERAL

Painting of the meter shall be carried out in works. The system of painting and finishing shall be of approved colour and quality.

6.2 GALVANIZING

Galvanizing shall be hot dip galvanizing in accordance with BS 729, "Hot Dip Galvanized Coatings on Iron and Steel Articles". Bolts, nuts and washers together with other threaded components used as Fasteners shall be finished with a Centrifuged Galvanized coating in accordance with this Standard.

All drilling, punching, stamping, cutting and bending of parts together with welding and removal of burrs shall be completed before articles are galvanized in accordance with BS 729.

7.0 INSPECTION AND TESTING

7.1 GENERAL

The extent of inspection and testing shall be in accordance with this specification and other applicable international standard and worldwide engineering practices.

All parts of the meter shall be tested in accordance with applicable codes, standards and local regulations.

The CONTRACTOR shall produce a system setting schedule for meter which require setting or calibration and shall produce calibration sheets as evidence that they have been set correctly.


Hydrostatic tests:

All pressure containing parts shall be subjected to a hydrostatic test at a pressure of not less than 1.5 times the maximum working pressure. Water containing corrosion inhibitor used for hydro-testing shall be clean and fresh (not recycled from a holding tank).

The pressure shall be held for a sufficient period to permit complete examination of the parts under pressure. This period shall not be less than 30 minutes. Any leakage shall result in rejection

Testing and inspection shall be performed on all assemblies, subassemblies and component equipment/materials in accordance with but not be limited to the following list of activities:

- Visual inspection,

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- Dimensional checking,
- Pressure testing,
- Non destructive testing,
- Functional / performance testing.

Note: acceptance criteria shall be in accordance with the relevant codes and standards. If criteria are not found in the codes and standards, the CONTRACTOR shall propose them in the quality control procedures.

The CONTRACTOR shall confirm all materials and NDT tests which he proposes to carry out during manufacture and erection, in accordance with the requirement.

Third party inspection: the CONTRACTOR shall be fully responsible for appointing the same.

Certain tests and inspection shall be witnessed by the CLIENT and/or his agent. The scope of tests and inspection are to be proposed by the CONTRACTOR for the review and approval of the CLIENT along with appropriate "Hold Points, witness points and review points".

Where any defects are found it is the responsibility of the CONTRACTOR to bear all costs in repairing the defective part. Under no circumstances may repair or welding of castings, forging or other defective parts be carried out without the written consent of the CLIENT and third party inspection. Proof of effectiveness of each repair by way of radiography and/or non-destructive testing technique, as required by the CLIENT shall be furnished by the CONTRACTOR.

The CONTRACTOR shall propose a programme of tests and submit relevant test procedures for review and agreement of the PURCHASER.

This enquiry specification lists specific tests which the CLIENT requires, but shall not preclude the CLIENT's right to call for further tests if he considers these necessary.

All welders engaged on fabrication either in the manufacturer's works or on site and on any weld repairs subsequently found necessary shall, before undertaking welding, satisfactorily complete procedure and qualification tests as per applicable code.


7.2 INSPECTION

The CONTRACTOR shall allow for inspection of the meter and witnessing of tests by the CLIENT's representative at the CLIENT's discretion. To permit the CLIENT to be present the CONTRACTOR shall give not less than seven days notice of his intention to carry out tests or of material being available for inspection.

Subsequent to order placement the CONTRACTOR shall submit a Quality Assurance and Inspection plan identifying CONTRACTOR, CLIENT and third party inspection activities for approval. The CLIENT shall be permitted to unrestricted access to the CONTRACTOR's works, and those of his sub suppliers, in pursuance of his inspection activities.

8.0 GUARANTEE

The CONTRACTOR shall guarantee that the equipment furnished is free from fault in design, workmanship, and material, and is of sufficient size and capacity, and is of proper material, to fulfill satisfactorily the operating conditions specified. Should any defect in design, material workmanship or operating characteristics develop during the first year of operation, but not later than 18 months after shipment from supplier's plant, the CONTRACTOR agrees to make all necessary or desirable alterations, repairs, and replacements of defective equipment, free of charge, and shall pay all costs and fees necessary to repair all defects or failures. No allowance will be made for alterations or repairs made by

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others without written consent or approval of the CLIENT. If the defect or failure to function cannot be corrected, the CONTRACTOR agrees to replace promptly, free of charge, said equipment or to remove the equipment and refund the full purchase price. In no case the CONTRACTOR will be responsible for contingent liability.

