



RAJASTHAN STATE GAS LIMITED
राजस्थान राज्य गैस लिमिटेड

DATE: 24.10.2025

REPLIES TO BIDDER'S QUERIES

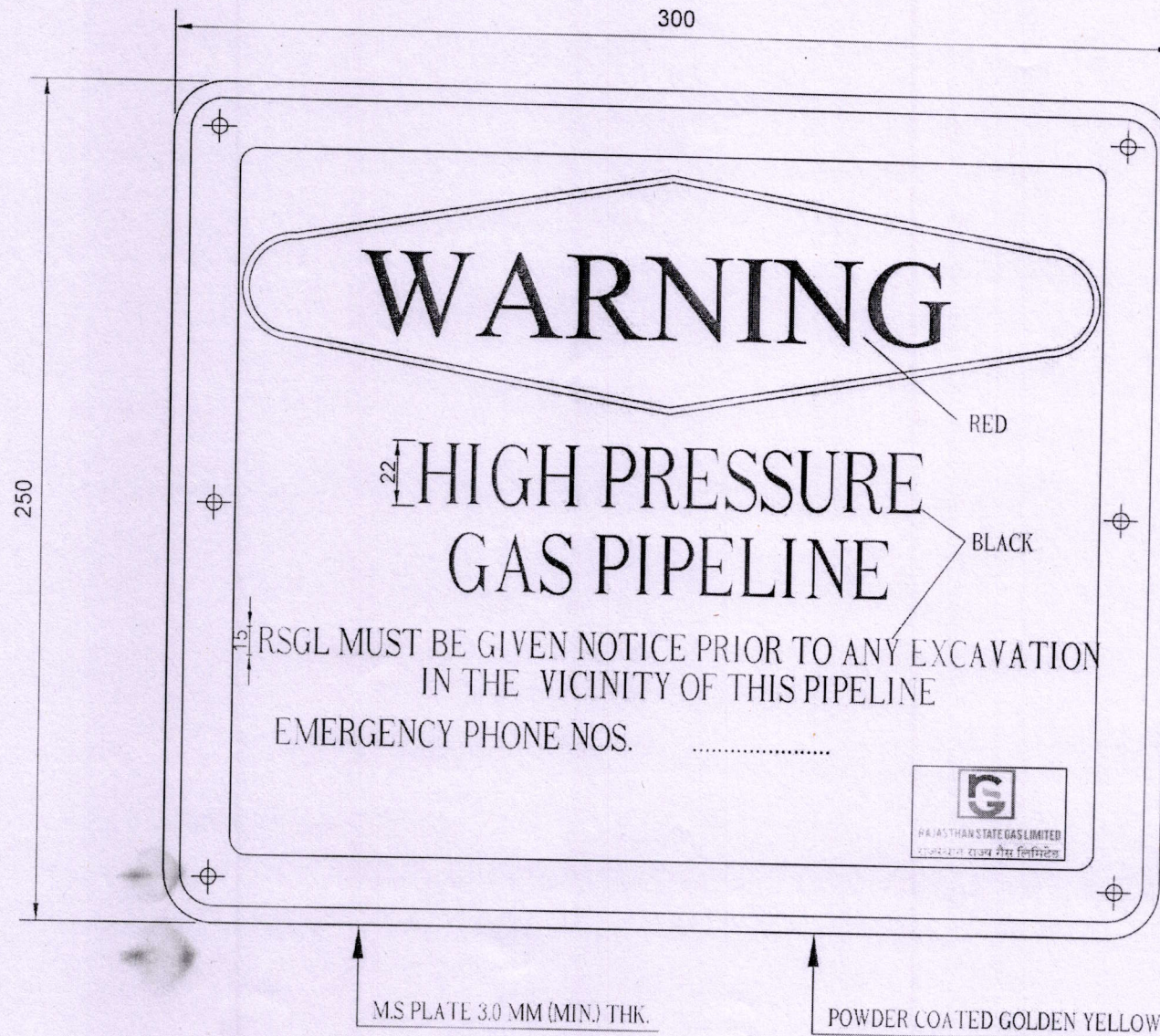
REPLIES TO PRE-BID QUERIES FOR TENDER DOCUMENT FOR HIRING AN AGENCY FOR OPERATIONS AND MAINTENANCE SERVICES FOR CITY GAS DISTRIBUTION NETWORK OF RSGL KOTA GA FOR ONE YEAR

