



AAVANTIKA GAS LIMITED

(A JOINT VENTURE COMPANY OF GAIL & HPCL)

CITY GAS DISTRIBUTION PROJECT IN
INDORE, UJJAIN, PITHAMPUR & GWALIOR
ANNUAL RATE CONTRACT

FOR

DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF
LT PANEL WITH APFC SYSTEM AT INDORE GA AND GWALIOR GA

E-Tender No.: AGL/Head Office/Contract and Purchase/12/25-
26/ET/12 [LT PANEL WITH APFC]

OPEN DOMESTIC COMPETITIVE BIDDING

ISSUE DATE: 29.09.2025

Date & Time for online submission duration of Technical Bid & Price Bid at MSTC Portal:

Important Dates

Pre-Bid Clarification Duration	30.09.2025 to 14.10.2025
Physical Pre-Bid Meeting at AGL HO, Indore	07.10.2025 (11:00 Hrs.)
Date of Start (Live) for Online Submission of Tender	17.10.2025 (12:00 Hrs.)
Last Date & Time of Submission of Tender	29.10.2025 up to 16:00 Hrs.
Date & Time of Opening of Un-Priced (Technical) Bid	29.10.2025 at 16:30 Hrs.



BASIC INFORMATION OF TENDER	
e-Tender Number	AGL/Head Office/Contract and Purchase/12/25-26/ET/12 [LT PANEL WITH APFC]
Mode of Tendering	ONLINE e-Procurement System through https://www.mstcecommerce.com/eproc/ of MSTC Ltd.
Title	POWER DISTRIBUTION LT PANEL WITH APFC INBUILT
Description	Design, Supply, Installation and Commissioning of LT Power Distribution Panel with APFC on ARC Basis for 2 Years
Tender Type	Public
Bid Type	Two Bid
Evaluation Criteria	Overall Lowest Basis
Date of NIT available to firms to download	29.09.2025
Online Pre-Bid Clarification Duration	Start Date & Time: 30.09.2025 (11:00 Hrs.)
	End Date & Time: 14.10.2025 (18:00 Hrs.)
	<p>The e-procurement shall also have the event of online pre-bid meeting duration as detailed mentioned above. For Technical/Commercial clarification(s) (if any), they may bring to the attention of officials of AGL. The queries raised during online Pre-Bid meeting duration shall be replied on line. In the interest of bidder(s), they are also requested to go through the final technical specifications and other terms & conditions, based on the clarifications given during the pre-bid meeting duration and accordingly submit online tender.</p> <p>Query (if any) shall be clarified during online pre-bid meeting, only. After closing of online pre-bid meeting duration, no further queries shall be entertained.</p> <p>Based on the replied queries, Corrigendum may be issued on the MSTC website, which is to be digitally submitted as integral part of the bid.</p> <p>All entries in the tender should be entered in online mode without any ambiguity.</p>
Offline Pre-Bid meeting Date & Time	Bidders also have an option of attending a physical pre bid meeting at AGL, HO Indore Dated 07.10.2024 from 11:00 Hrs. to 12:00 Hrs.
Earnest Money Deposit (EMD):	<p>Bid Security (EMD): 1.90 Lakhs in the form of DD or BG</p> <p>Tender Fee: -Nil</p> <p>Bank details for BG/LC (SFMS) receiving through SFMS: Bank Name: ICICI Bank Limited Bank IFSC: ICIC0000041 Bank A/c No.: 004105013583 Bank Address: ICICI BANK LTD, MALAV PARISAR,4 CHOTI KHAJRANI, A.B. ROAD.INDORE 452008 (M.P), INDORE</p> <p>The bidders bank has to send the below details in the BG SWIFT message to our Banker:</p> <p>77C: Details of Guarantee 7035: ICIC0000041 7036: ICICI BANK LTD, INDORE AC NO 004105013583 7037: AG533170984 Unique Identifier Number (Mandatory) 7038: XXXXX 7039: XXXXXX(XX)DT XX.XX.2024</p> <p>(Note: For Participation in Tender, the Tender Fee has been waived off, however Tender processing charges of MSTC is applicable as per "Special Note towards Transaction fee" of MSTC mentioned in NIT MSTC instruction to bidders Sr. No. 2, Page no. 5 of Tender Document)</p> <p>Bidders registered with NSIC/MSME under its single point registration scheme are exempted from furnishing Bid Security. NSIC / MSME certificate (updated & valid as on due date of submission to be submitted) shall be duly attested by CHARTERED ACCOUNTANT (CA) AND NOTARY PUBLIC WITH LEGIBLE STAMP.</p>

	<p>NOTE: Bidder to upload the copy of EMD or NSIC/MSME Certificate along with the technical part, however copy of the same uploaded document is to be submitted in a separate envelope scribed with the Tender number, Tender Subject, Name of the bidder and Bid due date in physical form within 7 (Seven) days from the due date of submission of bid at the communication address: (PLEASE NOTE THAT CUTOUT SLIP TO BE PASTED OUTER OF THE EMD ENVELOPE WHICH IS ATTACHED AS PAGE No. 08)</p> <p>Contract & Procurement Dept. Aavantika Gas Limited 202-B, NRK Business Park, Vijay Nagar Square, Indore-452010 (M.P) Phone: 0731-4222520</p>
Date & Time of Starting of e-tender for online submission of Technical Bid & Price Bid at https://www.mstcecommerce.com/eproc/	17.10.2025 (12:00 Hrs.)
Date of Closing of e-tender for submission of Technical Bid & Price Bid	29.10.2025 (16:00 Hrs.)
Date & time of opening of Un-Priced Bid/ Technical Bid Date of opening of Part II i.e. price bid shall be informed separately. [Under unforeseen circumstances, if the due dates (i.e. Date & time of opening of Part-I) fall on holiday, the same will be opened on the next full working day at the same time].	29.10.2025 (16:30 Hrs.)
Submission of Tender Document	Only digitally signed copy of all Tender documents will be accepted. Bids submitted in any other form will not be accepted and entertained by AGL and will not be considered for evaluation purpose.
Delay in Submission of online Tender Document	AGL will not be responsible for any delay in submission of online tender documents for any reason, whatsoever.
Good Practices	<ul style="list-style-type: none"> Bidders are advised to submit their online bids timely. Do not wait for last time and avoid last minute of submission. Bidder has to submit copy of EMD or NSIC/MSME Certificate in physical form within seven (07) days from the due date of submission; however, Bidder shall try to TIMELY SEND THE COPY OF EMD or NSIC/MSME CERTIFICATE TO AGL OFFICE

NOTE:

- BIDDERS SHALL ENSURE THAT ALL DIGITALLY SIGNED DOCUMENTS RELATED TO PRE-QUALIFICATION (TECHNICAL OR COMMERCIAL) ARE SUBMITTED AT THE FIRST INSTANCE ALONG WITH THE ORIGINAL BID.**
- UPLOADED ATTESTED & NOTORIZED COPY OF EMD/NSIC/MSME CERTIFICATE TO BE SEND TO AGL OFFICE IN A SEPRATE ENVELOPE SCRIBED WITH THE TENDER NUMBER, TENDER SUBJECT, NAME OF THE BIDDER & BID DUE DATE WITHIN 7 (SEVEN) DAYS FROM THE DUE DATE & TIME OF SUBMISSION OF BID. PLEASE NOTE THAT CUTOUT SLIP TO BE PASTED OUTER OF THE EMD ENVELOPE. THE AGL RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL THE PROPOSALS IN WHOLE OR PART WITHOUT ASSIGNING ANY REASONS.**
- INITIAL STEP FOR ONLINE BIDDING THROUGH MSTC PORTAL IS THAT VENDORS HAVE TO GET REGISTERED IN MSTC PORTAL FOR PARTICIPATING IN ANY UPLOADED AGL E-TENDER. FOR MORE INFORMATION, VENDORS CAN DOWNLOAD VENDOR REGISTRATION GUIDE THROUGH MSTC Portal "<https://www.mstcecommerce.com/eproc/> > Vendor Login > Register > Registration Guide".**



**KINDLY NOTE THAT ONLY ONLINE BID WILL BE
CONSIDERED AGAINST THIS TENDER**

**Website for Online bid Submission:
<https://www.mstcecommerce.com/eproc/>**

**Prior uploading all the Techno-Commercial PDF Tender Documents
on MSTC website please ensure that all the documents should be
Digitally Signed.**

Vendor to Sign (Digital) in the given below box area----->

1. PRE-BID MEETING & QUERIES

Online Pre-Bid queries duration shall be as per the dates mentioned on the Page No.1 of this Tender Document, Also bidder(s) or his official representative has an option to attend an offline pre-bid meeting which will take place as per the date mentioned on Page No.1 of this Tender Document.
Bidder(s) queries if any, must send your queries online through MSTC Portal prior to pre-bid meeting duration end date as per the date mentioned on Page No.1 of this Tender Document.

BID CLARIFICATION AFTER OPENING OF TECHNICAL BID

Important Note: Bidders are strictly advised to upload all the documents along with their bid itself by the due date and time. In the absence of requisite documents submitted along with their bid, AGL reserves the right to evaluate the bids as per the submitted documents only and reject the bid without making any reference to the Bidder.

For any queries/clarification after opening of Technical-Bid, AGL will send only online queries to bidder through MSTC Portal and Bidder has to insure that he will reply the AGL queries online, through MSTC Portal only. No any queries/clarification/reply will be communicated / accepted through email.

AAVANTIKA GAS LIMITED
(A JOINT VENTURE COMPANY OF GAIL & HPCL)

CITY GAS DISTRIBUTION PROJECT IN
INDORE, UJJAIN, PITHAMPUR & INDORE & GWALIOR

NOTICE INVITING TENDER (NIT)

MSTC INSTRUCTIONS TO BIDDERS:

This is an e-Procurement event of **Aavantika Gas Limited**. The e-Procurement service provider is MSTC Ltd., 1st Floor, Tilhan Sangh Bhawan, 1 Arera Hills MPOILFED Building Bhopal-462004 (Madhya Pradesh).

1	<p>Requirement for Vendors: P.C. connected with Internet. Registration with MSTC Portal "https://www.mstcecommerce.com/eproc/" as vendor. Registration is free of cost. The Vendor should possess Class III signing & encryption type digital certificate. Vendors are to make their own arrangement for bidding from a P.C. connected with Internet. MSTC/AGL in no way responsible for this. (Bids will not be recorded without Digital Signature). In case of any clarification, please contact MSTC/AGL (well in advance before the schedule closing time of the e-Tender).</p> <p>CONTACT PERSON at MSTC LTD for Online Assistance:</p> <ol style="list-style-type: none"> 1) MSTC IVRS Helpdesk number: 07969066600 2) Centralized Helpdesk: 033-23400020, 033-23400021, 033-23400022 3) MSTC Bhopal Office numbers: 0755-2552241, 2593772, 2593775, 2593776; 4) Mr. Neeraj Mathur, Dy. Manager, Mob. 8871111473, Email: bplpn4@mstcindia.in, mstcbpl@mstcindia.in, <p>CONTACT PERSON at Aavantika Gas Limited:</p> <ol style="list-style-type: none"> 1) Mr. Varender Sharma, Ch Mngr: Mobile – 98889 25792 / Email: varender.sharma@aglonline.net 2) Mr. Himanshu Shrivastava, Manager, Mobile – 9131099726 / Email: himanshu.s@aglonline.net 3) Mr. Anurag Singh, Engineer: Mobile – 86006 90470 / Email: anurag@aglonline.net 4) cp@aglonline.net 0731-4222520
2	<p>Special Note towards Transaction fee: The vendors shall pay the transaction fee using "Transaction Fee Payment" Link in the vendor login. The vendor shall have the facility of making the payment either through NEFT or Online Payment. On selecting NEFT, the vendor shall generate a challan by filling up a form. The vendor shall remit the transaction fee amount as per the details printed on the challan without making change in the same. On selecting Online Payment, the vendor shall have the provision of making payment using its Credit/ Debit Card/ Net Banking. Once the payment gets credited to MSTC's designated bank account, the transaction fee shall be auto authorized vendor to submit the bid.</p> <p>Transaction fee is non-refundable. A vendor will not have the access to online e-tender without making the payment towards transaction fee. NOTE: Bidders are advised to remit the transaction fee well in advance before the closing time of the event so as to give themselves sufficient time to submit the bid.</p>
3	<p>Vendors are instructed to use "My Document" link in "EVENT" menu to upload all scanned copies of documents viz. testimonials, registration certificates etc. in document library. Hard copies of bidding document will not be considered for evaluation. Multiple documents can be uploaded. Once documents are uploaded in the library, vendors can attach documents through Attach Document link for respective e-Tender.</p>
4	<ol style="list-style-type: none"> a) Technical Bid will be opened electronically on specified date and time as given in the NIT. Bidder(s) can witness electronic opening of bid. b) Price bid will be opened electronically of only those bidders(s) whose Technical Bid is found to be technically acceptable. Such bidder(s) will be intimated date of opening of Price bid, through valid email confirmed by them.
5	<p>SPECIAL NOTE:</p> <ol style="list-style-type: none"> a. Bidders are required to ensure that their registered email ID, provided is valid and updated at the stage of registration of vendor with MSTC. Bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).

- b. Bidders are requested to see the web site once again before the due date of tender opening to ensure that they have not missed any corrigendum uploaded against the said tender after downloading the tender document. **The responsibility of downloading the related corrigendum, if any, will be that of the downloading parties.**
- c. Bidders are also requested to download vendor guide available in login under link "Download Guides" and study the same and post their queries, if any, to MSTC over e-mail well in advance.
- d. Bidders are requested to give sufficient time to bid in an organized manner and report any problem arisen to MSTC in advance & not in the closing stage.

6.0 AVAILABILITY OF TENDER DOCUMENT ON WEBSITE(S):

- 1) **AGL's Tender Website –**
http://www.aglonline.net/index.php?option=com_content&view=article&id=32&Itemid=59
- 2) **MSTC Tender Website –** https://www.mstcecommerce.com/eproc/event_list.jsp

Note - Bidders are requested to visit the website regularly to keep themselves updated.

Bid must be submitted only on <https://www.mstcecommerce.com/eproc/> Bid(s) received from bidders to whom tender/information regarding this Tender Document has been issued as well as offers received from the bidder(s) by downloading Tender Document from above mentioned website(s) shall be taken into consideration for evaluation & award provided that the Bidder is found responsive and subject to provisions contained in Instructions to Bidders.

7.0 All entries in the tender should be entered in online Technical & Commercial formats on the website of MSTC (e-procurement service provider) without any ambiguity.

8.0 Technical bid will be opened online on specified date and time as given in NIT.

9.0 Bidders are instructed to use **Upload Documents** link in **Document Library** to upload documents in document library. Multiple documents can be uploaded. Maximum size of single document for uploading is 5 MB.

Once documents are uploaded in the library, bidders can attach them through Attach Document link against the particular tender. Please note that if documents are not attached to any tender, the same cannot be downloaded by AGL and it will be deemed that vendor has not submitted the documents. For further assistance, follow instructions of vendor guide.

10.0 All notices and correspondence to the bidder(s) shall be sent by email only, till finalization of tender takes place by AGL as well as by MSTC. Hence, the bidders are required to ensure that email address provided by them is valid and updated with MSTC (i.e. service provider). Bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).

11.0 **(a)** At any time prior to the deadline for submission of online tender, the AGL may for any reason, modify the Tender. Please note that there is no provision to take out list of parties downloading the RFP/ tender document from the web site mentioned in NIT. As such, bidders are requested to see the web site once again before the due date of opening to ensure that they have not missed any corrigendum uploaded against the said Tender after downloading the Tender document. The responsibility of downloading the related corrigendum, if any, will be of the bidder only.

(b) Intimation in respect of corrigendum to this NIT (if any) will be sent through email to tenderer(s) who have downloaded the documents from the website. Please see also website <https://www.mstcecommerce.com/eproc/> of MSTC Ltd. The AGL reserves the right to accept or reject any or all the proposals in whole or part without assigning any reasons.