The CONTRACTOR shall correct any error or failure that affects the functional performance of the Gas Meters.

LONG TERM SUPPORT:

The CONTRACTOR shall present reasonable assurances that meter will not be obsolete in the next ten years.

9.0 PREPARATION BEFORE PACKING


After testing, each meter shall be dried, cleaned, prepared and suitably protected for dispatch in such a way as to minimize the possibility of damage and deterioration during transit and storage.




Openings shall be covered to prevent dirt from entering the instrument interior.




Threaded connections shall have thread protectors that also exclude dirt.

Covers securely fastened to the flanges shall protect flange faces.

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TECHNICAL DATA SHEET FOR DIAPHRAGM TYPE DOMESTIC METER - G1.6					
General	Service	Natural Gas			
	Standard	Approved to EEC and OIML Standard. Note:1			
	Connection Orientation	Left side inlet and Right side outlet type -I quantity as per MR / SOR of tender	Right side inlet and Left side outlet type -II quantity as per MR / SOR of tender		
	Installation	Suitable for Out Door and in-door Installations, tamper proof and corrosion resistance for a life period of 20 years.			
Process Condition	Q max.	2.5 m3/hr			
	Q min.	0.016 m3/hr			
	Accuracy Class	± 3% (Qmin. to 0.1 Qmax.) , ± 1.5% (0.1 Qmax. to Qmax.) as per EN1359			
	Range Ability	1:150 or better			
	Operating Pressure	21 - 24 mbar (g)			
	Pressure loss	Less than 2 mbar (g)			
	Design Pressure	500 mbar (g)			
	Operating Temperature	0 degree C to 60 degree C			
Body	Case work / body	Casing and Body of steel conforming to ASTM A216 WCB and water proof.			
	Corrosion Protection	All part of the meter shall be corrosion resistant & suitable coating on inside and out side casing.			
	End Connections	3/4" NPT inlet and outlet conforming to ANSI B1.20.1 (incase the end connections are differing, bidder to provide suitable adopter of approved quality to meet the specified end connections).			
	Fire Resistance	As per BS EN 1359:1999/ BS 4161 or Equivalent.			
Index	Max Index Reading	0 0000.000			
	Unit	CM(Cubic Meter)			
	Marking on Index details	GREEN GAS LIMITED			
	Ingress Protection	IP 65 and above			
Internals	Diaphragm	Polyester fabric coated with rubber on either side of equipment for an endurance life cycle of 2000 hrs. as per EN 1359.			
	Other Internals	All meter internals shall be non-metallic to immune from tampering like with magnet.			
Others	Leak testing	Meter pressurized with air at 1.5 MAOP of the meter, immersed in water for observance of leakage.			
	Automatic Meter Reading System.	The gas meter should be compatible for implanting the automatic meter reading system at a later stage by retrofitting an appropriate signal transmitting device, shall be retrofittable pulse transmitter.			
	Noise	Very low, Vendor to specify.			
	Reverse Flow Restrictor	Meter shall be equipped with prevention of reverse rotation of Index.			
	Air Proof ability	No leakage			
	Cyclic Volume	Vendor to furnish			
	Test Period : Leak Testing	Vendor to furnish			
Permissible error	Vendor to furnish				
NOTE:					
1	The meter shall be approved for Design, manufacture, construction, testing and type approval in accordance with the requirement of BS EN 1359:1999 or equivalent and as per the requirement of this data sheet. Dial plate shall be marked with EEC/MID marking upto 3 points.				
2	The Vendor shall provide calibration certificate and accuracy (at 3 points at atmospheric pressure) of the meter for flow rates of Qmin, 0.2 Qmax, Qmax. The model approval should be from FCRI or DVGW or equivalent authorities and also calibration certificate shall be obtained for Model type from Local Weights & Measures Authorities..				
3	<p>The Vendor shall submit, along with the offer, the manufacturing standards, model number, performance curve, approvals of the statutory bodies and technical details of the model offered. The offered meters shall be from approved vendor list of WGI/GGL.</p> <p>a) Dimensional outlet with mounting details with model number, Part list and technical literatures.</p> <p>b) Connection by purchaser.</p> <p>c) Installation, Operation and Maintenance Instruction manual.</p> <p>d) Testing and Inspection Procedure</p> <p>e) Test, Calibration and certificate from statutory bodies.</p> <p>f) Test certificate covering each meter supplied conforming the accuracy of registration in accordance with the requirement of BS EN 1359:99 or equivalent.</p>				
4	End connections shall be provided by plastic caps.				
5	The meters shall be indelibly marked with details of maximum flow, direction of flow ,maximum operating pressure, name of manufacturer, model serial number, date of manufacturing etc along with name of client:GREEN GAS LIMITED.				