Tender No :RSGL/KOTA/C&P/O&M/2025-26/ NIT-12 dated 18.09.2025

Sl. No.	Reference of Tender Document				Bidder's Query	RSGL's Reply
	Sec No.	Page No.	Clause No.	Subject		
1	SCC, Section-1	199	3.1 & 3.2	Mobilization Period	As per clause 3.1, Mobilization period is 30 days while as per clause 3.2, mobilization period is 15 days. We understand that the mobilization period shall be 30 days from the date of FOA/LOA whichever is earlier. Please confirm.	Please refer Annexure-3 of SCC .The duration of the contract shall be for a period of one (1) years with effect from the date of FOA (Fax of Acceptance) or Letter of Acceptance whichever is earlier excluding mobilization period of 30 days and may be extended by one year on the same rates, terms and conditions, at the sole discretion of Rajasthan State Gas Limited (no consent will be necessary from Bidder for extending the Contract), after requisite approvals. Quoted rates shall remain valid for the tenure of the contract and for extended period if any. Mobilization period shall be Fifteen (30) days from the date of FOA / LOA. Deployment shall be done as per the intimation from EIC. Delay in the start of monitoring jobs after mobilization period of 30 days shall be considered on contractor's account and a penalty of Rs. 50,000/- per week shall be imposed for such delay.
2	SCC, Section-1	199	3.1 & 3.2	Quoted rates shall remain valid for the tenure of the contract and for extended period if any	We understand that the quoted rates shall be applicable for the contract period as well as for extended period if any. However, in case of any revision in min. wages from state govt./central govt, whichever is applicable, the cost implication shall be reimbursed by RSGL. Please confirm.	Plesae refer the clause No. 4 Page No. 230 according to which "The wages for all the employees deployed by the Contractor shall be paid as per the relevant Labour laws & minimum wages applicable as per the circulars of State Govt . during the tenure of the contract. Any revision in minimum wages for next two year shall be taken into account while quoting. no extra payment on account of above shall be payable during the entire contract period and extendable period of one"
3	SCC, Section-1, SOR, Part B	200	Clause no. 9.7, Item no. 26.0	Scope of Supply items	As per SCC, Supply items such as MDPE pipes, fittings, steel pipes shall be provided by Rajasthan State Gas Limited. While as per SoR, Rates has been asked for Providing & fixing of MDPE valves. Please clarify whether we have to supply MDPE valves or same shall be supplied by RSGL.	RSGL Understnding and clarification is , "All the MDPE Fittings excpt Valves and MDPE Pipes shall be in Contractors Scope. MDPE Fittings shall also be in the Scope of Contrcator for all relvent SOR and Scope of Work. The MDPE Pipes and Valves shall be supplied by RSGL.
4	SCC, Section-1	205	Clause no. 29.1 & 29.2	Approval/clearances from statutory authorities and associated charges	We suggest that the contractor scope should be limited for follow up for approvals from statutory authorities. We request that associated charges against approvals should be in scope of RSGL.	Tender Condition shall prevail, However RSGL Understanding is that any and only statutory/Regulatory fee shall be in the scope of RSGL
5	SOW, Section-2	247	Clause No. 32, Table -A,	Manpower	We understand that the deployed manpower of 26 nos. include reliever and will remain fixed through out the tenure of contract. Please confirm.	Tender Condition shall prevail and are self explanatory. The Services for Manpower shall be counted on Deployed Manmonth Basis