12.0 E-tender cannot be accessed after the due date and time mentioned in NIT.

13.0 **Bidding in e-Tender**

- 1) Bidder to upload the copies of EMD/MSME/NSIC along with the technical part, however original copy of the same to be submitted in physical form within 7 (Seven) days from the due date of submission of bid. Refund of EMD in case of submission of DD will be made through e-payment or manual cheque (As per Tender terms).
- 2) The process involves Electronic Bidding for submission of Technical bid as well as Priced / Commercial bid.
- 3) Only those bidder(s) who have submitted the above fees can submit their Technical and Commercial bid through internet in MSTC website: www.mstcecommerce.com.
- 4) In all cases bidder should use their own ID and password along with Digital Signature at the time of submission of their bid.
- 5) During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.
- 6) The e-tender floor shall remain open from the pre-announced date & time till the date and time as mentioned above in Notice Inviting Tender.
- 7) All electronic bids submitted, using valid Digital Signing Certificate, during the e-tender process shall be legally binding on the bidder. Any bid will be considered as the valid bid offered by that bidder and the acceptance of the same by AGL (Buyer) will form a binding contract between Buyer and the Bidder for execution of work. Such successful tenderer shall hereafter be called VENDOR.
- 8) **It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.**
- 9) AGL reserves the right to cancel or reject or accept or withdraw or extend tender in full or part as the case may be without assigning any reason thereof.
- 10) No deviation from the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms and conditions for the tender.
- 11) Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted should be in Indian Rupees as per UOM indicated in the e-tender floor/ tender document.

- 14.0 During pre-qualification and evaluation of the e-tender, the AGL may, at its discretion, ask respondents for clarifications on their proposal. The respondents are required to respond within the time frame prescribed by the AGL



CUT-OUT SLIP

(Outer Envelope - EMD / MSME / NSIC)

CLIENT : AGL, INDORE
PROJECT : CITY GAS DISTRIBUTION PROJECT
BID DOCUMENT : AGL/Head Office/Contract and Purchase/12/25-26/ET/12
NO. WORK : [LT PANEL WITH APFC]

DUE DATE & TIME : To,
C&P Department
Aavantika Gas Limited,
Second Floor 202-B, NRK Business Park,
Vijay Nagar Square, AB Road, Indore-
452010 Telephone: +91 (731) 4222520

FROM

NAME:

ADDRE



COVERING LETTER FORMAT IN BIDDER'S LETTERHEAD

Bidder Ref No.

Date:

To,
Contracts and Procurement Dept.
Aavantika Gas Limited
Second Floor 202-B, NRK
Business Park, Vijay Nagar
Square, AB Road, Indore-452010
Tel- +91 (731) 4222520

e-Tender No. AGL/Head Office/Contract and Purchase/12/25-26/ET/12 [LT PANEL WITH APFC]

Subject: Letter of Bid Submission against Tender No. **AGL/Head Office/Contract and Purchase/12/25-26/ET/12 [LT PANEL WITH APFC]** for Design, Supply and Installation of Power Distribution LT Panel with inbuilt APFC.

Dear Sir,

With reference to above mentioned subject, please find enclosed herewith our Bid on behalf of "**BIDDER'S COMPANY NAME**", along with Tender documents and below enclosures as required for the Bid;

1. (Document Name e.g. EMD details, Bidder's General Information) 2.
3.
4.
5.
6.
7.

Thanks and Regards,

Submitted By: - "**BIDDERS COMPANY NAME**"
Authorized Person: -
Designation: -

Authorized Signatory



E-Tender No.: AGL/Head Office/Contract and Purchase/12/25-26/ET/12
[LT PANEL WITH APFC]
DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF LT PANEL WITH APFC



S.No.	Section	Particulars
1.	SECTION – I	Invitation for Bid (IFB)
2.	SECTION – II	Instructions to Bidders (ITB)
3.	SECTION – III	Technical Specification
4.	SECTION – IV	Payment Terms
5.	SECTION – V	General Conditions of Contract (GCC)
6.	SECTION – VI	Schedule of Rates (SOR)
7.	SECTION – VII	Packing and Marking
8.	SECTION – VIII	Forms & Formats



E-Tender No.: AGL/Head Office/Contract and Purchase/12/25-26/ET/12
[LT PANEL WITH APFC]
DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF LT PANEL WITH APFC



SECTION I
INVITATION FOR BIDS (IFB)

Bidder Seal & Sign

NATURAL GAS- CLEAN ENERGY, GREEN ENERGY



**E-Tender No.: AGL/Head Office/Contract and Purchase/12/25-26/ET/12
[LT PANEL WITH APFC]
DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF LT PANEL WITH APFC**



Aavantika Gas limited (AGL) (hereinafter referred as Owner), is supplying Piped Natural Gas (PNG) to domestic, commercial and Industrial consumers and Compressed Natural Gas (CNG) to automobiles in Indore, Ujjain and Gwalior cities of Madhya Pradesh. AGL invites sealed bids under single stage two bid system from eligible bidders for the Design, Supply and Installation of Power Distribution LT Panel with inbuilt APFC on 2 Years ARC basis as per the details given in Tender document.

This shall be an Annual Rate Contract valid for a period of Two (02) years. The quantities mentioned in the Schedule of Rates (SOR) are indicative and for inviting unit rates for the items and for evaluation purpose only. However, the procurement will be done based on the actual requirement by placing separate Purchase Orders (DO) each time during the validity of Annual Rate Contract. Bidder to note that the entire quantity can be ordered in one Purchase Order also.

Note: In the SAP terminology, initially Contract is issued followed by issuance of PO's

The Scope of work under this contract shall be Design, Engineering, fabrication, assembly, shop testing & supply of Power Distribution LT Panel with inbuilt APFC as per the specifications and other details given in tender document and Schedule of Rates (SOR).

- 1.0 PROJECT : CITY GAS DISTRIBUTION PROJECT FOR INDORE, UJJAIN, PITHAMPUR & GWALIOR**
- 2.0 ITEM & QUANTITY REQUIRED : MENTIONED IN SCHEDULE OF RATES (SOR)**
- 3.0 SCOPE OF WORK : ARC FOR DESIGN, SUPPLY AND INSTALLATION OF POWER DISTRIBUTION LT PANEL WITH INBUILT APFC**
- 4.0 DELIVERY PERIOD : REQUIRED DELIVERY FROM THE DATE OF ISSUANCE OF DELIVERY ORDER (DO) SHALL BE AS FOLLOW:**

Lot No.	Item Description	Unit	Qty	Delivery period from the date of issue of Each Delivery Order (DO)
1	Supply, Installation, testing & commissioning of LT Panel with APFC System at Indore GA and Gwalior GA	Nos	20	45 Days

- **Installation and Commissioning duration of LT Panel with APFC System at site is 01 week.**
- **The LT Panel system shall be delivered at AGL Warehouse / Site located at – Indore / Ujjain / Gwalior (M.P)**

- 5.0 BID VALIDITY : 04 MONTHS FROM BID DUE DATE.**
- 6.0 BID SECURITY / EMD : 1.90 Lakhs in the form of DD or BG**
The bid security shall be in the form of Demand Draft or Bank Guarantee in favour of Aavantika Gas Limited, Indore (India), valid for 2 months in excess of bid validity period i.e. for 06 months in the prescribed format (Form F-4) of the bid document.

Bidders registered with NSIC/MSME under its single point registration scheme are exempted from furnishing Bid Security. NSIC / MSME certificate (updated & valid as on due date of submission to be submitted) shall be duly attested by CHARTERED ACCOUNTANT (CA) AND NOTARY PUBLIC WITH

LEGIBLE STAMP.

Submission of Bid Security/EMD is exempted only when bidder is relevantly registered under NSIC / MSME scheme.

NOTE:

Bidder to upload the copy of EMD or NSIC/MSME Certificate along with the technical part, however copy of the same uploaded document is to be submitted in a separate envelope scribed with the Tender number, Tender Subject, Name of the bidder and Bid due date in physical form within 7 (Seven) days from the due date of submission of bid at the communication address:

(PLEASE NOTE THAT CUTOUT SLIP TO BE PASTED OUTER OF THE EMD ENVELOPE WHICH IS ATTACHED AS PAGE No. 08)

7.0 BID DOCUMENT FEE (NON-REFUNDABLE & NON-TRANSFERABLE): Nil.

8.0 The Bid Document calls for offers on single point "Sole Bidder" basis. Bidders are advised not to submit offers in "Consortium" or "Joint Bid". Joint bid referred herein is an offer, which seeks order to be placed on more than one party / co-bidder.

9.0 The prices once quoted shall not be changed whether resulting or arising out of any subsequent technical / commercial clarifications sought regarding the bid and even if any deviation or exclusion may be specifically stated in the bid.

10.0 Bidder is advised to quote strictly as per scope & terms and conditions of bid document and not to stipulate any deviation / exceptions.

11.0 Purchaser reserves the right to accept or reject any or all bids received at its absolute discretion without assigning any reason, whatsoever.

12.0 Bid document is non-transferable. Bids received from bidders in whose name Bid Document has been issued shall only be considered. Bidder must submit the Bid Document Fee in their name. Bid Document Fee will be submitted by Bidders as per Clause 7.0 above.

13.0 Bidder shall ensure that Bid Security having a validity of 2 months beyond the offer validity, i.e. validity of 5 months from the bid due date, must accompany the offer in the format made available in the Bid Document. Offer, if unaccompanied with Bid Security, shall be rejected.

14.0 Bids complete in all respects should reach on or before the BID DUE DATE AND TIME. Fax / Telegraphic/ E-Mail bids shall be rejected.

15.0 AGL shall not be responsible for cost incurred in preparation and delivery of bids.

16.0 This is **ZERO DEVIATION** bid document. The bids shall be evaluated as received without any Reference to the bidder. The Bids not meeting the Technical of this Tender Document will be rejected.

17.0 AGL reserves the right to reject any or all the bids received at its discretion without assigning any reason whatsoever.

18. BID EVALUATION CRITERIA - TECHNICAL:

The Bidder should have manufacturer/supplied minimum Five (05) LT panel with APFC for any company in India in maximum Five Orders within last five years reckoned from Bid due date.

****Multiple orders / Contracts issued against a Single Tender process will be considered as a single Order / Contract.**

19. SUPPORTING DOCUMENTS & SPECIAL CONDITIONS:

a) Bidder has to submit a copy of Order of Award along with corresponding Completion Certificate / Satisfactory Performance Certificate duly issued by the Client. The Completion Certificate should have cross reference with the order of award.

b) In the absence of Completion Certificate / Satisfactory Performance Certificate bidder has to provide Tax invoice with proof of payment in lieu of Completion Certificate/Satisfactory Performance Certificate.

c) In the absence of requisite documents, AGL reserves the right to reject the bid without making any reference to the Bidder.

20. BID EVALUATION CRITERIA - FINANCIAL:

- **Turnover**
The contractor should have achieved a minimum turnover of ₹ 24 Lakhs in any one of the last 3 (three) audited financial year
- **Working Capital**
The contractor should have achieved a minimum working of ₹ 5 Lakhs in the last audited balance sheet.
- **Net Worth:**
Net worth must be positive as per last audited financial statement.
Contractors must submit a copy of financial statements including Balance Sheet and Profit & Loss account statement certified by Chartered Accountant for last three audited financial years in support of the above.
- **Declaration Letter/Certificate for line of credit (If the bidder's working capital is inadequate)**
 - i) Declaration Letter/Certificate for line of credit due to short fall of working capital shall be from single bank only. Letters from multiple banks shall not be applicable. However, banking syndicate will also be acceptable wherein a group of banks can jointly provide line of credit to the bidder.
 - ii) The bank shall be required to issue the letter from declaration/certificate of line of credit on their letter head along with the contact details of the issuing authority like email id, contact number etc. The Format for certificate from Bank for Line of Credit is attached as FORM-3C.
 - iii) UDIN may not be required for documents being attested by Chartered Accountants in terms of provisions of tender document.

NOTE: All documents in support of BEC should be scanned and uploaded in the e-tendering portal. In absence of requisite documents, AGL reserves the right to reject the bid without making any reference to bidders.

21. EVALUATION & COMPARISON OF BIDS:

- Evaluation will be done on overall lowest basis.
- Bidder to quote for all SOR Items mentioned in the Price Schedule.
- In case it is observed that a bidder has not quoted for any item in the Schedule of Rates, for the purpose of evaluation the maximum rate quoted by the other qualified bidders for such items shall be considered.
If after evaluation, such bidder is found to be the lowest evaluated bidder, the rate for the missing item, the minimum rate quoted by the other qualified bidders for such item shall be considered for award and an overall discount shall be obtained from the bidder so as to maintain his total quoted amount unchanged. In case bidder does not agree to offer discount to maintain his originally evaluated overall price then the bid is liable for rejection.
- If quoted amount of two or more L-1 ranked bidders are same, then contract will be awarded to that L-1 bidder whose Turnover as per Last Audited Balance Sheet will be higher.

22. PRICE REDUCTION SCHEDULE (PRS):

In supply contract, the portion of supply completed in all respects which can be used for commercial operation shall not be considered for applying PRS, if delivered within contractual delivery period. The remaining supplies which are completed beyond the contractual delivery shall attract the price reduction schedule @0.5% per week of the delayed delivery value maximum up to 5% of individual delivery order value (Excluding Taxes and Duties).

In addition to PRS, in case bidder could not maintain power factor of LT Panel with APFC between 0.98 to 1 as stated then penalty will be imposed to bidder equivalent to PF Surcharge as per the electricity bill generated for the particular month.



E-Tender No.: AGL/Head Office/Contract and Purchase/12/25-26/ET/12
[LT PANEL WITH APFC]
DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF LT PANEL WITH APFC



SECTION - II
INSTRUCTIONS TO BIDDERS



A. Introduction

1 SCOPE

- 1.1 The Purchaser invites sealed bids for the entire work as specified in the Bid documents (Hereafter referred to as the Work).
- 1.2 The Bid document specifies the contractor scope of work, terms & conditions.
- 1.3 All terms, conditions and specifications of the Bid document shall be construed as applicable in general, unless specifically indicated to the contrary.
- 1.4 Bidders shall quote in the manner as specified in the Bid document. Purchaser reserves the right to evaluate and accept bids at their sole discretion. The provisions of this clause shall supersede any contrary provisions expressly stated or implied anywhere else in the Bid document.

2 ELIGIBILITY OF BIDDERS.

- 2.1 Bidders shall as part of their bid, submit a written Power of Attorney/Authorization Letter authorizing the signatory of the bid to bind the bidder.
- 2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consultancy services for the preparation of the design, specifications, and other documents to be used for carrying out similar Works under this Invitation for Bids.
- 2.3 The Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Purchaser in accordance with ITB.

3 ONE BID PER BIDDER

- 3.1 A bidder shall submit only one bid in the same bidding process. A bidder who submits or participates in more than one bid will be disqualified.
- 3.2 Alternative bids are not acceptable.

4 COST OF BIDDING

- 4.1 The bidder shall bear all costs incurred & associated with the preparation and submission of the bid, and Purchaser will in no case be responsible or liable for this cost, regardless of the conduct or outcome of the bidding process.

5 NON-TRANSFERABILITY OF THE BID DOCUMENTS

- 5.1 Bid Documents are non-transferable. The party to whom the Bid documents are issued may only furnish the bid. The bid received from any party other than to whom the Bid documents are issued shall be rejected immaterial of fact of any relationship between party to whom Bid documents are issued and party, who furnished the bid.

6 SITE VISIT

- 6.1 The bidder is advised to visit and examine the site of works and its surroundings and obtain for himself on his own responsibility, all information that may be necessary for preparing of the bid and entering into contract. The cost of visiting the site shall be at bidder's own expenses.
- 6.2 The bidder or any of its personnel or agents will be granted permission by the Purchaser to enter upon its premises and land for the purpose of such visits, but only upon the Express condition that the bidder, its personnel, and agents will release and indemnify the Purchaser and its personnel and agents from and against all liabilities in respect thereof, and will be responsible for death or personal injury, loss of or damage to

property, and any loss, damage, costs, and expenses incurred as a result of the inspection.