6	Deleted				
7	Center to center distance between inlet & outlet connection should be 110 mm.				
8	Flow capacity in SCMh shall be calculated considering maximum outlet pressure & operating Temperature.				
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TECHNICAL DATA SHEET FOR DIAPHRAGM TYPE COMMERCIAL METER					
General	Service	Natural Gas			
	Standard	Approved to EEC and OIML Standard. Note:1			
	Installation	Suitable for In Door and Out Door Installations, tamper proof and corrosion resistance for a life period of 20 years			
Process Condition	Flow Capacity	Refer Below Table			
	Accuracy Class	±3% (Q min to 0.1 Q max) , ± 1.5% (0.1 Q max to Q max) as per EN 1359.			
	Range Ability	1:150 or better			
	Normal working Pressure	0.3 bar(g)			
	Max.Working Pressure	0.5 bar(g)			
	Design Pressure	1.0 bar (g)			
	Specific Gravity	0.6			
	Cyclic Volume	Vendor to specify.			
	Operating Temperature	0° C to 40 ° C Design 60 ° C			
Body	Case work / body	Suitable for Indoor /Out Door Installations,tamper proof and Corrosion resistance steel.			
	Corrosion Protection	All part of the meter shall be corrosion resistant & suitable coating on inside and out side casing.			
	End Connections	1 1/2" NPT inlet and outlet conforming to ANSI B1.20.1(incase the end connections are differing, bidder to provide suitable adopter of approved quality to meet the specified end connections).			
	Fire Resistance	As per BS EN 1359:1999/ BS 4161or Equivalent.			
Index	Max Index Reading	00000.000 for G4 & G6 Meter & 000000.00 for G10 upto G25 meter.			
	Unit	SCMH			
	Marking on Index details	GREEN GAS LIMITED			
	Ingress Protection	IP 54 and above			
Internals	Diaphragm	Polyester fabric coated with rubber on either side of equipment for an endurance life cycle of 2000 hrs. as per EN 1359.			
	distance connection.	Center to center distance between inlet & outlet connection to be indicated by bidder at the time of bidding.			
	Other Internals	All meter internals shall be non-metallic to prevent from tampering like magnet.			
Others	Leak testing	Meter pressurized with air at 1.5 MAOP of the meter, immersed in water for observance of leakage.			
	Automatic Meter Reading System.	The gas meter should be compatible for implanting the automatic meter reading system at a later stage by retrofitting an appropriate signal transmitting device, shall be retrofittable pulse transmitter.			
	Noise	Very low, Vendor to specify.			
	Test Period : Leak Testing	Very low, Vendor to specify.			
	Reverse Flow Restrictor	Meter shall be provide with a device to prevent the registration of reverse flow.			
NOTE:					
1	The meter shall be approved for Design, manufacture, construction, testing and type approval in accordance with the requirement of BS EN 1359:1999 or equivalent and as per the requirement of this data sheet.				
2	The Vendor shall provide calibration certificate and accuracy (at 3 points at atmospheric pressure) of the meter for flow rates of Qmin, 0.2 Qmax, Qmax. The model approval should be from FCRI or DVGW or equivalent authorities and also calibration certificate shall be obtained for Model type from Local Weights & Measures Authorities..				
3	<p>The Vendor shall submit, along with the offer, the manufacturing standards, model number, performance curve, approvals of the statutory bodies and technical details of the model offered. The offered meters shall be from approved vendor list of WGI/GGL</p> <p>a) Dimensional outlet with mounting details with model number, Part list and technical literatures.</p> <p>b) Connection by purchaser.</p> <p>c) Installation, Operation and Maintenance Instruction manual.</p> <p>d) Testing and Inspection Procedure</p> <p>e) Test, Calibration and certificate from statutory bodies.</p> <p>f) Test certificate covering each meter supplied conforming the accuracy of registration in accordance with the requirement of BS EN 1359:99 or equivalent.</p>				
4	End connections shall be provided by plastic caps.				
5	The meters shall be indelibly marked with details of maximum flow, direction of flow ,maximum operating pressure, name of manufacturer, model serial number, date of manufacturing etc along with name of client: Green Gas Limited.				
6	Flow capacity in SCMH shall be calculated considering maximum outlet pressure & operating Temperature.				
7	The meter shall have the feature of Tempertaure Compensation.				
Table for Flow Capacity					
S NO.	Commercial Diaphragm Meter	Flow Capacity	Quantity		
1	G4	144SCMD / 6 SCMH	As per MR/ SOR of Tender		
2	G10	384 SCMD / 16 SCMH			
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DATA SHEET FOR COMMERCIAL METER			11-0326-02-11-02-007	0	
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**GREEN GAS LIMITED
CITY GAS DISTRIBUTION**