6	SOR & SCC, Section-1	199	Part A, Clause no. 3.1 & 3.2,	Contract Period	As per SOR, it is mentioned that the contract period is extendable to 2 year while as per SOW contract period is extendable upto 1 year. Please clarify.	It is clarified that As per SOR, contract period is extendable to 2nd on same cost. Please also refer the Sr. No. 1
7	SoR, Part B	280	Item no. 14	RCC, Plate and Steel Pole Marker	You are requested to please provide drawings of all markers.	Markers drawings is attached vide Annexure-1
8	SCC, Section-1	204	19.2	GI Pipes & Fittings and Cu Tubing's & Fittings shall be in the scope of Contractor.	Please clarify that these qty indicated is for SOR qty only of (SOR 19)	Please read all SOR and tender document. RSGL understanding is that the quantities estimated may change during actual execution.
9	SECTION - 4 SCOPE OF WORK/SERVICES	229	SECTION 2 - MANPOWER –	The contract for Operations & Maintenance of CGD Network in Geographical area of Kota shall be Annual Rate Contract (ARC) for a period of 2 years which can be extended to 1 more year on mutual consent at same rates, terms & conditions.	It is the clause applicable for one year contract & one year extended period. Please confirm.	Please refer the reply vide Sr. No. 1
10	SECTION – 5	Part B	Clause no. 1,2,3 & 5	Hiring of Earth Moving Equipment (JCB), Hydra, RCC/Rock Breakers and Generator set (Diesel/Petrol - up to 30 KVA	As per local market such equipment are made available not on hourly basis. Minimum charges will be 3 hours. Please change SOR accordingly.	RSGL understand that Market condition may differ for diffent time and condition. So Bidder may quote as per SOR. During Actual Billing request may be submitted to RSGL/ EIC on case to case basis with documents (unpriced) to consider for minimum Hous applicability upto 3 hrs. only. Subsequently hourly rates shall be applicable.
11	SECTION – 5	Part B	SOR 9	Laying of MDPE Pipelines with trenchless method - HDD/Boarding Method without Casing in all type of soil including Murom/hard rock etc. (Minimum 200 Mtr Laying Required) All Size piping & Fittings shall be Free issue Material	Against this SOR qty is 10 mtr. Please SOR should be increase	RSGL Understanding is that Tender Condition and SOR to be followed shall and complied and Invoicing and payments shall be made according to Condition of Minimum Criteria. RSGL Further Clarifies to all Bidders that the Tenders is for Annual Rate Contract The quantities may vary as per Tender and SOR conditions as per actual site requirement and condition.
12	SECTION – 4 SCOPE OF WORK/SERVICES	263-267	-	List of Minimum Inventory to be maintained by Contractor at any point of time at each O&M office during the contract period	This inventory is to be made available for what purpose. Since the SOR qty is very low. Even if we are ask to make it available these, RSGL should make the payment for this inventory and balance qty. shall be returned to store	Tender Condition Prevails, However Upon request by Bidders the List of Minimum Inventory is revised as per Annexure-2. However all other Service Levels defined in SOW and SOR and Penal provisions shall remain same irrespective of revised Inventory Levels
13	SECTION – 5	Part B	SOR 31	SUPPLY OF SPARES & MAINTENANCE OF ICCP AT KOTA GA. (Automatic cathodic Protection Rectifier Unit, Manufactured by M/S Raychem RPG So. 11200-12G34)	Please provide Data sheet, Drawings & specification to enable us make the quote.	drawings is attached vide Annexure-3
14	SECTION – 5	SOR	SOR	Reliver	There is no provision in SOR part A1,A2,A4,A5 & A6. Please request you to amendment in SOR	Please refer the Reply vide Sr. No. 5
15	SECTION – 5	Part A	SOR	Overall In charge, Shift In charge, Technician, Control Room Operator, Which category like High skilled/skilled/semi skilled/unskilled	Please confirm	The tender condition shall prevail. RSGL clarifies that RSGL has already defined the Qualification and experience of manpower required for services of O&M only to facilitate the Quality Services
16	SECTION – 5	Part A	Schedule of rates		There is no specific line item provided for guest house for the employees, kindly justify	AS per SOR, The monthly quoted price shall include salary of the manpower deployed, arrangements for boarding Lodging, fooding, expenses for reaching site/offices & back

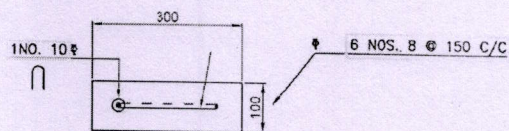
Note: This Reply to Bidder's Query shall form an integral part of the bidding document and shall be signed/stamped and submitted along with the bid.



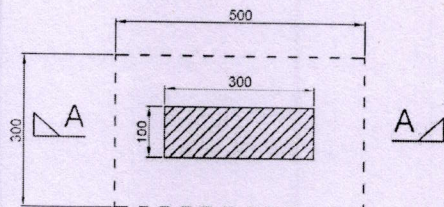
NOTES:-

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. FOLLOW WRITTEN DIMENSIONS ONLY DO NOT SCALE.

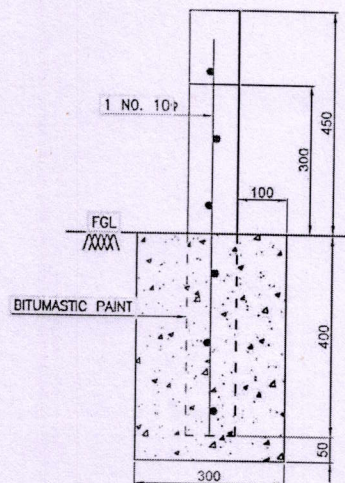
REV.	DATE	DESCRIPTION	PREP.	CHKD.	APPD.
0	26.08.19	ISSUED FOR APPROVAL	DR	RK	MD
CLIENT: RAJASTHAN STATE GAS LIMITED					
PROJECT: CITY GAS DISTRIBUTION PROJECT AT KOTA GA					
SCALE	TITLE				
NTS	PLATE MARKER				
SIZE	CLIENT JOB NO.	DRAWING NUMBER	SHEET	REV.	
A3	1008	1008-30-03-42	1 OF 1	0	