B. BID DOCUMENTS

7 CONTENTS OF BID DOCUMENTS

- 7.1 The Bid Documents are those stated below and should be read in conjunction with any corrigendum issued in accordance with clause 9.2 of Instruction to Bidder (ITB):
- 7.1.1 Invitation for Bid (IFB)
 - 7.1.2 Instruction to Bidder (ITB)
 - 7.1.3 Technical Specification, Drawing, Scope of Work, etc.
 - 7.1.4 Payment Terms & Special Conditions
 - 7.1.5 General Conditions of Contract
 - 7.1.6 Schedule of Rates (SOR)
 - 7.1.7 Packaging and Marking
 - 7.1.8 Forms & Formats

- 7.2 The bidder is expected to examine all instructions, forms, terms, specifications and drawings in the bid documents. The Bid Documents together with all its attachment thereto, shall be considered to be read understood and accepted by the bidder. Failure to furnish all information required by the Bid documents or submission of a bid not substantially responsive to the Bid documents in every respect will be at bidder's risk and may result in the rejection of the Bid.

8 CLARIFICATION ON BID DOCUMENTS

- 8.1 A prospective bidder requiring any clarification of the Bid Documents may notify Purchaser in writing or by fax at the address mentioned in the Invitation for Bid (IFB). Purchaser will respond in writing to any request for clarification of the Bid documents which it receives after issue of bid documents. Written copies of Purchaser's response (including an explanation of the query, if required, but without identifying the source of the query) will be sent to all prospective bidders who have received the Bid documents.

9 AMENDMENT OF BID DOCUMENTS

- 9.1 At any time prior to the bid due date, Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Bid documents, by issuing corrigendum.
- 9.2 Any corrigendum thus issued shall be part of the Bid documents pursuant to ITB Clause-17 and shall be notified in writing by fax / post to all prospective bidders, who have received the Bid documents. Prospective bidders shall promptly acknowledge receipt of each corrigendum by fax/ post to the Purchaser.
- 9.3 The Purchaser may, at its discretion, extend the bid due date in order to allow prospective bidders, a reasonable time to furnish their most competitive bid taking into account the amendments issued.
- 9.4 In order to allow reasonable time to respond to bidders' queries, bidders must submit their queries, if any, at least seven (07) days before the bid submission due date. Queries received after this period will not be considered.

C. PREPARATION OF BID DOCUMENT

10 LANGUAGE OF BID

- 10.1 The bid prepared by the bidder as well as all correspondence/ drawings and documents relating to the bid exchanged by bidder shall be written in English language, provided that any printed literature furnished by the bidder may be written in another language so long as accompanied by an ENGLISH translation, in which case, for the purpose of interpretation of the bid, the ENGLISH translation shall govern.

11 DOCUMENTS COMPRISING THE BID

- 11.1 The bid prepared by the bidder shall comprise of the following components:

11.1.1 Techno-Commercial Un priced - Bid (PART-I).

- A. Covering letter with bidder's offer number.
- B. Bidder's General Details / information as per format F-1.
- C. Bid Security (EMD) as per format F- 4. **(Bids received without EMD shall be rejected)**
- D. Copies of various documents as required as per F-2, F-3, F-3A & 3B, F-5 on bidder letterhead, F-8, F-10 (on Bidder's Letterhead), F-11 (on Bidder's Letterhead) and F-12 (on Bidder's Letterhead).
- E. No Deviation Confirmation as per F- 6 on bidder's letter head.
- F. Copy of Un-Priced SOR marked "QUOTED" against the items quoted.
- G. Documentary evidence established in accordance with ITB that the bidder is eligible to bid and is qualified to perform the contract if its bid is accepted.
- H. Addendum / Corrigendum, if any, to the Tender.
- I. Power of Attorney / Authorization letter authorizing the signatory of the bid.

11.1.2 Online Price Bid – Not to be Opened with Un-Priced Bid”.

Bidder has to quote rate in the Price Format duly available on Bidding floor during submission of Price against the SOR on MSTC Portal

12 BID PRICES

- 12.1 The Prices should be quoted in INR only.
- 12.2 The Bidder shall indicate in the appropriate Price Schedule, the unit prices (where applicable) and total price of the services/ works it proposes to execute under the contract. If quoted in separate typed sheets and any variation in item description, unit or quantity is noticed, the bid is liable to be rejected.
- 12.3 Bid quoted for part scope is liable to be rejected (As Applicable).
- 12.4 Prices quoted by the bidder, shall remain firm, fixed and valid until completion of the contract and will not be subjected to any variation, except statutory variation (as specified in Bid document.)
- 12.5 All corrections and alterations in the entries shall be signed in full by the bidder with date. No erasures or over-writings are permissible.
- 12.6 Bidder shall quote the all-inclusive prices as per scope of work and SOR, taking into consideration all applicable taxes, duties, overheads, provision of safety gadgets to their personnel, transportation, conveyance, trainings, recruitments, communication charges,

cost for providing tools & tackles, equipment's, machineries, minimum spares, etc. and nothing extra shall be payable by the Purchaser.

13 PERIOD OF VALIDITY OF BIDS

- 13.1 The bid shall remain valid for 4 months from the bid due date. Purchaser may reject a bid which is valid for a shorter period being non-responsive.
- 13.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Purchaser may request that the bidder extend the period of bid validity for a specified additional period. The requests and the responses thereto shall be made in writing (by fax/ post/ e-mail). A bidder can refuse the request without forfeiture of his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of its bid security for the period of the extension and in accordance with ITB clause 14 in all respects.

14 BID SECURITY

- 14.1 Pursuant to IFB Clause No. 6, the bidder shall furnish, as part of his bid, bid security in the amount specified in the Invitation for Bids.
- 14.2 The bid security is required to protect the Purchaser against the risk of bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause- 14.7
- 14.3 The bid security will be in Indian Rupees and shall be in the form of Demand Draft / Banker's Cheque is to be drawn in favor of **Avantika Gas Ltd**, payable at Indore or in the form of Bank Guarantee as per format F-4 enclosed in the Bid Document.
- 14.4 Any bid not secured in accordance with ITB Clause 24 and ITB Clause 14.3 may be rejected by the Purchaser as non-responsive.
- 14.5 Unsuccessful bidder's bid security will be discharged/ returned, as promptly as possible but not later than 30 days after the expiration of the period of bid validity prescribed by the Purchaser, pursuant to ITB Clause-13.
- 14.6 The successful bidder's bid security will be discharged upon the bidder's accepting the Order, pursuant to ITB Clause- 34 and furnishing the Contract Performance Guarantee pursuant to ITB Clause- 35.
- 14.7 The bid security may be forfeited:**
- 14.7.1 If a bidder withdraws his bid during the period of bid validity.
- 14.7.2 In the case of a successful bidder, if the bidder fails:
- To accept the Delivery Order in accordance with ITB Clause- 34 or
 - To furnish Performance Guarantee in accordance with ITB Clause-35
 - To accept correction of errors pursuant to ITB Clause- 26
- 14.8 Bid Security must indicate the Bid Document number and the item for which the bidder is quoting. This is essential for proper co-relation at a later date. The Bid Security in the form of Bank Guarantee shall be as per the format provided in the Bid Document.
- 14.9 The Indian / Domestic firms registered with NSIC/MSME, under its single point registration scheme are exempted from furnishing Bid Security. NSIC / MSME certificate submitted shall be duly attested by CHARTERED ACCOUNTANT (CA) AND NOTARY PUBLIC WITH LEGIBLE STAMP.

15 FORMAT AND SIGNING OF BID

- 15.1 The bidder shall prepare the document comprising the bid as per clause 11 of ITB.



- 15.2 The bid shall be typed or written in indelible ink and shall be signed by the person or persons duly authorized to sign on behalf of the bidder. The name and position held by each person signing must be typed or printed below the signature. All pages of the bid except any catalogues / literatures shall be signed and sealed by the person or persons signing the bid.
- 15.3 The bid shall contain no alterations, omissions or additions, unless such corrections are signed & sealed by the person or persons signing the bid.

16 ZERO DEVIATION

- 16.1 Bidder to note that this is a **zero deviation tender**. AGL will appreciate submission of offer based on the terms and conditions in the enclosed General Conditions of Contract (GCC), Special Conditions of Contract (SCC), Instructions to Bidder (ITB), Scope of work, technical specifications, Invitation for Bid (IFB) etc. to avoid delay in seeking clarifications on technical/commercial aspects of the offer. Bids with any deviation to the bid conditions shall be **liable for rejection**.

D. SUBMISSION OF BIDS

17 SEALING AND MARKING OF BIDS (Not Applicable)

- 17.1 Bid shall be submitted in the following manner in separate sealed envelopes duly super scribed as below:
- Envelope - I – Techno-commercial / Un-priced bid
 - Envelope - II- Priced Bid “Not to be opened with Un-Priced Bid”
 - Envelope – III – Tender Fees / MSME / NSIC
- 17.2 All three envelopes containing EMD/MSME/NSIC & Bid Documents, Price Bids and Tender Fees shall further be sealed in one Master (outer) envelope super - scribing Name of Project, Tender Document Number and shall be addressed to the Purchaser at the address given in IFB.
- 17.3 Each envelop shall indicate name and address of the bidder to enable the bid to be returned unopened, if warranted.
- 17.4 If the outer envelope is not sealed and marked as above, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid and its consequential rejection. The Purchaser recommends submission of Bids in – person and will assume no responsibility for any delay / damage to the bids received by Post / Courier.

18 DEADLINES FOR SUBMISSION OF BID

- 18.1 The Bid must be online submitted at MSTC Portal during Bidding period not later than the time and date as specified in IFB.
- 18.2 The Purchaser may, in exceptional circumstances and at its discretion, on giving reasonable notice by fax or any written communication to all prospective bidders who have been issued the bid document extend the deadline for the submission of bids in which case all rights and obligations of the Purchaser and bidders, previously subject to the original deadline will thereafter be subject to deadline as extended.

19 LATE BIDS

- 19.1 Any bid received by the Purchaser after the deadline for submission of bid pursuant to clause no. 18 of ITB will be declared "Late" and rejected and may be returned unopened to the bidder at the sole discretion of the Purchaser.

20 MODIFICATION AND WITHDRAWAL OF BIDS

- 20.1 The bidder may modify or withdraw its bid after the bid submission, but, before the due date of submission provided that written notice of the modification, including substitution or withdrawal of the bid, is received by the Purchaser prior to the deadline prescribed for submission of bids.
- 20.2 The bidder's modification or withdrawal notice shall be prepared, sealed, marked and delivered in accordance with the Bid document, with the outer envelopes additionally marked "modification" or "withdrawal" as appropriate. A withdrawal notice may also be sent by fax/post, but followed by signed confirmation copy, post marked not later than the deadline for submission of bids.
- 20.3 No bid shall be modified after the deadline for submission of bid.
- 20.4 No bid shall be allowed to be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidder on the bid form. Withdrawal of a bid during this interval shall result in the bidder's forfeiture of its bid security, pursuant to clause 14.7 of ITB.

E. BID OPENING AND EVALUATION

21 BID OPENING (NOT APPLICABLE FOR ONLINE BID)

- 21.1 The Purchaser will open all bids in the presence of Bidders' representatives who choose to attend, at the time, on the date and place (as specified in IFB). The Bidders' representatives, who are present, shall sign a register evidencing their attendance, if so required by the Purchaser.
- 21.2 The Bidder's names, bid modifications or withdrawals, and the presence or absence of requisite Bid Security (EMD) and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be later returned unopened to the concerned Bidder pursuant to ITB Clause 29.
- 21.3 Bids (and modifications sent pursuant to ITB Clause 30) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Bidder's specific attention is drawn to this stipulation to enable the representative of the Bidder at the bid opening time to bring out to the attention for the Purchaser any documents pertaining to its bid is not being acknowledged and relevant portions read out.
- 21.4 The Purchaser will prepare a bid opening statement to be signed by all representatives present during bid opening.

22 CLARIFICATION OF BID

- 22.1 During evaluation of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

23 CONTACTING THE PURCHASER

- 23.1 From the time of the bid opening to the time of the award, if any bidder wishes to contact the Purchaser for any matter relating to the bid it should do so in writing.
- 23.2 Any effort by a bidder to influence the Purchaser in any manner in respect of bid evaluation or award will result in the rejection of that bid.

24 PRELIMINARY EXAMINATION OF BIDS

24.1 Techno-Commercial Bid Evaluation

- 24.1.1 The Purchaser will examine the bids to determine whether they are complete, whether required securities have been furnished, whether the documents have been properly signed and whether the bids are generally in order.
- 24.1.2 Prior to the detailed evaluation, the Purchaser will determine whether each bid is of acceptable quality, is generally complete and is responsive to the Bid Documents. For the purpose of this determination, a responsive bid is one, which confirms to all the terms, conditions and specification of the Bid document, without deviations, objections, conditionality or reservations.
- 24.1.3 No deviation, whatsoever, is permitted in the Bid Documents and the price bids of those bidders, whose technical and commercial bids contain any exception to the conditions and stipulations of the Bid Documents may not be opened.
- 24.1.4 The Purchaser's determination of bid responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence. If a bid is non-responsive, it may be rejected by the Purchaser.
- 24.1.5 The Purchaser will carry out a detailed evaluation of the bids previously determined to be responsive in order to determine whether the technical aspects are in accordance with the requirements set forth in the Bid documents. In order to reach such a determination, the Purchaser will examine and compare the technical aspects of the bids on the basis of the information supplied by the bidders, taking into account the following factors:
 - 24.1.5.1 Overall completeness and compliance with the Technical Specifications, quality functions and operations of any process control concept included in the bid. The bid that does not meet minimum acceptable standard of completeness, consistency and detail will be rejected as non-responsive.
 - 24.1.5.2 Any other relevant factor, if any that the Purchaser deems necessary or prudent to be taken into consideration.
 - 24.1.5.3 Requisite forms contain all necessary information stipulated in the Bid Document.

25 REJECTION CRITERIA

- 25.1 Minor unconformities may be neglected and/or bidders may be required to rectify such minor unconformities.
- 25.2 The provisions of the following clauses of the Bid document must be adhered to, failing which the bid shall be considered as non-responsive and shall be summarily rejected:
 - 25.2.1 Tender fee, Bid Security i.e. non-submission, shorter Value (EMD) or Bid Security (EMD) not complying with the specified requirements.
 - 25.2.2 Submission of Contract Performance Bank Guarantee as per tender.
 - 25.2.3 Period of validity of bid.
 - 25.2.4 Firm & fixed Prices throughout execution of work
 - 25.2.5 Offer for complete scope of work
 - 25.2.6 Warranty and guarantee for work executed/ defect liability

- 25.2.7 Resolution of Dispute/ Arbitration clause.
 - 25.2.8 Payment terms.
 - 25.2.9 Validity of Contract.
 - 25.2.10 Prices as per Schedule of Rates.
 - 25.2.11 Price reduction schedule provisions.
 - 25.2.12 Penalty provisions.
- 25.3 **If any Vendor is adjudged as POOR Performer by AGL in preceding 12 Months from Tender bid due date, the bid submitted by such Vendor will NOT be considered.**

26 OPENING OF PRICE BID

- 26.1 The Bidder whose bid is found substantially responsive shall be invited to attend the opening of price bid. Such bidders may be required to attend the price bid opening at a short notice. The place, date and time of price bid opening will be informed to all such Bidders. The Bidders' representatives who are present shall sign a register evidencing their attendance.
- 26.2 The bid prices and discounts, if any stated in the price schedules will be announced during price bid opening.

27 ARITHMETIC CORRECTIONS

- 27.1 The bids will be checked for any arithmetical errors as follows if any, will be rectified on the following basis:
 - 27.1.1 If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected;
 - 27.1.2 If there is a discrepancy between words and figures, the amount in words will prevail;
- 27.2 If the bidder does not accept the correction of errors, its bid will be rejected and the bid security will be forfeited.

28 EVALUATION AND COMPARISON OF BIDS: Refer Section I IFB clause no. 18.3 "Evaluation and Comparison of Bids".

- 1. When rate quoted by contractor in figure and words tallies but amount is incorrect, the rate quoted by contractor shall be taken as correct and not the amount and amount shall have corrected.
- 2. When it is not possible to ascertain the correct rate, the rate quoted in words shall be adopted and the amount worked out, for comparison purposes.
- 3. In case it is observed that any bidder has not quoted for any item in Schedule of Rates (such unquoted item not being in large), the quoted price for the purpose of evaluation shall be considered as the maximum rate quoted by remaining bidder for such items.
- 4. If after evaluation such bidder is found to be lowest evaluated bidder, the rates of missing items should be considered as included in quoted bid price.
- 5. If the estimated price impact of the unquoted items is more than 10% of bidder's quoted price, the above provisions shall not be applicable and such bid shall be rejected.