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0	11/07/2011	ISSUED FOR TENDOR	PS	MLS	MLS
A	12/04/09	ISSUED AS DRAFT	MT	PKS	HM
REV	DATE	DESCRIPTION	PREP	CHK	APPR

LIST OF RECOMMENDED THIRD PARTY INSPECTION AGENCY

S.NO	ITEM	NAME OF VENDOR	ADDRESS	PHONE NO	FAX NO
1	Third Party Inspecti on Agency	Tata Projects Ltd	22,Sarvodaya Society, Nizampura,Baroda-390002	0265- 2392863	0265- 2785952
2		Indian Register of Shipping	52 AAdi Shankaracharya Marg Opp. Powai Lake , Powai,MUMBAI,400 072	91-22- 30519400	91-22- 25703611
3		Bax counsel Insepection Bureau Pvt. Ltd.	303, Madhava,Bandra Kurla Complex Bandra(E)-400051	022- 26591526,02 2-26590236	022- 26591526
4		Bureau VeritasQI	The Leela Galleria, 5th floor, Andheri-Kurla Road,Andheri(E), Mumbai-400059	022- 26956300	022- 26956309
5		Germanischer Lloyd	304-305, Anna Salai,Teyanampet,Chennai-600018	044- 24320335	044- 24328186
6		Velosi Certification Serrvices, Mumbai	Velosi Certification Services(I)PVT.LTD,212,SHIVKRUPA Complex Centre,Off Ghokhale Road,Navpada Thane(W)400602	022- 25376770	022- 25426777
7		ABS Industrial Verification Ltd., Mumbai	404,Mayuresh Chambers,Sector- 11,CBD Belapur(E),Navi Mumbai- 400614	022- 27578780 /1 /2	022- 27578784 / 5
8		Certification Engineers International Ltd.	EIL Bhavan, 5th floor,1,Bhikaji Camma Place,New Delhi-110066	011- 26167539,26 102121	011- 26101419
9		Dalal Mott MacDonald	501, Sakar -II, Ellisbridge, Ahmedabad- 380006	079- 26575550	079- 6575558
10		International Certification Systems	E-7,Chand Society, Juhu Road, Juhu, Mumbai-4000049	022- 26245747	022- 22624816 7
11		SGS	SGS India Pvt. Ltd.,SGS House,4B,A.S.Marg,Vikhroli(W),Mumb ai-400083	022- 25798421 to 28	022- 25798431 to 33



**LIST OF THIRD PART INSPECTION
AGENCY**

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Note:

The details of Vendors indicated in this list are based on the information available with WGEIL, BIDDER shall verify the capabilities of each vendor for producing the quantity with proper quality. Purchaser or purchaser representative does not take any responsibility on the performance of the vendor.

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