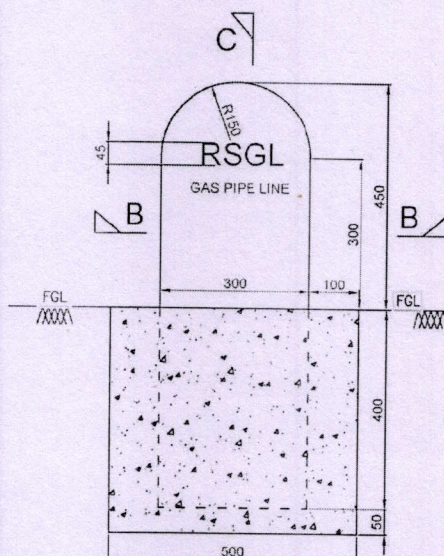
SECTION - B-B



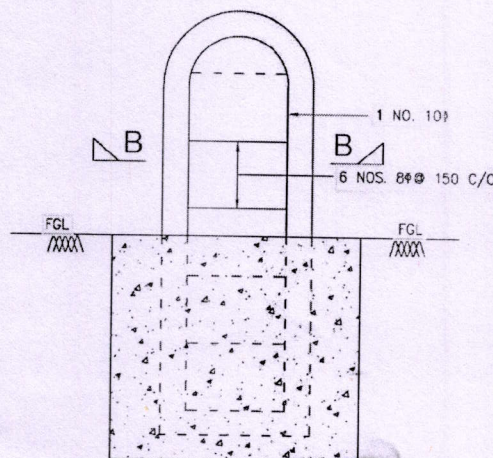
PLAN



SECTION - C-C



**SECTION - A-A
(FOR DIMENSION)**

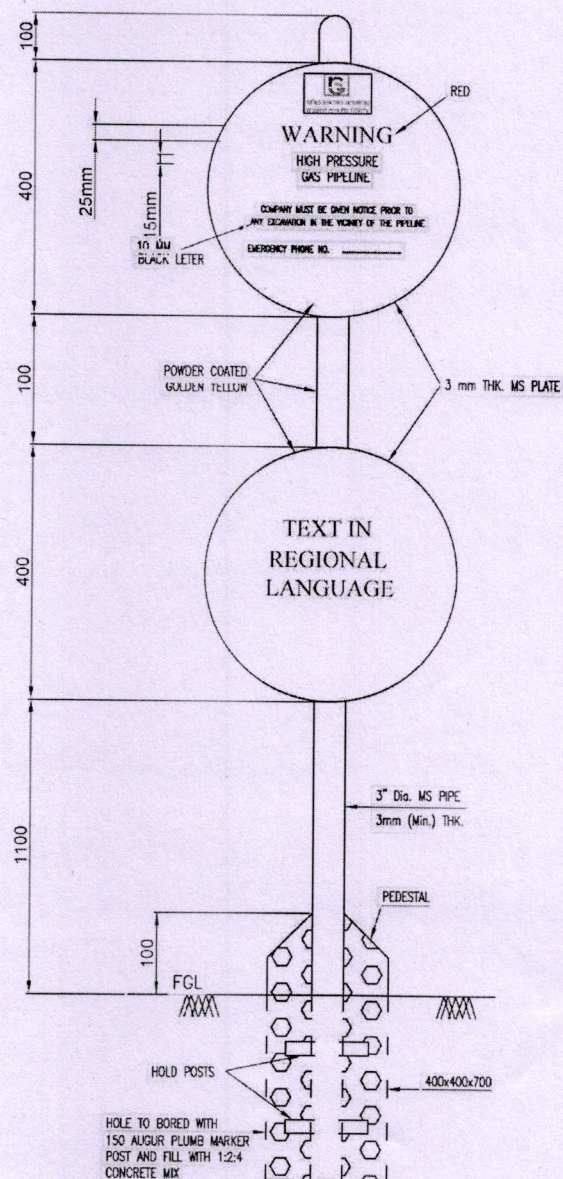


**SECTION - A-A
(FOR REINFORCEMENT)**

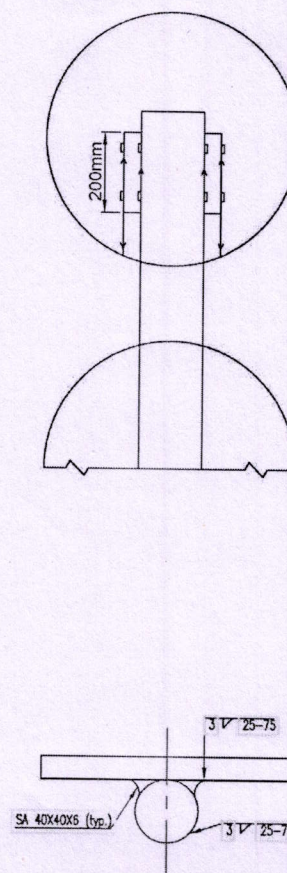
NOTES:-

1. DRAWING IS NOT TO SCALE.
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
3. MARKERS SHALL BE INSTALLED IN EVERY 50 METER INTERVAL AS PER INSTRUCTIONS OF ENGINEER-IN-CHARGE.
4. ALL BOUNDARY MARKERS SHALL BE PRESENT & INSCRIPTION SHALL BE ENGRAVED 5mm DEEP IN THE MOULD ON BOTH FACE.
5. CONCRETE FOR BOUNDARY MARKERS SHALL BE M-20.

0	25.08.19	ISSUED FOR APPROVAL	DK	RK	MD
REV.	DATE	DESCRIPTION	PREP	CHKD	APPD
CLIENT: RAJASTHAN STATE GAS LIMITED					
PROJECT: CITY GAS DISTRIBUTION PROJECT AT KOTA GA					
SCALE	TITLE				
NTS	SKETCH FOR RCC ROUTE MARKER				
SIZE	CLIENT JOB NO.	DRAWING NUMBER	SHEET	REV.	
A3	1008	1008-30-03-38	1 OF 1	0	



FIXING DETAILS



NOTES:-

1. THE FIELD WRITINGS AND SIZES ONLY INDICATIVE AND ARE SUBJECT TO THE APPROVAL BY OWNER/OWNER'S REPRESENTATIVE BEFORE FABRICATION.
2. SUPPLY FOR POWDER COATING AND COLORING. ONE COAT OF PRIMER & TWO COATS OF SPECIFIED PAINTS. ALL LETTERS EXCEPT WARNING TO BE PAINTED BLACK.
3. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
4. APPROVAL OF WARNING MARKER DESIGN SHALL BE OBTAINED BEFORE THE COMMENCEMENT OF WORK.

0	26.08.19	ISSUED FOR APPROVAL	DK	RK	MD
REV.	DATE	DESCRIPTION	PREP.	CHKD.	APPD.
CLIENT: RAJASTHAN STATE GAS LIMITED					
PROJECT: CITY GAS DISTRIBUTION PROJECT AT KOTA GA					