29 POST-QUALIFICATION

- 29.1 In the absence of pre-qualification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated

- responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB.
- 29.2 The determination will take into account the Bidder's financial, technical, and production Capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Purchaser deems necessary and appropriate.
- 29.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Purchaser will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

F. AWARD

30 AWARD CRITERIA

- 30.1 Subject to ITB Clause 21 to 29 of section E, the Purchaser will place the order on the successful bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the order satisfactorily. The Award of work shall be done in accordance with Clause No. 24 of IFB of this Document.

31 PURCHASER'S RIGHT TO VARY QUANTITIES

- 31.1 Purchaser reserves the right to increase or decrease the quantities specified in the Schedule of Rates, without any change in unit price or other terms and conditions.
- 31.2 Bidder shall note that the quantities mentioned against each activity in Schedule of Rates are tentative only and subject to change based on actual requirement. The unit rates quoted by the bidders shall remain fixed and firm, no price adjustment shall be allowed after bid submission.

32 PURCHASER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

- 32.1 Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidder or bidders the reason for the Purchaser's action.

33 NOTIFICATION OF AWARD / FAX OF INTENT / LETTER OF INTENT

- 33.1 Prior to the expiration of period of bid validity, the Purchaser will notify the successful bidder in writing by fax or e-mail to be confirmed in writing that his bid has been accepted.
- 33.2 The date of Fax of Intent / Letter of Intent for notification of Award will constitute effective date.
- 33.3 Upon the successful bidder's furnishing of Contract Performance Bank Guarantee (CPBG), pursuant to ITB Clause 35, the Purchaser will promptly notify each unsuccessful bidder and will discharge the bid security of such bidders.

34 ACCEPTANCE OF ORDER

- 34.1 Purchaser will issue the Order to the successful bidder within 10 days of award of work. Bidder shall sign all pages and return the acceptance copy of the Purchase/Delivery Order to the Purchaser.

35 CONTRACT PERFORMANCE BANK GUARANTEE

- 35.1 Within Fifteen (15) days from the date of award of Delivery Order/ Purchase Order, the successful bidder shall furnish the performance guarantee in accordance with General Conditions of Contract in the form provided in the Bid documents.
- 35.2 The Contract Performance Bank Guarantee shall be for an amount as defined in General Conditions of Contract (GCC) towards faithful performance of the contractual obligations. This bank guarantee shall be valid for a period of 03 months beyond the expiry of the contract, including the defect liability period and warranty period.
- 35.3 Failure of the successful bidder to comply with the requirements of this clause shall constitute sufficient ground for the annulment of the award and forfeiture of the bid security.

36 CORRUPT AND FRAUDULENT PRACTICES

- 36.1 The Purchaser requires that Bidders observe the highest standard of ethics during the execution of Contract. In pursuance of this policy, the Purchaser defines, for the purposes of this provision, the terms set forth below as follows:
- i) "Corrupt Practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of public official in contract execution; and
 - ii) "Fraudulent Practice" means a misrepresentation of facts in order to influence the execution of a Contract to the detriment of the Purchaser, and includes collusive practice amongst bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;
- 36.2 Purchaser will reject a proposal for award, if it determines that the bidder recommended for award is engaged in corrupt or fraudulent practices in competing for the award in question;
- 36.3 Purchaser will declare a firm ineligible, either indefinitely or for a stated period of time, if at any time the Purchaser determines that the firm has engaged in corrupt or fraudulent practices in competing for or in executing a contract.

37 INCOME TAX LIABILITY

- 37.1 The bidder shall bear all Income Tax liability, both corporate as well as for his personnel.

38 EMPLOYEE PROVIDENT FUND (EPF) (As Applicable)

- 38.1 Bidders have to furnish the proof of existing Employee Provident Fund details.

39 GENERAL

- 39.1 Any failure on the part of the Purchaser at any time to enforce the strict observances of the performance of any of the term(s) and condition(s) or rights, shall not effect or deprive the Purchaser to exercise the same at any later date.
- 39.2 The work will be supervised by Purchaser's Engineer-In-Charge or his representative and the Contractor has to strictly adhere to his instructions.
- 39.3 During the tenancy of this contract, Purchaser can increase and/or decrease the quantity of the work/ service (s) required. The quantity of work / service (s) shown in the Schedule of rates is tentative.
- 39.4 The contract period shall be reckoned from the date of Purchase Order (PO).

- 39.5 The agreed rates shall remain firm & fixed till the expiry of contract and the contractor shall not be entitled to any inflation, escalation or revision (statutory or otherwise) or any right to claim, whatsoever by way of representation, explanation, statement or alleged representation or an outstanding or promise given or alleged to have been given by any employee of the Purchaser or due to contractor's own ignorance or on account of the difficulties or hardships faced by him. The rates quoted shall be all-inclusive of applicable taxes/ duties and shall remain firm till expiry/entire tenancy of this contract. It is agreed that the bidder has inspected the sites and assessed the nature and the extent of the work including the conditions prevalent under which the work is to be carried out.

40.0 VENDOR EVALUATION PROCEDURE

1.0 PROCEDURE FOR EVALUATION FOR PERFORMANCE OF VENDORS/SUPPLIERS/CONTRACTORS/CONSULTANTS

2.1 GENERAL

A system for evaluation of Vendors/Suppliers/Contractors/Consultants and their performance is a key process and important to support an effective purchasing & contracting function of an organization.

Performance of all participating Vendors /contractors /consultants need to be closely monitored to ensure timely receipt of supplies from a vendor, completion of an assignment by a consultant or complete execution of order by a contractor within scheduled completion period. For timely execution of project and meeting the operation & maintenance requirement of Operating Plant / Location, it is necessary to monitor the execution of order or contract right from the award stage to completion stage and take corrective measures in time.

2.2 OBJECTIVE

The objective of evaluation of performance aims to recognize, and develop reliable Vendors/ Suppliers/ Contractors/ Consultant so that they consistently meet or exceed expectations and requirements.

The purpose of this is to put in place a system to monitor performance of Vendors/ Suppliers/ Contractors / Consultants associated with AGL in Project and O&M so as to ensure timely completion of various project, timely receipt of supplies including completion of works & services for operation and maintenance of Operating Plant / Location and quality standards in all respects.

2.3 METHODOLOGY

- i) Preparation of Performance Rating Data Sheet
Performance rating data sheet for each and every Vendor/Supplier/Contractor/Consultant for all orders/Contracts with a value of Rs 07 Lakhs and above is recommended to be drawn up. Further, Performance rating data sheet for orders/contracts of Vendor/Supplier/Contractor/Consultant who are on watch list/holiday list/banning list shall be prepared irrespective of order/contract value. These data sheets are to be separately prepared for orders/contracts related to Projects and O&M within 30 days after execution of Order/Contract. Format, Parameters, Process, responsibility for preparation of Performance Rating Data sheet are separately mentioned.
In case of non-performance, these data sheets are to be prepared, as and when need arises.
- ii) Measurement of Performance
Based on the parameters defined in Data Sheet, Performance of concerned Vendor/Supplier/Contractor/Consultant would be computed and graded accordingly. The

measurement of the performance of the Party would be its ability to achieve the minimum scoring of 60% points in the given parameters.

- iii) **Initiation of Measures:**
Depending upon the Grading of Performance, corrective measures would be initiated by taking up the matter with concerned Vendor/Supplier/Contractor/Consultant. Response of Vendor/Supplier/Contractor/Consultant would be considered before deciding further course of action.
- iv) **Implementation of Corrective Measures:**
Based on the response of Vendor/Supplier/Contractor/Consultant pertaining to ongoing or completed orders/contracts, concerned Authority as specified in POWO would take approval from Competent Authority and recommend for continuation or discontinuation of such party from the business of AGL.
- v) Orders/contracts placed on Proprietary/OEM basis for O&M will be evaluated and, if required, corrective action will be taken for improvement in future.

Note: All departments other than Projects like O&M, HSE, HR, F&A, Marketing etc. will be covered under definition of O&M.

2.4 **EXCLUSIONS:**

The following would be excluded from the scope of evaluation of performance of Vendor/Supplier/Contractor/Consultant:

- i) Orders/Contracts below the value of Rs 07 Lakhs if Vendor/Supplier/Contractor/Consultant is not on watch list/holiday list/banning list.
- ii) Orders for Miscellaneous/Administrative items/Non stock Non valuated items.

However, concerned Engineer-in-Charge/OICs will continue to monitor such cases so as to minimize the impact on Projects/O&M due to non-performance of Vendor/Supplier/Contractor/Consultant in all such cases.

2.5 **PROCESS OF EVALUATION OF PERFORMANCE OF VENDORS/ SUPPLIERS/CONTRACTOR/CONSULTANTS**

2.5.1 **FOR PROJECTS:**

- i) Evaluation of performance of Vendors/Suppliers/Contractors/Consultants in case of PROJECTS shall be done within 30 days of Commissioning of any Project / Completion of Contract.
- ii) On commissioning of any Project, EIC (Engineer-in-charge)/ Project-in-charge shall prepare a Performance Rating Data Sheet (Format enclosed) for all Orders and Contracts excluding cases under Para 2.4.
- iii) Depending upon the Performance Rating, following action need to be initiated by Engineer-in-charge/Project-in-charge:

Sr. No.	Performance rating	Action
1	POOR	Seek explanation for Poor performance
2	FAIR	Seek explanation for Fair performance
3	GOOD	Letter to the concerned for improving performance in future

4	VERY GOOD	No further action
5	EXCELLENT	Appreciation Letter to the concern

- iv) Reply from the concerned Vendor/Supplier/Contractor/Consultant shall be examined by EIC. In case of satisfactory reply, Performance Rating data sheet to be closed with a letter to the concerned for improving performance in future.
- v) When no reply is received or reasons indicated are unsatisfactory, the following actions need to be taken based on recommendations of site level committee and HO level committee:

The methodology for processing of cases of "POOR" (as per Performance Rating) shall be as under:

- i) *Within 7 days of issuance of explanation Letter by EIC or no reply/receipt of non-satisfactory reply to explanation letter for "Poor" Performance Rating, site level committee will recommend the case to HO level committee.*
- ii) *On receipt of above details from Site level committee, HO level committee will take approval from Competent Authority and accordingly HOD (C&P) will issue Advisory notice (duly vetted by Law Department) to Vendor/Supplier/Contractor/Consultant for putting them on watch list for a Period of Three (03) Years.
The copy of Advisory notice will also be sent to all OICs/HoDs for instructing EICs to closely monitor the performance of such Vendor/Supplier/Contractor/Consultant in other ongoing/new Orders/Contracts placed on them.
Simultaneously AGL's SAP/Portal will be Yellow Flagged for such Vendor.*
- iii) *For the case of "Subsequent Instances" in other ongoing order (s)/ contract (s) or new order (s)/ contract (s) on such Vendor/Supplier/Contractor/Consultant, the matter will be deliberated by the site level committee and recommendations to be forwarded to C&P for further deliberation by a HO Level Committee consisting of following:*
- (1) HOD (C&P)*
 - (2) HOD (F&A)*
 - (3) HOD (HSE-Q)*
 - (4) HOD of Concerned department.*
- All other subsequent process of committee recommendation for issuance of Show Cause Notice (SCN) cum suspension order, vetting of same etc will be as per vendor performance.
On receipt of reply to SCN, C&P will forward the same to concerned OIC/HoD at HO for point wise reply to issues brought out by Vendor/Supplier/Contractor/Consultant in their reply to show cause notice.
On receipt of recommendation from site committee through OIC/HoD at HO, the matter will once again be deliberated by the aforesaid HO level committee. All other subsequent process of committee recommendation for keeping the Vendor/Supplier/Contractor/Consultant on holiday or otherwise, vetting of speaking order, approval etc. will be as per vendor performance.*

- A) **Where Performance rating is "POOR"** (as per Performance rating carried out after execution of Order/Contract and where no reply/unsatisfactory reply is received from party against the letter seeking the explanation from Vendor/Supplier/Contractor/Consultant along with Sharing the Performance rating)

Recommend such defaulting Vendor/Supplier/Contractor/Consultant for the following action:

1. Poor Performance on account of Quality (if marks obtained against Quality parameter is less than 20):
 - a) **First Instance: Holiday (Red Card) for Two Years, and effect of Holiday will be as mentioned in Clause No. 2.7**
 - b) **Subsequent instance (s) in other ongoing order (s) / contract (s) or new order (s) / contract (s) on such Vendor/ Supplier/ Contractor/ Consultant: Holiday (Red Card) for Three Years**
2. Poor Performance on account of other than Quality (if marks obtained against Quality parameter is more than 20):
 - a) **First such instance: Advisory notice (Yellow Card)** shall be issued and Vendor/Supplier/Contractor/Consultant shall be put on watch list for a period of Three (03) Years.
 - b) **Second such instance in other ongoing order (s) / contract (s) or new order (s) / contract (s) on such Vendor/ Supplier/ Contractor/ Consultant: Putting on Holiday (red Card) for a period of One Year.**
 - c) **Subsequent instances (more than two) in other ongoing order (s) / contract (s) or new order (s) / contract (s) on such Vendor/ Supplier/ Contractor/ Consultant: Putting on Holiday (Red Card) for Three Years**

(B) Where Poor/Non-Performance leading to termination of contract or offloading of contract due to poor performance attributable to Vendor/Supplier/Contractor/Consultant (under relevant Contract Clauses)

- (a) **First Instance: Advisory notice (Yellow Card)** shall be issued and Vendor/Supplier/Contractor/Consultant shall be put on watch list for a period of Three (3) Years.

Further such vendor will not be allowed to participate in the re-tender of the same supply/work/services of that location which has terminated/offloaded. Moreover, it will be insured that all other action as per provision of contract including forfeiture of Contract Performance Security (CPS) etc. are undertaken.

However, such vendor will be allowed to participate in all other tenders and to execute other ongoing order/contract (s) or new contract / order (s).

The Yellow card will be automatically revoked after a period of three years unless the same is converted into Red Card due to subsequence instances of poor/non-performance in other ongoing order (s)/ contract (s) or new order (s)/ contract (s) on such Vendor/Supplier/Contractor/Consultant.

- (b) **Second instances** in other ongoing order (s)/ contract (s) or new order (s)/ contract (s) on such Vendor/Supplier/Contractor/Consultant: **Holiday (Red Card)** for period of One Year and they shall also to be considered for suspension.
- (c) **Subsequent instances (more than two)** in other ongoing order (s)/ contract (s) or new order (s)/ contract (s) on such Vendor/Supplier/Contractor/Consultant: **Holiday (Red card) for period of Three Years and they shall also to be considered for suspension.**

A provision in AGL's SAP/Portal will be made for flagging **(Yellow card and Red card)** of such Vendor/Supplier/Contractor/Consultant so as to track their performance. List of such Vendor/Supplier/Contractor/Consultant shall also be uploaded on the AGL's intranet/web site.

Further, the bidder status regarding Yellow card should be mentioned in the **TCR/Proposal for Price Bid Opening** so that delivery/execution may be closely monitored by the concerned.

2.5.2 FOR CONSULTANCY JOBS

Monitoring and Evaluation of consultancy jobs will be carried out in the same way as described above in 2.5.1 except the functions of Project Manager will be performed by concerned In-charges of user departments such as Project, Marketing, HR, Finance, HSE etc.