SCALE	TITLE				
NTS	POLE MARKER WITH FOUNDATION				
SIZE	CLIENT JOB NO.	DRAWING NUMBER	SHEET	REV.	
A3	1008	1008-30-03-30	1 OF 1	0	

ANNEXURE-2

(Reply to Bidders Queries for Hiring an Agency for Operations and Maintenance Services for CGD Network of RSGL KOTA GA-NIT122526)

List of Minimum Inventory to be maintained by Contractor at any point of time at each O&M office during the contract period.

Note: All PE Fittings shall be PE 100 SDR as applicable and black color.

Sr No	Name of Material	UOM	Make	Minimum QTY
A	PE Pipes, Electro Fusion Fitting & it's related materials			
1	PE Coupler 125 mm	Nos.	Georg Fischer (GF)	5
2	PE Coupler 63 mm	Nos.	Georg Fischer (GF)	5
3	PE Coupler 32 mm	Nos.	Georg Fischer (GF)	10
4	PE Coupler 20 mm	Nos.	Georg Fischer (GF)	10
5	PE Elbow 125 mm (90 Deg)	Nos.	Georg Fischer (GF)	2
6	PE Elbow 63mm (90 Deg)	Nos.	Georg Fischer (GF)	4
7	PE Elbow 32 mm(90 Deg)	Nos.	Georg Fischer (GF)	10
8	PE Elbow 20 mm(90 Deg)	Nos	Georg Fischer (GF)	10
9	PE Elbow 125 mm (45 Deg)	Nos.	Georg Fischer (GF)	3
10	PE Elbow 63mm (45 Deg)	Nos.	Georg Fischer (GF)	5
11	PE Elbow 32 mm(45 Deg)	Nos.	Georg Fischer (GF)	2
12	PE Equal Tee 125mm	Nos.	Georg Fischer (GF)	2
13	PE Equal Tee 63mm	Nos.	Georg Fischer (GF)	2
14	PE Equal Tee 32mm	Nos.	Georg Fischer (GF)	5
15	PE Equal Tee 20mm	Nos.	Georg Fischer (GF)	5
16	PE Reducer 125mm x 63mm	Nos.	Georg Fischer (GF)	2
17	PE Reducer 63mm x 32mm	Nos.	Georg Fischer (GF)	5
18	PE Reducer 32mm x 20mm	Nos.	Georg Fischer (GF)	5
19	PE Saddle 125mm x 63mm	Nos.	Georg Fischer (GF)	2

20	PE Saddle 125mm x 32mm	Nos.	Georg Fischer (GF)	2
21	PE Saddle 63mm x 32mm	Nos.	Georg Fischer (GF)	2
22	PE Saddle 63mm x 20mm	Nos	Georg Fischer (GF)	2
23	PE Saddle 32mm x 20mm	Nos.	Georg Fischer (GF)	2
24	PE End Cap 125mm	Nos.	Georg Fischer (GF)	2
25	PE End Cap 63mm	Nos.	Georg Fischer (GF)	5
26	PE End Cap 32mm	Nos.	Georg Fischer (GF)	5
27	PE End Cap 20mm	Nos.	Georg Fischer (GF)	5
28	Transition Fitting 1/2"x 20mm	Nos.	Georg Fischer (GF)	5
29	Transition Fitting 1/2"x 32mm	Nos.	Georg Fischer (GF)	5
30	Transition Fitting 3/4"x 20mm	Nos.	Georg Fischer (GF)	5
31	Transaction Fitting 3/4"x 32mm	Nos.	Georg Fischer (GF)	5
B	G.I. Consumable Material list			
1	GI 1/2" Powder coated Pipe, C-Class	Mtr	Approved vendor	200
2	GI 3/4" Powder coated Pipe, C-Class	Mtr	Approved vendor	50
3	GI 1" Powder coated Pipe, C-Class	Mtr	Approved vendor	10
4	Ball Valve (MCV/IV-1/2")	Nos.	Approved vendor	10
5	Ball Valve (MCV/IV-3/4")	Nos.	Approved vendor	10
6	Ball Valve (MCV/IV-1")	Nos.	Approved vendor	10
7	GI 1/2" Powder coated Coupling	Nos.	Approved vendor	10
8	GI 3/4" Powder coated Coupling	Nos.	Approved vendor	10
9	GI 1" Powder coated Coupling	Nos.	Approved vendor	5
10	GI 1/2" Powder coated Union	Nos.	Approved vendor	10
11	GI 3/4" Powder coated Union	Nos.	Approved vendor	5
12	GI 1" Powder coated Union	Nos.	Approved vendor	2
13	GI 1/2" Powder coated Elbow	Nos.	Approved vendor	10
14	GI 3/4" Powder coated Elbow	Nos.	Approved vendor	5
15	GI 1" Powder coated Elbow	Nos.	Approved vendor	2
16	GI 1/2" Powder coated Plug	Nos.	Approved vendor	10

17	GI 3/4" Powder coated Plug	Nos.	Approved vendor	10
18	GI 1" Powder coated Plug	Nos.	Approved vendor	5
19	GI 1/2" Powder coated Equal Tee	Nos.	Approved vendor	5
20	GI 3/4" Powder coated Equal Tee	Nos.	Approved vendor	5
21	GI 1" Powder coated Equal Tee	Nos.	Approved vendor	2
22	GI 1" x 1/2" Powder coated Unequal Tee	Nos.	Approved vendor	2
23	GI 3/4" x 1/2" Powder coated Unequal Tee	Nos.	Approved vendor	2
24	GI 1" x 1/2" Powder coated Reducer	No's	Approved vendor	2
25	GI 3/4" x 1/2" Powder coated Reducer	No's	Approved vendor	5
26	MALE FEMALE elbow 1/2" Powder coated	No's	Approved vendor	10
27	GI 1" Powder coated Clamp with screw and proper pad	Nos.	Standard Make	10
28	GI 3/4" Powder coated Clamp with screw and proper pad	No's	Standard Make	20
29	GI 1/2" Powder coated Clamp with screw and proper pad	No's	Standard Make	50
30	GI 1" Nipple 1"x2"	Nos.	Standard Make	10
31	GI 1" Nipple 1"x3"	Nos.	Standard Make	10
32	GI 1" Nipple 1"x4"	Nos.	Standard Make	10
33	GI 1" Nipple 1"x6"	Nos.	Standard Make	10
34	GI 3/4" Nipple 3/4"x2"	Nos.	Standard Make	10
35	GI 3/4" Nipple 3/4"x3"	Nos.	Standard Make	10
36	GI 3/4" Nipple 3/4"x4"	Nos.	Standard Make	10
37	GI 3/4" Nipple 3/4"x6"	Nos.	Standard Make	10
38	GI 1/2" Nipple 1/2"x2"	Nos.	Standard Make	10
39	GI 1/2" Nipple 1/2"x3"	Nos.	Standard Make	10
40	GI 1/2" Nipple 1/2"x4"	Nos.	Standard Make	10
41	GI 1/2" Nipple 1/2"x6"	Nos.	Standard Make	10
42	Powder coated Meter Bracket	Nos	Standard Make	10
C	Consumable Material List			
1	Suraksha Rubber Tube, Wire Braided (1 mtr. Long, IS 9573 part IV)	Mtr.	Approved vendor	20
2	Rubber Hose Clamp	Nos.	Standard Make	30
3	Rawal Plug	Nos.	Standard Make	200
4	S.S Screw	Nos.	Standard Make	200
5	Appliance valve (1/2" NPT)	Nos.	Approved vendor	5