2.5.3 FOR OPERATION & MAINTENANCE:

- i) Evaluation of performance of Vendors/Suppliers/Contractors/Consultants in case of Operations and maintenance shall be done within 30 days of execution of order/contract or Completion of Contract.
- ii) After execution of orders/contracts a Performance Rating Data Sheet (Format enclosed) shall be prepared by respective Engineer-in-Charge excluding cases under Para 2.4.
- iii) Depending upon the Performance Rating, following action need to be initiated by Engineer-in-charge:

Sl. No.	Performance rating	Action
1	POOR	Seek explanation for Poor performance
2	FAIR	Seek explanation for Fair performance
3	GOOD	Letter to the concerned for improving performance in future
4	VERY GOOD	No further action
5	EXCELLENT	Appreciation Letter to the concern

- iv) Reply from the concerned Vendor/Supplier/Contractor/Consultant shall be examined. In case of satisfactory reply, Performance Rating data sheet to be closed with a letter to the concerned for improving performance in future.
- v) When no reply is received or reasons indicated are unsatisfactory, the following actions need to be taken based on recommendations of site level committee and HO level committee:

The methodology for processing of cases of "POOR" (as per Performance Rating) shall be as under:

- i) *Within 7 days of issuance of explanation Letter by EIC or no reply/receipt of non-satisfactory reply to explanation letter for "Poor" Performance Rating, site level committee will recommend the case to HO level committee.*
- ii) *On receipt of above details from Site level committee, HO level committee will take approval from Competent Authority and accordingly HOD (C&P) will issue Advisory notice (duly vetted by Law Department) to Vendor/Supplier/Contractor/Consultant for putting them on watch list for a Period of Three (03) Years.
The copy of Advisory notice will also be sent to all OICs/HoDs for instructing EICs to closely monitor the performance of such Vendor/Supplier/Contractor/Consultant in other ongoing/new Orders/Contracts placed on them.
Simultaneously AGL's SAP/Portal will be Yellow Flagged for such Vendor.*

iii) For the case of "Subsequent Instances" in other ongoing order (s)/ contract (s) or new order (s)/ contract (s) on such Vendor/Supplier/Contractor/Consultant, the matter will be deliberated by the site level committee and recommendations to be forwarded to C&P for further deliberation by a HO Level Committee consisting of following:

- (5) HOD (C&P)
- (6) HOD (F&A)
- (7) HOD (HSE-Q)
- (8) HOD of Concerned department.

All other subsequent process of committee recommendation for issuance of Show Cause Notice (SCN) cum suspension order, vetting of same etc will be as per vendor performance.

On receipt of reply to SCN, C&P will forward the same to concerned OIC/HoD at HO for point wise reply to issues brought out by Vendor/Supplier/Contractor/Consultant in their reply to show cause notice.

On receipt of recommendation from site committee through OIC/HoD at HO, the matter will once again be deliberated by the aforesaid HO level committee. All other subsequent process of committee recommendation for keeping the Vendor/Supplier/Contractor/Consultant on holiday or otherwise, vetting of speaking order, approval etc. will be as per vendor performance.

A) **Where Performance rating is "POOR"** (as per Performance rating carried out after execution of Order/Contract and where no reply/unsatisfactory reply is received from party against the letter seeking the explanation from Vendor/Supplier/Contractor/Consultant along with Sharing the Performance rating)

Recommend such defaulting Vendor/Supplier/Contractor/Consultant for the following action:

1. Poor Performance on account of Quality (if marks obtained against Quality parameter is less than 20):
 - a) First Instance: Holiday (Red Card) for Two Years, **and effect of Holiday will be as mentioned in Clause No. 2.7**
 - b) Subsequent instance (s) in other ongoing order (s) / contract (s) or new order (s) / contract (s) on such Vendor/ Supplier/ Contractor/ Consultant: Holiday (Red Card) for Three Years
2. Poor Performance on account of other than Quality (if marks obtained against Quality parameter is more than 20):
 - a) First such instance: Advisory notice (Yellow Card) shall be issued and Vendor/Supplier/Contractor/Consultant shall be put on watch list for a period of Three (03) Years.
 - b) Second such instance in other ongoing order (s) / contract (s) or new order (s) / contract (s) on such Vendor/ Supplier/ Contractor/ Consultant: Putting on Holiday (red Card) for a period of One Year.
 - c) Subsequent instances (more than two) in other ongoing order (s) / contract (s) or new order (s) / contract (s) on such Vendor/ Supplier/ Contractor/ Consultant: Putting on Holiday (Red Card) for Three Years

(B) Where Poor/Non-Performance leading to termination of contract or offloading of contract due to poor performance attributable to Vendor/Supplier/Contractor/Consultant (under relevant Contract Clauses)

(a) **First Instance: Advisory notice (Yellow Card)** shall be issued and Vendor/Supplier/Contractor/Consultant shall be put on watch list for a period of Three (3) Years.

Further such vendor will not be allowed to participate in the re-tender of the same supply/work/services of that location which has terminated/offloaded. Moreover, it will be insured that all other action as per provision of contract including forfeiture of Contract Performance Security (CPS) etc. are undertaken.

However, such vendor will be allowed to participate in all other tenders and to execute other ongoing order/contract (s) or new contract / order (s).

The Yellow card will be automatically revoked after a period of three years unless the same is converted into Red Card due to subsequence instances of poor/non-performance in other ongoing order (s)/ contract (s) or new order (s)/ contract (s) on such Vendor/Supplier/Contractor/Consultant.

- (b) **Second instances** in other ongoing order (s)/ contract (s) or new order (s)/ contract (s) on such Vendor/Supplier/Contractor/Consultant: **Holiday (Red Card)** for period of One Year and they shall also to be considered for suspension.
- (c) **Subsequent instances (more than two)** in other ongoing order (s)/ contract (s) or new order (s)/ contract (s) on such Vendor/Supplier/Contractor/Consultant: **Holiday (Red card) for period of Three Years and they shall also to be considered for suspension.**

A provision in AGL Portal will be made for flagging (**Yellow card and Red card**) of such Vendor/Supplier/Contractor/Consultant so as to track their performance. List of such Vendor/Supplier/Contractor/Consultant shall also be uploaded on the AGL's web site.

Further, the bidder status regarding Yellow card should be mentioned in the **TCR/Proposal for Price Bid Opening** so that delivery/execution may be closely monitored by the concerned.

2.6 REVIEW & RESTORATION OF PARTIES PUT ON HOLIDAY

An order for Holiday passed for a certain specific period shall deemed to have been automatically revoked on the expiry of that specified period and it will not be necessary to issue a specific formal order of revocation.

Further, in case Vendor/Supplier/Contractor/Consultant is put on a Holiday due to quality, and new order is placed on bidder after restoration of Vendor/Supplier/Contractor/Consultant, such order will be properly monitored during execution stage by the concerned site incharge.

2.7 EFFECT OF HOLIDAY

- A) If a Vendor/Supplier/Contractor/Consultant is put on Holiday, such Vendor/Supplier/Contractor/Consultant should not be considered in ongoing tenders/future tenders.
- B) However, if such Vendor/Supplier/Contractor/Consultant is already executing any other order/contract and their performance is satisfactory in terms of the relevant contract, should be allowed to continue till its completion without any further increase in scope except those incidental to original scope mentioned in the contract. In such a case CPBG will not be forfeited and payment will be made as per provisions of concerned contract. However, this would be without prejudice to other terms and condition of the contract.
- C) Effect on other ongoing tendering:
 - i) After issue of the enquiry/bid/tender but before opening of Technical bid, the bid submitted by the party shall be ignored.
 - ii) After opening of the Technical bid but before opening the Price bid, the Price bid of the party shall not be opened and BG/EMD submitted by the party shall be returned to the party.

iii) After opening of Price, BG/EMD made by the party shall be returned; the offer of the party shall be ignored & will not be further evaluated. If errant party emerges as the lowest (L-1), then such tender shall also be cancelled and re-invited.

2.8 While putting the Vendor/Supplier/Contractor/Consultant on holiday as per the procedure, the holding company, subsidiary, joint venture, sister concerns, group division of the errant Vendor/Supplier/Contractor/Consultant shall not be considered for putting on holiday list.

Any Bidder, put on holiday, will not be allowed to bid through consortium route also in new tender during the period of holiday.

2.9 In an unsuccessful bidder makes any vexatious, frivolous or malicious complaint against the tender process with the intention of delaying or defeating any procurement or causing loss to AGL or any other bidder, such bidder will be put on holiday for a period of six months, if such complaint is proved to be vexatious, frivolous or malicious, after following the due procedure.

2.10 APPEAL AGAINST THE DECISION OF THE COMPETENT AUTHORITY

- a) The party may file an appeal against the order of the Competent Authority for putting the party on Holiday list. The appeal shall be filed to Appellate Authority. Such an appeal shall be preferred within one month from the date of receipt of Holiday order.
- b) Appellate Authority would consider the appeal and pass appropriate order which shall be communicated to the party as well as the Competent Authority.
- c) Appeal process may be completed within 45 days of filing of appeal with the Appellate Authority.
- d) "Appellate Authority" shall mean Committee of nominee director of either GAIL or HPCL other than Chairman of the AGL Board and Executive management i.e. Managing Director and Director (Commercial) of Aavantika Gas Limited.

2.11 ERRANT BIDDER

In case after price bid opening the lowest evaluated bidder (L-1) is not awarded the job for any mistake committed by him in bidding or withdrawal of bid or modification of bid or varying any term in regard thereof leading to re-tendering, AGL shall forfeit EMD paid by the bidder and such bidders shall be debarred from participation in retendering of the same job(s)/item(s).

Further, such bidder will be put on watch List (Yellow card) for a period of three years after following the due procedure. However, during the period in watch list such vendor will be allowed to participate in all other tenders and to execute other ongoing order/contract (s) or new contract/ order (s).

In case of subsequent instances of default in other tender(s) during aforesaid watch list period, the action shall be initiated as per provision of Sl. No. 2 of Para (A) of Clause no. 2.5.1 (v).

The Yellow card will be automatically revoked after specified period unless the same is converted into Red Card.

2.12 In case GST department or any other Statutory department brings to the notice of AGL that a party has not paid to the credit of the Government the GST or any



Statutory payment collected from AGL, then party will be put on holiday for a period of Six months after following the due procedure, including holding his payment.

- 2.13** All departments other than Projects like O&M, HSE, HR, F&A, Marketing etc. will be covered under definition of O&M.
- 2.14** Further, **PERFORMANCE RATING DATA SHEET** (FOR PROJECTS/CONSULTANCY JOBS/O&M) is enclosed for reference for Evaluation of Performance of Vendors/ Suppliers/ Contractors/ Consultants.
- 2.15** Site level committee of Three members shall be formed for location other than Indore (HO), comprising of OIC of the location and available senior most members at the location of User and HSE-Q department.
Site level committee of Two members shall be formed for Indore location, comprising of available senior most members of User and HSE-Q department below HOD level.
- 2.16** As per the recommendations received from Site level Committee and HO level Committee, Head of the C&P department has to take Approval from Competent Authority prior issuing any letter to vendor regarding putting a vendor on a Watch list or Holiday list.
However, Show Cause/Explanation notices for putting vendors on Watch list or Holiday list may be issued by HOD of user department or HOD (C&P).



AAVANTIKA GAS LIMITED
PERFORMANCE RATING DATA SHEET

- (i) Project/Work Centre :
- (ii) Order/Contract No. & Date :
- (iii) Brief description of Items Works/Assignment:
- (iv) Order/Contract value (Rs.) :
- (v) Name of Vendor/Contractor/ Supplier/Consultant :
- (vi) Contractual delivery/ Completion Schedule:
- (vii) Actual delivery/ Completion date:

Performance Parameter	Delivery/Completion Performance	Quality Performance	Reliability Performance#	Total
Maximum Marks	40	40	20	100
Marks Allocated (*)				

Note:
Remarks (if any)

PERFORMANCE RATING ()**

Note:

- (#) Vendor/Supplier/Contractor/Consultant who seek repeated financial assistance or deviation beyond contract payment term or seeking direct payment to the sub-vendor/ sub-contractor due to financial constraints, then '0' marks should be allotted against Reliability Performance.
- (*) Allocation of marks would be as per enclosed instructions
- (**) Performance rating shall be classified as under:

Sl. No.	Range (Marks)	Rating
1.	60 & below	POOR
2.	61 - 70	FAIR
3.	71 - 80	GOOD
4.	81 - 90	VERY GOOD
5.	MORE THAN 90	EXCELLENT

Signature of Authorized signatory with Name & Designation

INSTRUCTIONS FOR ALLOCATION OF MARKS

Marks are to be allocated as under:

i. DELIVERY/COMPLETION PERFORMANCE: 40 MARKS

Delivery Period / completion Schedule		Delay in Weeks	Marks
a)	Up to 3 months	Before CDD	40
		Delay up to 3 weeks	35
		Delay up to 6 weeks	30
		Delay up to 9 weeks	25
		Delay up to 12 weeks	20
		Delay up to 15 weeks	15
		More than 15 weeks	0
b)	Above 3 months	Before CDD	40
		Delay up to 4 weeks	35
		Delay up to 8 weeks	30
		Delay up to 10 weeks	25
		Delay up to 16 weeks	20
		Delay up to 20 weeks	15
		Delay up to 24 weeks	10
	More than 24 weeks	0	

ii. QUALITY PERFORMANCE 40 MARKS

For Normal Cases: No Defects/No Deviation/No failure: 40 marks

i)	Rejection/Defects	Marks to be allocated on pro-rata basis for acceptable quantity as compared to total quantity for normal cases	10 Marks
ii)	When quality failure endangers the system integration and safety of the system.	Failure of severe nature - Moderate nature - low severe nature	0 marks 5 marks 10-25 marks

iii)	Number of deviations	No. deviation No. of deviations <=2 No. of deviations >2	5 Marks 2 marks 0 marks
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iii. RELIABILITY PERFORMANCE **20 MARKS**
FOR WORKS / CONTRACTS

i) Submission of order acceptance, agreement, PBG,		4 marks
	Drawings and other documents within time	
ii)	Mobilization of resources as per Contract and in time	4 marks
iii)	Liquidation of Check-list points	4 marks
iv)	Compliance to statutory and HS & E requirements Or Reliability of Estimates/Design/Drawing etc. in case of Consultancy jobs	4 marks
v)	Timely submission of estimates and other documents for Extra, Substituted & AHR items	4 marks

FOR SUPPLIES

i)	Submission of order acceptance, PBG , Drawing and other documents within time	5 marks
ii)	Attending complaints and requests for after Sales service/warranty repairs and/or query/advice (up to the evaluation period)	5 marks
iii)	Response to various correspondence and conformance to standards like ISO	5 marks
iv)	Submission of all required documents including Test Certificates at the time of supply	5 marks

EIC Signature:

EIC Remarks:



E-Tender No.: AGL/Head Office/Contract and Purchase/12/25-26/ET/12
[LT PANEL WITH APFC]
DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF LT PANEL WITH APFC



SECTION III

SCOPE OF WORK AND TECHNICAL SPECIFICATION

Bidder Seal & Sign

NATURAL GAS- CLEAN ENERGY, GREEN ENERGY

CODES, STANDARDS AND STATUTORY REGULATIONS

All equipment, materials and construction shall be in accordance with the latest issues of ISS, Indian Electricity rules, fire insurance regulations, factory act and regulation.

CMRI	Central Mines Research institute
IEEE	Institute of Electrical & Electronics Engineers
IER	The Indian Electricity Rules.
IEA	The Indian Electricity Act.
API	American Petroleum Institute
PESO	Petroleum and Explosives Safety Organization
NFPA	National Fire Protection Association

BIS Bureau of Indian Standards, as applicable but not limited to following;

IS: 731 - Code of Practice for Electrical Wiring Installations.
IS: 1646 - Code of Practice for Fire Safety of Buildings (General) Electrical Installation.
IS: 7689 - Guide for control of undesirable static electricity.
IS: 900 - Code of Practice for Installation and Maintenance of Induction Motors.
IS:10118 - Code of Practice for Selection, Installation and Maintenance of Switch gear and Parts I to IV control gear
IS: 5571 - Guide for Selection of Electrical Equipment for Hazardous Areas.
IS: 5571 - Classification of Hazardous Areas of Electrical Installation.
IS: 5116 - Safety Procedure and Practice in Electrical work

REGULATIONS

The electrical equipment/ installation offered shall comply with requirements of the following rules/ regulations as amended up to date:

- The Indian Electricity Rules
- The Indian Electricity Act
- The Indian Electricity Supply Act
- The Indian Factories Act
- National Building Code (ISI Publication)
- National Electrical Code (ISI Publication)
- Oil Industry Supply Directorate (OISD) Standards.
- Regulations for the Electrical Equipment of Buildings - The Institution of Electrical Owner's representatives
- Any other State Regulations in force

APPROVAL FROM STATUTORY AUTHORITY

The contractor shall obtain the necessary clearance from the electrical inspector/competent authority for equipment supplied and installed. All necessary drawings, calculations, test certificates etc. as required by Electrical Inspector/Competent Authority shall be furnished. Any modification/ rectification as required by him shall be carried out free of cost.