ANNEXURE-3

(Reply to Bidders Queries for Hiring an Agency for Operations and Maintenance Services for CGD Network of RSGL KOTA GA-NIT122526)

1	Power supply card-	Configuration: Dual, independent, regulated DC output supplies with a common ground. Output Voltage :- Positive Rail - +12 V DC(+_2%) ,Negative Rail- - 12 V DC(+_2%). Output Current- 250 m Amp.
2	CVCC/Auto Card	Configuration: High input impedance, Filter noise from external reference signal, should feature an internal reference voltage, Adjustabel range :- For Cu/Cuso4 electrode - -0.8 V to - 2.5 V and For Zn electrode - +0.5 V to - 1.5 V.
3	Firing Card	Configuration: Accepts control voltage from either the Control Amplifier Card (Auto-Ref mode) or a manual (AVCC mode) via a mode selector switch.The card shall feature overriding current limit control, it shall equipped with 02 LEDs -Green -indicates card is energized and Red :-indicated presence of firing pulses.
4	Reference Electrode card	Configuration: - Automatically selects and monitors multiple reference electrode inputs.It shall have 03 independent reference input channels.
5	Driver card	Configuration:- it amplifies the low level trigger pulses from firing card to level sufficient for reliable firing of Main power SCRs.
6	SCR	Configuration:- Back to Back, Avg Forward Current(Iav)-106 Amp & Peak Inverse Voltage(PIV)-1600 V.
7	Auxiliary Transformer	Configuration:- Primary voltage:-240 V AC +_10% ,Secondary Voltage & Currents:- Secondary 1- 16 V AC at 300 mA , Secondary 2- 18 V AC at 300 mA , Secondary 3- 18 V AC at 300 mA , rated capacity- 25 VA.
8	CT	Configuration:- Ratio:- 30 A: 1A , Burden : 5VA ,Accuracy Class - 1.0
9	Heat Sink Standard Size	For 50 V 50 AMP Unit
10	Transducer	Configuration: - 4-20 mA converter module(DC Output Voltage), Input -0-60 V DC ,Output- 4-20 mA ,max load- 600 Ohm , Accuracy +_0.5% ,Aux. Supply -240 V AC .
11	Relay card	Configuration: Provides dry contacts for system alarm and fault anninciation. Input signal -1 V DC ,Channels-06 fully isolated relay channels.