EQUIPMENT & MATERIALS

Equipment supplied by the Contractor shall conform to the Owner's/Owner's Representatives 'Particular Specifications' for such equipment. These specifications may also be detailed in the documents. Materials not specifically described shall be of the best quality, complying with applicable codes,

standards or current Owner's representative practice.

INSTALLATION DOCUMENTS:

The Owner shall furnish the following drawings & documents for erection:

- Single Line diagram for main Power Distribution Panel, Cable Schedule, giving type and sizes of cables, approximate route length, etc. for all power, control and instrument cables.
- The classification and extent of hazardous areas.

The Contractor shall prepare the following execution drawings & documents for erection:

- Cable Layout with details-nos of runs, size of cable, type of cable
- Equipments arrangement plan in Electrical Room

APPROVAL OF DRAWINGS

- The execution drawings prepared by the Contractor shall be submitted to the Owner/Owner's representative for comments/approval, before they are finalized. The number of copies to be furnished by the Contractor shall be indicated in the "Drawing & documents".
- The Contractor shall be responsible for obtaining approvals of drawings and installation from statutory Authorities and Electrical Inspector, if required.

EQUIPMENTS & MATERIALS:

GENERAL

- All equipment and materials supplied by the Contractor shall be in line with approved technical specifications, Approved drawings as applicable, Approved QAP as applicable and suitable in all respects for the type of environment in which these are to be used.
- Panel shall be designed for a minimum of 25 KA sec Short Circuit current as per final drawing. Accordingly, Incoming and Outgoing feeders shall be provided with SFUs/ MCCBs as per SLD of the same S.C. current capacity. MCCBs with current limiters to achieve the stated SC current shall not be acceptable
- Panel Bus Bar sizing (Al/Cu) shall be as per IS standard. In any case, the de-ration of the bus bars shall not exceed 75% of the rated current carrying capacity indicated by bus-bar manufacturer. Maximum operating height of any switch in the panel shall not exceed 1800mm from Final Floor Level. FR PVC copper wires of reputed make shall be used for internal (Power / control / auxiliary) wiring of the panel. Separate Cable Alley shall be used for terminating the Outgoing cables. Panel shall be freestanding type and shall be of following features. a. Floor Mounted b. Modular construction non draws out and dead front type. c. Separate Earth bus bar shall be provided throughout the panel and provision for earthing the same at both the ends of the panel with suitable hole and Bolt / nuts and washers.
- All equipment shall be of robust construction. The enclosures of equipment installed indoors shall be dust and damp proof. Equipments installed outdoors shall have weather proof enclosures.
- All equipment and materials supplied by the Contractor shall be inspected & approved by Owner/Owner's representative regarding its quality, conformity with specifications and standards and suitability for site conditions.
- The Contractor shall furnish required number of copies of test certificates from manufacturers for the equipment

CARE OF EQUIPMENT AND MATERIALS

- The contractor shall be entirely responsible for the safe storage and care of equipment and materials during execution of the contract.
- The Contractor shall be responsible for the care and maintenance of all electrical equipment, after installations are completed and until the Certificate of Acceptance of Electrical installation is signed by the Owner.

- The Contractor shall ensure that the proper enclosure of equipment is maintained at all times and that access doors or covers are opened only when necessary to work upon the equipment. All unused cable or conduit entries shall be effectively sealed.
- The Contractor shall bring to the attention of the Owner / Owner's representative, in writing, any damage which may occur to electrical equipment after installation and shall also notify the Owner's representative of any abuse of electrical equipment which might cause damage.

TECHNICAL SPECIFICATIONS-MATERIALS AND SERVICES:

POWER DISTRIBUTION BOARD / LT PANEL / DISTRIBUTION BOARDS

This specification covers the requirement of design, fabrication, testing, packing and supply of sheet steel distribution board in single front execution required for receipt, control and distribution of power to various medium voltage loads. Main Electrical Distribution Board and Sub-Distribution Panels shall be suitable for operation on 3 Phase/single phase, 415/240 volts, 50 Hz. The electrical panels shall be designed as per details provided by Aavantika Gas.

CODES AND STANDARDS

1. The equipment shall comply with the requirements of latest revision of following standards issued by BIS unless otherwise specified.
 - IS: 771 AC Electricity Meters
 - IS: 1148 Direct acting electrical indicating instruments
 - IS: 1705 Current transformers
 - IS: 1814 Method for determining the comparative tracking index of solid Insulating materials under moist conditions
 - IS: 3156 Voltage transformers
 - IS: 3131 Electrical relays for power systems protection.
 - IS: 3618 Phosphate treatment of iron and steel for protection against Corrosion.
 - IS: 5081 Material data for aluminium bus bars.
 - IS: 5578 Guide for marking of insulated conductor.
 - IS: 6005 Code of practice of Phosphate of iron and steel
 - IS: 8613 Factory built assemblies of switchgear and control gear for voltages upto and including 1000 V AC and 1100 V DC. Part -II particular requirements for bus bar trucking systems (bus ways).
 - IS: 11353 Guide for uniform system marking and identification of conductors and apparatus terminals.
 - IS: 13703 Low voltage fuses.
 - IS: 13947 : LV Switchgear and control gear. (Part-1 to Part-5)
2. In case of imported equipment standards of the country of origin shall be applicable if these standards are equivalent or stringent than the applicable Indian standards.
3. The equipment shall also conform to the provisions of Indian Electricity rules and other statutory regulations currently in force in the country.
4. In case Indian standards are not available for any equipment, standards issued by IEC/BS / VDE/ IEEE/ NEMA or equivalent agency shall be applicable
5. In case of any contradiction between various referred standards /specifications / data sheet and statutory regulations the following order of priority shall govern:
 - Statutory regulations
 - Data sheets
 - Job specification
 - Codes and standards

SITE CONDITIONS

- The PDBs shall be suitable for installation and satisfactory operation in a substation with restricted natural air ventilation in tropical, humid and corrosive atmospheres. The PDBs shall be designed to

operate under specified site conditions. If not specifically mentioned a design ambient temperature of 50°C and altitude not exceeding 1000 meters above mean sea level shall be considered.

- All the equipment described in this specification is intended for continuous duty at the Specified ratings under the specified ambient conditions unless indicated otherwise

DESIGN AND FABRICATION REQUIREMENTS (Main Power Distribution Panel with APFC)

The distribution board shall meet the requirements of distribution board data sheet, and following requirements of this specification in addition to the general requirements as per latest editions of applicable Indian standards

- The distribution board shall be free standing/ stand type as required, suitable for wall/floor mounting, with complete front access for operation and maintenance. The distribution board shall be fixed type in single front execution, assembled in single line up, metal enclosed, fully compartmentalized, totally segregated compartments for feeders, cables and bus bar, dust and vermin proof suitable for indoor installation.
- Distribution board enclosure shall provide a degree of protection not less than IP-51 as per applicable IS. All distribution panel /boards shall be suitable for the climatic conditions as specified in Special Conditions and for ambient temperature of 52° C.
- A base channel of ISMC (75X40x6mm) shall be provided at the bottom for floormounted panels. Minimum clearance of 300 mm shall be provided between the floor of Distribution panels and the lowest unit. The cable terminals in the cable alley shall start from 300mm above the gland plate.
- The switchgear shall be assembled out of vertical panels of uniform height not exceeding 1450 mm. The maximum height of the operating handle/switches shall not exceed 1900 mm and the minimum height not below 300 mm.
- Distribution panels shall be of adequate size with a provision of spare switchgear as indicated in the Single Line Diagram. Modules shall be arranged in multi-tier. Knockout holes of appropriate size and number shall be provided in the Distribution panels in conformity with the location of cable/conduit connections. Removable sheet steel plates shall be provided at the top/bottom to make holes for additional cable entry at site if required.
- Cable alleys shall be provided in the Distribution panels for easy clamping of all incoming and outgoing cables entering from the top/bottom. Minimum width of the cable alley shall be 250mm. Adequate supports shall be provided in cable compartment to support cables. All cable terminals / terminations vulnerable to inadvertent contact shall be shrouded by providing transparent insulating sheet of minimum thickness of 5 mm.
- Every cabinet shall be provided with engraved metal nameplates. All live accessible connections shall be shrouded and minimum clearance between phase and earth shall be 20 mm and phase-to-phase shall be 25 mm.
- All sheet steelwork shall undergo a process of degreasing, pickling in acid, cold rinsing, phosphating, passivating (seven tank processing) and then painted with electrostatic paint (Powder coating). The shade of colour of panel inside / outside shall be RAL 7032 (or as specified in approved drawing) and black colour for base channel.
- The distribution board shall be designed to ensure maximum safety during operation, inspection, and connection of cables, relocation of outgoing circuits and maintenance with the energized bus bar system and without taking any special precautions. The switchgear shall permit maximum interchangeability and shall be extensible on either side.
- Distribution feeders (small MCBs) shall have double door type arrangement to avoid open entry in future.
- The distribution board shall be sheet steel clad with the frame fabricated out of 2mm cold rolled sheet steel and doors/covers out of 1.6mm cold rolled sheet steel, having heavy duty integral base frame for each vertical panel.
- All hardware shall be corrosion resistant. All joints and connections of the panel members shall be made of galvanised, zinc passivated or cadmium plated high quality steel bolts, nuts and washers, secured against loosening.
- All openings, covers and doors shall be provided with neoprene gaskets around the perimeter to make the distribution board dust and vermin proof. Suitable lifting hooks shall be provided and each shipping section for ease of lifting of switchboard.

- n. All metal surfaces shall be thoroughly cleaned, degreased to remove mill scale, rust, grease and dirt. Fabricated structure shall be pickled and then rinsed to remove any trace of acid. The under coat shall be prepared by applying a coat of phosphate paint and a coat of yellow zinc chromate primer. The distribution board shall be powder coated. Pre-treatment of the distribution board shall be done by 7 tank process before powder coating. The final paint shade shall be as per manufacturer standard unless specified otherwise.
- o. The distribution board shall be suitable for bottom cable entry unless specified otherwise and shall be provided with removable gland plates unless otherwise specified. The distribution board shall have a separate cable alley for each vertical panel with cable tying arrangement. The width shall be sufficient to accommodate the required number of cables. However, in any case it shall not be less than 100mm width. The cable alley shall be provided with a suitable hinged door. Required number of single/Double compression nickel plated brass/aluminium cable glands and tinned copper/aluminium compression type lugs for all power and control cables shall be included in the vendor's scope of supply.
- p. The distribution board shall comprise of incoming load break switch/MCCB/Switch Fuse Unit Panel, Contactor, outgoing switch fuse/MCCB, MCB/ contactors feeders, motor starter feeders, control supply transformers, both power and auxiliary/control bus bars, cable termination compartment etc. All these shall be housed in independent compartments separated from each other by metallic barrier.
- q. Main bus bars shall be provided in separate compartment. Vertical bus bars required for connection between main bus bars and outgoing feeders shall be in separate vertical chamber.
- r. All components including bus bars and cable termination shall be accessible only from the front side for repair and maintenance.
- s. Each outgoing feeder shall be in multitier arrangement having minimum height of module as defined in distribution board data sheet. All feeders shall be of modular design with height in multiple of standard unit size.
- t. Number and rating of feeders shall be as per electrical load list/single line diagram. The components rating and type for various types of outgoing feeders such as motor feeders shall be selected based on package requirement.
- u. All auxiliary devices for control, indication, measurement and protection except the bimetallic relays shall be mounted on the front side of the respective compartment. Components requiring frequent inspection during operation shall be easily accessible.
- v. Main bus bars shall be of high conductivity Electrical Grade Copper/Aluminium having uniform current rating throughout their length. Horizontal and vertical bus bars shall be sized (as per GAD) depending upon the maximum expected current and to limit the specified maximum operating temperature at specified design ambient temperature.
- w. The maximum operating temperature of bus bars including joints at the maximum design temperature inside the panel shall not exceed 95°C under normal operating conditions.
- x. Minimum clearance between live parts, between live parts/neutral to ground shall be 20 mm.
- y. Adequately sized copper/aluminium bus bars running horizontally in a separate enclosure shall be provided for space heaters, control supply and metering requirements. Necessary tee-off connections shall be used for distributing auxiliary supply to each vertical panel.
- z. All horizontal and vertical bus bars shall be insulated with heat shrink PVC sleeves of 1100 V grade and removable shrouds shall be provided for joints. All bus bars shall be prominently marked with Red; Yellow and Blue colour rings for easy phase identification at regular interval and at every power tap off point and designed to withstand specified short circuit currents for one second.
- aa. The distribution board with provision for interconnection to earthing grid at two ends. All non-current carrying metallic parts of the mounted equipment shall be earthed. Doors and movable parts shall be earthed using flexible copper connections.
- bb. Inside the distribution boards, the wiring for power, control, signalling protection and instrument circuits shall be done with PVC insulated copper/aluminium conductors having 660/1100 V grade insulation.
- cc. Clamp type terminals shall be acceptable for wires upto 10 mm² sizes, for conductors larger than 10mm² bolt type terminals with crimping lugs shall be provided. Each wire shall be terminated at a separate terminal. A minimum of 10% spare terminal shall be provided on each terminal block. Shorting links shall be provided for all CT terminals.
- dd. Components of the similar modules of same sizes shall be identically located and wired. Control supply change over switch shall be provided in case the distribution board is with two bus-sections.

WIRING

- a. Power and control terminals shall be segregated and shall be provided with necessary ferrule marking as per the wiring diagrams.
- b. PVC insulated solid/stranded copper conductors of adequate size shall be used for internal wiring.
- c. Minimum size of the copper conductor for power shall be 4.0 mm² and that for the control wiring shall be 2.5 mm². The CT secondary wiring shall be carried out using copper stranded conductor of 2.5mm².
- d. Ring type cable lugs shall be used for termination of wires of CT secondary circuit and wires of power circuit within the modules.
- e. Non - current carrying metal/movable parts shall be properly grounded through flexible braided copper conductors.
- f. Phase insulating barriers shall be provided wherever it is not possible to maintain a minimum clearance of 19mm (between phase to neutral) and 25 mm (between phase to phase.)

PAINTING

All sheet steelwork shall undergo a process of degreasing, pickling in acid, cold rinsing, phosphating, passivating (seven tank processing) and then painted with electrostatic paint (Powder coating). The colour of panel inside / outside shall be RAL 7032 and black colour for base channel.

LABELS

Engraved metal labels shall be provided on all incoming and outgoing feeder. Circuit diagram showing the arrangements of the circuit inside the distribution panels shall be pasted on inside of the panel door and covered with transparent plastic sheet

BUS-BAR CONNECTIONS

Bus bar and interconnections shall be of high conductivity electrolytic grade aluminium (E 91E) / Copper and of rectangular cross section suitable for carrying the rated full load current and short circuit current without overheating of phase and neutral bus bars and shall be extendable on either side.

Bus bars and interconnections shall be insulated with heat shrinkable sleeve and shall be colour-coded. Bus bars shall be supported on glass fibre reinforced thermosetting plastic insulated supports at regular intervals to withstand the force arising from in case of short circuit in the system.

All bus bars shall be provided in a separate chamber and bolting shall do all connections. Additional cross-sectional area to be added to the bus bar to compensate for the holes. All connections between bus bars and breakers/MCCB/switches shall be through solid aluminium strips of proper size to carry full rated current and insulated with insulating sleeves. The Main Distribution board shall be designed for the short circuit capacity of 25 kA for 1 sec.

Unless otherwise specified, in the case of external surface of enclosures of bus bar trunking system which shall be accessible but do not need to be touched during normal operation, an increase in the temperature rise limits of 25° C above ambient temperature shall be permissible for metal surface and of 15° C above ambient temperature for insulating surfaces as per IS 8623(Part-2) 1993.

Bus bar size for the Neutral shall be same as that of phases and Earth shall be half that of the main phase.

All joints shall be made after applying antioxidant petroleum jelly.

METERS/CTS

All currents more than 10A shall be measured through CTs. All phases shall be provided with CT of minimum burden of 10VA with 5A secondaries.

The CTs shall conform to the relevant IS. The design and construction shall be dry type, epoxy resin cast and suitable for withstanding thermal and dynamic stresses during short circuit conditions.

The secondary terminal of the CT shall be brought out suitably to a terminal block which shall be easily accessible for testing.

The protection CTs shall be of accuracy class 5P10 and that for the measurement shall be of accuracy class 1.

The ammeters and voltmeters shall be of taut band of square shape with 240° deflection type. The

voltmeter/ammeter for incoming circuit shall be of 144x144 mm and that for the outgoing feeders shall be of 96x96 mm. size. Ammeter for motor circuit shall be of suppressed scale type. Voltmeter shall be provided through protection fuses. Ammeter shall be provided in each motor feeder. The Indication lamps shall be of LED cluster type.

GLAND PLATE

Cable gland plate (3mm thick sheet steel) shall be detachable and undrilled and shall be provided at the bottom to facilitate cable entry from the bottom. The size of the gland plate shall be adequate to accommodate all the cables conveniently.

SAFETY INTERLOCK

The feeders with rotary switches and operating handle for MCCBs/SFU shall be provided with mechanical interlock so that it will be possible to open the module only when the switch fuse unit / MCCB is in OFF position. However, it shall be possible to defeat this interlock

MOULDED CASE CIRCUIT BREAKER (MCCB)

MCCB shall be Current Limiting and shall comprise Quick Make/break switching mechanism with Double Break Contact system, arc extinguishing device and the tripping unit shall be contained in a compact, high strength, heat resistant, flame retardant, insulating moulded case with high withstand capability against thermal and mechanical stresses.

All MCCB's shall be capable of variable overload adjustment at site. All MCCB's rated as per Single line diagram and above shall have adjustable magnetic short circuit pick up. The trip command shall override all other commands. MCCB shall employ maintenance free double break contact system to minimize the let thru' energies and capable of achieving discrimination upto full short circuit capacity of downstream MCCB. The manufacturer shall provide both discrimination tables and let thru energy curves.

The breaking capacity of MCCB's shall be 25 kA respectively. The breaking capacities shall be as per type-2 co-ordination as per IEC-947-2, 1989/ IS 13947-2,1993

The MCCB's shall be provided with rotary handle operating mechanism. The handle position shall give positive indication of 'ON', 'OFF' or 'tripped'

SWITCH FUSE UNIT

The switch fuse unit shall be 415V, TPN AC23 duty with double break power contacts and shall be sheet steel enclosed type and shall conform to IS 13947 –1993. Top and bottom cable chambers shall be provided additionally in all the SFUs rated 150A and above or as per SLD. The operating handle shall be rotary type and padlocking facility shall be given in the SFUs The SFUs shall be provided with applicable feeder label/markings.

CHANGEOVER SWITCH

Changeover Switch shall be ON load 415V, 4 Pole AC-23 type of ratings as given in the SOR and shall conform to IS: 13947 –1993.

MINIATURE CIRCUIT BREAKER (MCB)

Miniature Circuit Breaker shall comply with IS-8828-1996/IEC898-1995. Miniature circuit breakers shall be quick make and break type for 240/415 V, AC 50 Hz application with magnetic thermal release for over current and short circuit protection.

The breaking capacity shall not be less than 10 kA at 415 VAC. MCBs shall be DIN mounted. The MCB shall be Current Limiting type (Class-3). MCBs shall be classified (B, C, D ref IS standard) as per their Tripping Characteristic curves defined by the manufacturer. The MCB shall have the minimum power loss

(Watts) per pole defined as per the IS/IEC and the manufacturer shall publish the values.

The housing shall be heat resistant and having high impact strength. The terminals shall be protected against finger contact to IP20 Degree of protection. All DP, TP and TPN miniature circuit breakers shall have a common trip bar independent to the external operating handle.

AUTO POWER FACTOR CORRECTION UNIT (CAPACITOR BANK)

Scope

Design, manufacture, supply, erection, testing and commissioning of Indoor type power correction capacitor banks for power factor improvement as per specification given below.

Standard

Unless otherwise stated below, the power capacitors shall conform to IS: 2834 - 1986.

Rating

The Capacitor rating and quantity stage wise shall be used as per approved drawings.

Construction

The Capacitor shall be APP/MPP type. The elements shall be connected to the external bus bars through these leads in a series parallel connection to form a three-phase unit.

The capacitor units shall be enclosure in wall mounting type sheet steel enclosed and controlled from MEDB. The container of capacitors shall be hermetically sealed made from 2 mm thick M S sheet steel and synthetic non-inflammable oil shall be used for insulation. Each standard unit shall be provided with a built-in fuse.

Discharge Resistance

Capacitors shall be provided with permanently connected discharge resistors so that residual voltage of capacitors is reduced to 50 volts or less within one minute after the capacitors are disconnected from the source of supply.

Terminals

Each capacitor bank shall be provided with a terminal chamber and cable glands suitable for termination of PVC insulated, PVC sheathed, steel armoured, copper conductor cables.

Earthing

Two separate earthing terminals shall be provided for earth connection of each bank.

Testing

The capacitor bank shall be subject to tests as specified in relevant Indian Standards at the factory and the test certificates shall be furnished in quadruplicate.

Installation

Capacitor banks shall be installed as per installation manual of supplier and shall conform to relevant Indian Standards.

All interconnections in the control panel shall be checked before commissioning.

Cable end boxes shall be sealed after cable connections to prevent absorption of moisture.

Testing and Commissioning

Insulation resistance shall be tested with a 1000 volts meggar between phases and phase to earth.

Residual voltage shall be measured after switching of the capacitors and the same shall not be more than 50 volts after one minute.

Each discharge resistor shall be tested for its working.

INSPECTION, TESTING AND ACCEPTANCE OF PANEL

In addition to the expediting/inspection activities being undertaken by the package vendor,

distribution board shall be subject to inspection by Approved TPIA/Owner or by an agency authorized by the owner. All necessary information concerning the supply shall be furnished to Owners inspectors. Two weeks' notice shall be given to Owner for witnessing the final testing of the complete assembly to ensure satisfactory operation of all components.

Tests shall be carried out at the manufacturer works under his supervision and at his cost.

All routine tests as specified by the applicable standards and codes & approved QAP shall be conducted. Typical QAP is prepared as below for kind reference. Type tests certificates of a recognized testing organization shall be furnished with the bids.

The vendor shall also submit the guaranteed technical with the bids. In addition, specified tests shall be conducted to check mechanical and electrical operation and the control wiring to specification and schematic drawings.

Acceptance tests shall be as follows: a

. A general visual check shall be carried out. This shall cover measurement of overall dimensions, location, number, and type of devices and their ratings as per bill of materials, terminal blocks, location and connection of terminals.

b. Manual and electrical operation of switches, contactors, relays etc. under various conditions of supply voltage.

c. Insulation resistance of the main and auxiliary circuit shall be checked.

d. Operation check for every control function as per the schematic diagram by manually simulating the actual operating conditions.

e. Primary injection test to check winding of current transformers, ammeter, ammeter selector switch and correctness of wiring connection between them.

f. Relays shall preferably be tested with secondary injection test equipment.

For equipment bought from other sub-suppliers certified test reports of tests carried out at the manufacturer's works shall be submitted. All routine tests as specified in the relevant standards shall be conducted by the sub-supplier at his works. In addition, type test if specified shall be additionally carried out and witnessed by the owner at CPRI/approved testing authority.

PACKING AND DESPATCH

All the equipment shall be divided in to several shipping sections for protection and ease of handling during transportation. The panels shall be wrapped in polyethylene sheets before being placed in wooden crates /cases to prevent damage to the finish. Crates /cases shall have skid bottoms for handling. Special precaution notations such as Fragile, this side up, centre of gravity, weight, Owner's, Purchase number etc. shall be clearly marked on the package together with other details as per purchase order. The equipment may be stored outdoors for long periods before installation.

ERECTION SPECIFICATIONS

All electrical panels/distribution board/electrical equipment/cables and other material shall be inspected again after receipt at site and shall be checked for completeness and damage etc. Discrepancies if any shall be made up before taking up the erection.

All electrical panels shall be properly installed as per the applicable layout drawings. The

installation shall be as per the applicable standards and Indian Electricity Rules. Panels shall be properly grouted/fixed to the base channel. The panels/switchboards shall be erected under the supervision of the manufacturer's supervisor and AAVANTIKA GAS's site representative. The manufacturer's supervisor shall be arranged by the Contractor. The panel shall be charged only after written clearance from manufacturer and AAVANTIKA GAS. The site tests for all equipment shall be conducted as per the recommendation of the respective manufacturer.

Alignment/levelling etc. shall be thoroughly checked before fixing the panel permanently. The panel shall be fixed to the supporting channel through tag welding.

Bi-metallic washers shall be used at the points wherever Aluminium/Copper joints are involved.

All the meters and the protective relay and the associated CTs shall be tested and calibrated in the presence of AAVANTIKA GAS's authorized representative and manufacturer's representative. The test and calibration report thereof shall be documented and submitted to AAVANTIKA GAS.

CABLE SPECIFICATIONS

Power Cables

Power cable of 1.1 kV grade, Multi-stranded Aluminium/Copper conductor, XLPE insulated, extruded PVC inner sheathed, GI round wire armoured, extruded FRLS PVC ST2 outer sheathed, conforming to latest IS: 7098 (Part-I) and as per the technical specifications listed. All LT cables conform to standard specification and relevant sections of IS: 1554 Part I and IS: 7098. Unarmoured cables will be used wherever specified on the cable schedule only.

Control Cables

Control cables shall be 1100 Volt Grade, 2.5 mm² copper conductor PVC insulated, extruded PVC inner sheathed, GI Wire armoured and overall FRLS PVC sheathed, as per IS:1554. Unarmoured cables shall be used wherever specified on the cable schedule only.

INSPECTION, TESTING AND ACCEPTANCE OF CABLE

All routine tests, acceptance tests, type tests shall be carried out as listed in IS: 1554 (Part-I) and IS: 7098 (Part-1) on PVC and XLPE insulated cables respectively and as per approved QAP. The QAP shall be prepared and submitted for owner approval.

The test requirements for PVC insulation and sheath of cables shall be as per latest revision of IS: 5831

For Flameproof type cable, the Oxygen Index Test shall be carried out as per ASTM D1863 or applicable Indian Standard specifications. The flammability test also shall be carried out on finished cable as per IS – 10810 (part 61 & 61). Sampling for these tests is to be done randomly once for each order, provided outer sheath remains same.

These tests are required to be witnessed by Approved TPIA/owner before dispatch of cables as per approved QAP.

The cables shall be tested and inspected at the manufacturer's works. All the materials employed in the manufacture of the cable shall be subjected, both before and after manufacture, to examination, testing and approval by owner. For small qty of cable (less than 450 m of above 35mm² and less than 900 m of upto 35 sq.mm) TORRENT GAS may review test certificate only.

Manufacturer shall furnish all necessary information concerning the supply to owner's inspectors. The inspector shall have free access to the manufacturer's works for the purpose of inspecting the process of manufacture in all its stages and he will have the power to reject any material, which appears to him to be of unsuitable description or of unsatisfactory quality.

The vendor shall give at least 1-week advance notice to the purchaser, regarding the date of testing to

enable him or his representative to witness the tests.

After completion of manufacture of cables and prior to dispatch, the cables shall be subjected to type, routine, acceptance and special tests as detailed below. Owner reserve the right to witness all tests with enough advance notice from vendor. The test reports for all cables shall be got approved from the Engineer before dispatch of the cables.

CABLE LAYING

Cable network shall include power, control, lighting and communication cables, which shall be laid in trenches, cable trays or conduits as detailed in the relevant drawings and cable schedule. Erection of cable trays as required shall be checked after erection and marked in as built drawings. Cable routing given on the layout drawings shall be checked in the field to avoid interference with structures, heat sources, drains, piping, air- conditioning duct etc. and minor adjustments shall be done to suit the field conditions wherever deemed necessary without any extra cost.

High Voltage, medium voltage and other cables shall be separated from each other by adequate spacing or running through independent pipes, trenches or cables trays, as applicable.

All communication cables RTD Cables shall run on instrument trays/ ducts/ trenches. Wherever these are not available, cables shall be taken in a separate trench with a minimum clearance of 300 mm away from electrical trench as per the direction of Engineer-in-Charge and Communication cables shall cross power cables at right angles.

Cables as far as possible shall be laid in complete, uncut lengths from one termination to the other.

Cables shall be neatly arranged in the trenches/ trays in such a manner so that crisscrossing is avoided, and final take off to the motor/ switchgear is facilitated. Arrangement of cables within the trenches/ trays shall be the responsibility of the Contractor. Cable routing between lined cable trench and equipment/ motors shall be taken through GI pipe sleeves of adequate size.

All cable routes shall be carefully measured, and cables cut to the required lengths, leaving enough lengths for the final connection of the cable to the terminal of the equipment. The various cable lengths cut from the cable reels shall be carefully selected to prevent undue wastage of cables. The quantity indicated in the cable schedule is only approximate. The contractor shall ascertain the exact requirement of cable for a feeder by measuring at site and avoiding interference with structure, foundation, pipelines or any other works. Before the start of cable laying, cable drum schedule; shall be prepared by electrician contactor and get that approved by Engineer-in-Charge to minimize/ avoid straight through joints required. Contractor shall work out the actual number of straight through joints required.

Pipe sleeves shall be laid at an angle of maximum 45° to the trench wall. In case of larger dia cables, i.e., 50 mm and above, adequately sized pipe with larger bend radius shall be provided for ease of drawing of cable or for replacement. In places where it is not possible, a smaller trench may be provided if approved by Engineer-in-Charge.

All cables will be identified close to their termination point by cable numbers as per cable schedule. Cable numbers will be punched on aluminium straps (2 mm thick) securely fastened to the cable and wrapped around it. Alternatively, cable tags shall be circular in construction to which cable numbers can be conveniently punched.

Each underground cable shall be provided with identity tags of lead securely fastened every 30 m of its underground length with at least one tag at each end before the cable enters the ground. In unpaved areas, cable trenches shall be identified by means of markers as per standard drawing. These posts shall be placed at location of changes in the direction of cables and at intervals of not more than 30 M and at cable joint locations.

All temporary ends of cable must be protected against dirt and moisture to prevent damage to the insulation. For this purpose, ends of all PVC insulated cables shall be taped with an approved PVC or rubber insulating tape. Use of friction type or other fabric type tape is not permitted.

Directly buried cables shall be laid underground in excavated cable trenches where specified in layout drawings. Trenches shall be of enough depth and width for accommodation of all cables correctly spaced and arranged with a view of heat dissipation and economy of design.

Minimum depth of buried cable trench shall be 750 mm for low voltage and 900 mm for HV Cables (if required), the depth and the width of the trench shall vary depending upon the number of layers of

cables.

Cables shall be laid in trenches at depth as shown in the drawing. Before cables are placed, the trenches bottom shall be filled with a layer of sand. This sand shall be levelled, and cables laid over it. These cables shall be covered with 150 mm of sand on top of the largest diameter cable and sand shall be lightly pressed. A protective covering of 75 mm thick second-class red bricks shall then be laid flat. The remainder of the trench shall then be back-filled with soil, rammed and levelled.

As each row of cables is laid in place and before covering with sand every cable shall be given an insulation test in the presence of Engineer-in-Charge/ Owner. Any cable which proves defective shall be replaced before the next group of cables are laid.

All wall openings/ pipe sleeves shall be effectively sealed after installation of cables to avoid seepage of water inside building/ lined trench.

Where cables rise from trenches to motor, control station, lighting panels etc., they shall be taken in GI pipes for mechanical protection upto a minimum of 300 mm above finished ground level.

Cable ends shall be carefully pulled through the conduits, to prevent damage to the cable. Where required, approved cable lubricant shall be used for this purpose. Where cable enters conduit, the cable should be bent in large radius. Radius shall not be less than the recommended bending radius of the cables specified by the manufacturer.

After the cables are installed and all testing is complete, conduit ends above grade shall be plugged with a suitable weatherproof plastic compound/ 'PUTTI' for sealing purpose. The cost for the same shall be deemed to have been included in the installation of GI pipe and no separate payment shall be allowed.