12	Electrolyte capacitor	Configuration: -Filter capacitor Bank , 4 x electrolytic capacitors , capacitance per unit - 2500 mF, Voltage Rating per unit - 100 V DC.
13	TR Shunt	Technical Specification: DC Shunt · Application: For DC Ammeter (A2) · Rating: 60A DC · Output: 75mV
14	Bleeder Resister	Application: DC Output · Resistance: 125Ω · Power Rating: 200W · Type: Wire Wound (WW)
15	Digital Meter 42 x96 mm	Technical Specification: AC Voltmeter · Function: AC Input Voltage Measurement · Range: 0 - 750V AC · Type: Digital, 3-1/2 Digit · Operating Supply: 230V AC
16	Current Interrupter Non GPS	
17	Current Interrupter GPS	Technical Specifica on: Interrupter Timer Part No.: PE-CP-TRU-CIGPS-022A · Type: Digital, Programmable with Real-Time Clock and GPS Synchroniza on · Time Se ng Range: 0 - 999.9 Seconds for both ON Time and OFF Time · Se ng Method: Digital Keypad · Control: START, STOP, RESET via local keypad or remote poten al-free contacts · Model: IM 1795AMN-0-HOLOUX · Aux. Supply: 230V AC · Moun ng: 92mm x 92mm cutout
18	Contactor	· Model: 3TF 34 · Coil Voltage: 240V AC · Contact Arrangement: 3 Normally Open (NO) contacts in parallel · Contact Ra ng: 32A per contact (parallel configura on for higher current).
19	Fuse Link	HRC Fuses -25 Amp AC, HRC Fuses (DC Outlets) - 50Amp DC , HRC Fuses (Filter Capacity Bank)- 16 Amp , Auxilary Fuses - 1 Amp.
20	Fuse Holder	
21	POT	Reference Voltage Setter Pot:- Application: Reference Voltage Se ng · Resistance: 500Ω , Output Voltage Setter Potentiometer · Application: Output Voltage · Resistance: 2.5 kΩ · Power Ra ng: 3W · Type: Wire Wound (WW) · Power Ra ng: 3W · Type: Wire Wound (WW), Over Current Setter Potentiometer · Applica on: Over Current Se ng · Resistance: 1.0 kΩ · Power Ra ng: 3W · Type: Wire Wound (WW)
22	Reference Electrode Selector Switch	Type: Cam Operated · Poles: 2 · Posi ons: 4-Way · Range: 6 Amps, 230V

23	Reference Voltmeter Selector Switch	Type: Cam Operated · Poles: 2 · Positions: 8-Way · Range: 6 Amps, 230V AC
24	Toggle Switch	Application: Lamp and Meter Circuits · Configuration: 1-Pole or 2-Pole, ON/OFF · Range: 10A, 240V
25	Variable Resistor for AJB and CJB	
26	LED	Application: System Status and Alarm Indication · Type: LED · Current: 15mA · Color: Red
27	Meter Glass Fuse	· Application: Protection of LED lamps, meters, and auxiliary supply lines. · Range: 1 Amp · Type: Glass Cartridge, Slow Blow (Time-Delay)
28	Meter Glass Fuse Holder	
29	Mother Board	As per design - 50 V & 50 AMP.
30	Display Board	provide comprehensive visual and remote indication of the system's operational status and alarms. Unit in Auto Ref Mode: LED LD8 illuminated. A potential-free contact closes to provide remote indication. Unit in AVCC Mode: LED LD9 illuminated. A potential-free contact closes to provide remote indication. · Under Protection: · Condition: Structure potential below preset limit (e.g., < -0.85V w.r.t. Cu/CuSO ₄). · Indicator: LED LD1 illuminated. A potential-free contact opens for remote indication.
31	Lightening Arrester	Location: AC Input & DC Output · R.M.S. Voltage Range: 500V · Impulse Current Range: 5.0 kA · Type: PL-01
32	Surge Suppressor(MOV)	Application: Protection of SCRs and Diodes · Type: MOV (Metal Oxide Varistor)
33	ON Indicator Lamp	· Function: Mains Power ON Indication · Type: LED · Supply Voltage: 230V AC · Colour: Red · Mounting: 22.5 mm diameter holder
34	AJB/CJB Shunt	· Type: Precision DC Current Shunt · Range: As per system requirement
35	MCB	Application: AC Input Main Isolation & Protection · Poles: 2 · Rated Current: 25A · Type / Trip Characteristics: Type C (C Curve) · Breaking Capacity: 10 kA
36	Auto TRF	
37	Main TRF	Type: Double Wound, Varnish Impregnated, with Electrostatic Shield · Primary Voltage: 240V AC ±10% · Secondary Voltage: 0 - 85V AC · Rated Capacity: 5000 VA · Insulation Class: Class F
38	Choke	Application: DC Output Filtering · Inductance: 7.5 mH · Rated Current: 50A DC

39	SSPC	TECHNICAL DATA Operating Temperature - -20°C to +55°C
40	Surge Divertor	
41	Portable CuCuSo4 Reference Electrode	· Type: Saturated Copper-Copper Sulphate · Body Material: Robust, Non-corrosive · Stability: High stability with low dri characteristics · Accessories: Complete with porous plug and necessary solutions
42	Supply of Mg/Zinc Anode with Backfilling and cable (Wt-10 Kg)	

Lighting Arrestor Specifications is as follows:



Lighting Arrestor Specifications is as follows:

Part Number: PE141TR

Material: Polymer

Breaking Capacity: 500 V

Frequency: 50 - 60 Hz

Connection Type: Threaded

Operating Temperature Range: -20°C to $+70^{\circ}\text{C}$

Fitting: Epoxy-sealed