Where cables pass through foundation walls or other underground structures, the necessary ducts or openings will be provided in advance for the same. However, should it become necessary to cut holes in existing foundations or structures, the electrical contractor shall determine their location and obtain approval of the Engineer-in-Charge before cutting is done.

At road crossing and other places where cables enter pipe sleeves adequate bed of sand shall be given so that the cables do not slack and get damaged by pipe ends.

Drum number of each cable from which it is taken shall be recorded against the cable number in the cable schedule.

Cables installed above grade shall be run in trays, exposed on walls, ceiling or structures and shall be run parallel or at right angles to beams, walls or columns. Cables shall be so routed that they will not be subjected to heat from adjacent hot piping or vessels.

Individual cables or small groups which run along structures/ walls etc. will be clamped by means of 10 SWG GI saddles on 25x6 mm saddle bars. The cost of saddle and saddle bars shall be deemed to have been included in the installation of cables and no separate payment shall be made on this account. Alternatively, small group of cables can be taken through 100 mm slotted channel/ISMC 100. They shall be rightly supported on structural steel and masonry, individual or in groups as required, if drilling of steel must be resorted to, approval must be secured, and steel must be drilled where the minimum weakening of the structure will result.

GI pipes shall be laid (If required) as per layout drawings and site requirements. Before fabrication of various profiles of pipe by hydraulically operated bending machine (which is to be arranged by the contractor), all the burrs from the pipes shall be removed. GI pipes with bends shall be buried in soil/ concrete in such way that the bends shall be totally concealed. For GI pipes buried in soil, bitumen coating shall be applied on the buried lengths. Installation of GI pipes shall be undertaken well before paving is completed and necessary coordination with paving agency shall be the responsibility of Electrical Contractor. The open ends of pipes shall be suitable plugged with GI plugs after they are laid in final position. GI plugs shall be supplied by the Contractor at no extra cost.

Cable laid on supporting angle in cable trenches, structures, columns and vertical run of cable trays shall be suitably clamped by means of GI Saddles/ Clamps, whereas cable in horizontal run of cable trays shall be tied by means of nylon cords.

Supporting steel shall be painted before laying of cables. The painting shall be done with one coat of red lead paint and two coats of approved bituminous aluminium paint unless otherwise specified.

Specifications of Associated Material

All materials and hardware to be supplied by the contractor shall be new, unused and of best quality and

shall conform to the latest specifications of Bureau of Indian Standards.

Termination / Termination Kits

All cables upto 1.1 KV grade shall be terminated at the Equipments by means of double compression type cable glands. They shall have a screwed nipple with conduit electrical threads and check nut.

All cable entries shall be through bottom only and top entry terminations are made only after getting approval of Engineer-in-Charge.

Where threaded cable gland is screwed into threaded opening of different size, suitable galvanized threaded reducing bushing shall be used of approved type, at no extra cost. All switchgear and control panels shall have undrilled gland plate. Contractor shall drill holes for fixing glands wherever necessary at no extra cost. Gland plate shall be of non-magnetic material/ aluminium sheet in case of single core cables.

The cable shall be taken through double compression glands inside the panels or any other electrical equipment such as motors. The individual cores shall then be dressed and taken along the cable ways (if provided) or shall be fixed to the panels with polyethylene straps. Only control cables of single strand and lighting cables may be directly terminated on to the terminals.

In case of termination of cables at the bottom of a panel over a cable trench having no access from the bottom close fit hole should be drilled in the bottom place for all the cables in one line, then bottom plate should be split in two parts along the centre line of holes. After installation of bottom place and cables it should be sealed with cold setting compound. Cables shall be clamped over the open armouring to connect it to earth bus.

Cable leads shall be terminated at the equipment terminals, by means of crimped type solder less connectors of approved make.

Crimping shall be done by hand crimping hydraulically operated tool and conducting jelly shall be applied on the conductor. Insulation of the leads should be removed immediately before the crimping. Conductor surface shall be cleaned and shall not be left open.

Cable Glands

Cable glands shall be of nickel-plated brass unless otherwise specified. The cable glands for outdoor terminations shall be weather protected, double compression type and shall have PVC shroud for additional weather protection.

Cable glands forming a part of relevant FLP enclosure shall be FLP type, tested by CMRI or any other recognized independent testing laboratory and approved by CCE/DGMS or any other statutory authority as applicable. Indigenous FLP glands shall have valid BIS license as per the requirements of statutory authorities.

The size of cable glands supplied shall be appropriate to the size of cable so that flame proof-ness of glands is retained.

Entry thread of cable gland shall be compatible to the entry thread provided in the equipment (BS, ET, NPT, PG as applicable). If required, suitable reducers/adopters shall be used.

Cable Trays

These shall be ladder type trays either prefabricated hot dip galvanized sheet steel trays or site fabricated angle iron painted trays as specifications of Bureau of Indian Standards.

Pre-Fabricated Hot Dipped Galvanized Trays: The cable trays shall comply to the requirements specified in Owner installation std. Prefabricated hot dip galvanized sheet steel cable trays shall be used for maximum support span of 2000 mm unless design is approved for larger span. Cable trays shall be suitable for a cable weight of 50 kg/ meter running length of tray. Minimum thickness of sheet steel/ galvanizing shall be 2mm/ 86 microns respectively. The cable trays to be supplied in standard lengths of 2500 mm and clear inside width of trays shall be as follows:

- a. Perforated type trays: 50, 150, 300, 450 mm as per requirement
- b. Ladder type trays: 300, 450, 600 mm as per requirement

Cable Tray Covers shall be fabricated from 16-gauge (1.70 mm thick) M.S. sheets

Cable racks and trays shall be covered by removable top covers on upper most tier allowing adequate ventilation in following cases where:

- a. Mechanical damage of cables is likely to occur during maintenance in the plant.
- b. Oil or spillage of chemicals can be expected.
- c. Protection from exposure to sun is required.

GI cover sheet shall allow adequate ventilation to the cables and shall be in standard length of 3000 mm,

flanged on both sides for fixing on cable tray. Covers shall be complete with required GI hardware.

Cable Identification

Cable tags shall be of 2 mm thick, 20 mm wide aluminium strap of suitable length to contain cable number, equipment no., etc.

POWER & CONTROL CABLES

This specification along with data sheets covers requirements for design, manufacture, testing at works and supply of Flame Retardant Low Smoke (FRLS) PVC cables and cable terminating accessories for medium voltage systems

Terminating kits

The terminating kits shall be suitable for termination of the cables to an indoor switchgear or to a weatherproof cable box of an outdoor mounted transformer / motor. For outdoor terminations, weather shields / sealing ends and any other accessories required shall also form part of the kit. The terminating kits shall be from one of the makes / types mentioned in the data sheet.

Jointing kits

The straight through jointing kits shall be suitable for installation on overhead trays, concrete lined trenches, and ducts and for underground burial with uncontrolled backfill and possibility of flooding by water and chemicals. These shall have protection against any mechanical damage and suitably designed to be protected against rodent and termite attack. The inner sheath similar to that provided for cables shall be provided as part of straight through joint. The jointing kits shall be from one of the makes / types mentioned in the data sheet.

PREFERRED LIST OF CABLE MANUFACTURERS

- a) NICCO Corporation
- b) Cable Corporation of India Ltd
- c) Finolex Cable
- d) Torrent
- e) Polycab Wire Pvt. Ltd.
- f) KEI Industries Ltd.
- g) AVOCAB
- h) Grandlay Electrical (India)
- i) GEMSCAB

BUS BARS AND CONNECTORS

Bus bars and all other electrical connection between various components shall be made of electrolytic AL/CU of rectangular cross sections. The bus bars section shall be ample capacity to carry the rated current continuously without excessive heating and for adequately meeting the thermal and dynamic stresses in the case of short circuit in the system up to full MVA –350 MVA rating

All bus bars connections shall be firmly and rigidly mounted on suitable insulators to withstand short circuit stresses and vibrations

Adequate clearance between 11 KV / 11 KV point and earth and between phase shall be provided to ensure safety as per provision in Indian Electricity Rule 1956 and its amendment thereof and also in accordance with the relevant Indian standard specification and the same shall be capable of withstanding the specified high voltage tests as per IS13118/IEC56 (IEC100) and amendment thereof. If clearance is not adequate at any instant, bus bar shall be with sleeve of system voltage class & joints with shrouds. Sharp edges and bends either in the bus bars or bus bar connections shall be avoided as far as possible. Wherever such bends or edges are unavoidable, suitable compound or any other insulation shall be supplied to prevent local ionization and consequent flashover

1. Bus bar shall be made of high conductivity electrolytic aluminium Bus Bar using state of the art Busbar punching & Bending Machine and shall have uniform cross section throughout the length of panel.

2. THE CURRENT DENSITY CONSIDERED IS 0.8A/SQ.MM
3. The bus bar shall be adequately supported by DMC/SMC supports. Type of insulator - Ramanuj makes C.P.R.I. TESTED.
4. Earthing bus bar shall be provided throughout the length inside panel.
5. Heat shrinkable sleeves in R, Y, B and black colors shall insulate bus bar.

DESIGN DATA & OTHER SPECIFICATION:

1. Construction details: The panel shall be modular type & Single Front Fixed/ Compartmentalized/ Floor mounted dust tight.
2. IEC / IS reference: IS 8623.
3. Test Certificate: CPRI by Switchgear testing & Development Station Bhopal.
4. Rated Voltage: 415V+/- 10%o.
5. Design Ambient: As per IEC.
6. Temperature Rise : As per IEC
7. Bus bar Supports : FRP
8. Short circuit rating : 65/50 KA
9. Barriers / Shrouding : FRP, Polycarbonate Sheet
10. Color Coding of Bus Bars : By Heat Shrinkable Sleeves of black color with L1,L2,L3 &N
11. Lifting Angles: 5/8" or as required per shipping section.
12. Gasket: Synthetic foam / Neoprene.
13. Switchgear Make: L&T.

Technical Datasheet : 1200/800/400/100 Amp Power Distribution Boards				
S.N.	Technical Specification	Unit	Required	To be filled by Bidder
1.	GENERAL			
1.1	Rating	Amps	1200/800/400/100	
1.2	Rated Voltage	Volts	415V ± 10%	
1.3	Rated Frequency	Hz.	50 Hz ± 5%	
1.4	No. of Phase & wire	No.	3P & N + 4W	
1.5	Fault level	KA	15 KA for 1sec	
1.6	Earthing mode		Solidly earthed	
1.7	Control Supply	V	130 V, 50 HZ, 1P, 1W	
2.	AMBIENT CONDITIONS			
2.1	Max. Temp.	°C	50°C	
2.2	Min. Temp	°C	4°C	
2.3	Design Temp	°C	60°C	
2.4	Relative Humidity	%	100%	
2.5	Altitude above MSL	Mtr	Less than 1000 MTS	
2.6	Atmosphere	-	Dust and Vapour	
2.7	Location	-	Indoor	
3.	EXECUTION			
3.1	Compartmental / Non compartmental	-	Compartmental	
3.2	Single front/Double Front ACB feeder	-	Single front	
3.3	Draw out/ Non draw out Other feeder	-	Electrically Draw out In case of ACB	
3.4	Draw out/ Non draw out Floor mounted	-	Non draw out MEDB	
4.	BUSBARS			
4.1	Copper / Aluminium	-		

4.2	Bare / Insulated	-	Insulated	
4.3	Type of Insulation	-	PVC suitable for 1100V Grade	
4.4	Rating as per SLD	-	Yes	
4.5	Earth Busbar	-	Copper	
5.	CURRENT TRANSFORMER			
5.1	VA	-	5 VA	
5.2	Accuracy class	-	1	
6.	POTENTIAL TRANSFORMER			
6.1	VA	-	15 VA	
6.2	Accuracy class	-	5P10	
7.	MISC.			
7.1	Indicating Instruments Type	-	Digital	
7.2	Cable Entry (TOP/BOTTOM)	-	Bottom	
7.3	Space Heater	-	NO	
7.4	Cable Glands	-	YES	
7.5	Cable Lugs	-	YES	
7.6	Painting - Type & Shade	-		
7.7	Capacitor Bank	-	Shall be a part of MEDB upto 120 kVAR and for above 120 kVAR shall be in separate panel	
7.8	Air circuit breaker Operation	-	Electrically operated	
7.9	Closing mechanism of the air circuit breaker	-	shall be motor wound spring charge with a provision for manual charging	

14. Wiring: POLYCAB / R.R. CABLE / KEI ETC.

15. Cooling provision: 8" fan with each main bus and in each busbar chamber.

16. Space heater and thermostat with each outgoing cable chamber

FABRICATION DETAIL:

Technical Datasheet : 1200/800/400/100 Amp Power Distribution Boards				
S.N.	Technical Specification	Unit	Required	To be filled by Bidder
1.	GENERAL			
1.1	Rating	Amps	1200/800/400/100	
1.2	Rated Voltage	Volts	415V ± 10%	
1.3	Rated Frequency	Hz.	50 Hz ± 5%	
1.4	No. of Phase & wire	No.	3P & N + 4W	
1.5	Fault level	KA	15 KA for 1sec	
1.6	Earthing mode		Solidly earthed	
1.7	Control Supply	V	130 V, 50 HZ, 1P, 1W	
2.	AMBIENT CONDITIONS			
2.1	Max. Temp.	°C	50°C	
2.2	Min. Temp	°C	4°C	
2.3	Design Temp	°C	60°C	
2.4	Relative Humidity	%	100%	
2.5	Altitude above MSL	Mtr	Less than 1000 MTS	
2.6	Atmosphere	-	Dust and Vapour	
2.7	Location	-	Indoor	
3.	EXECUTION			
3.1	Compartmental / Non compartmental	-	Compartmental	
3.2	Single front/Double Front ACB feeder	-	Single front	
3.3	Draw out/ Non draw out Other feeder	-	Electrically Draw out In case of ACB	
3.4	Draw out/ Non draw out Floor mounted	-	Non draw out MEDB	
4.	BUSBARS			
4.1	Copper / Aluminium	-		
4.2	Bare / Insulated	-	Insulated	
4.3	Type of Insulation	-	PVC suitable for 1100V Grade	
4.4	Rating as per SLD	-	Yes	
4.5	Earth Busbar	-	Copper	
5.	CURRENT TRANSFORMER			
5.1	VA	-	5 VA	
5.2	Accuracy class	-	1	
6.	POTENTIAL TRANSFORMER			
6.1	VA	-	15 VA	
6.2	Accuracy class	-	5P10	
7.	MISC.			
7.1	Indicating Instruments Type	-	Digital	
7.2	Cable Entry (TOP/BOTTOM)	-	Bottom	
7.3	Space Heater	-	NO	
7.4	Cable Glands	-	YES	
7.5	Cable Lugs	-	YES	
7.6	Painting - Type & Shade	-		

7.7	Capacitor Bank	-	Shall be a part of MEDB upto 60 kVAR and for above 60 kVAR shall be in separate panel	
7.8	Air circuit breaker Operation	-	Electrically operated	
7.9	Closing mechanism of the air circuit breaker	-	shall be motor wound spring charge with a provision for manual charging	

1. The Main frame will be made up of 16/18 SWG Sheet Steel, Fully Modular Type by 38 Punching Station MURATECH CNC Machine and CNC Bending Machine.
2. Busbar chambers and front doors cover shall be fabricated out of 16/18 SWG
3. Partitions and back doors shall be fabricated out of 16/18 SWG.
4. Gland Plates shall be fabricated out of 3.15 mm of M.S. Sheet.
5. Suitable bus and cable alley shall be provided with one side hinged door and one side bolts, whereas bus alley shall have bolted covers, rear side doors also will be one side bolted one side hinged.
6. Gasket of neoprene rubber materials shall also be provided all around the perimeter of adjacent Panel and base frame, removable covers, doors and cutouts. The Panel knob will be Panel lock with Key or three pin Lock.
7. All components will be front operated. The panel will be single front type only handle of switches knobs, cutouts for lamps and meters will be arranged on the doors to permit operation without opening the doors, care shall be taken to achieve neat and symmetrical arrangements.
8. Panels shall be totally enclosed, dust and vermin Proof.
9. Feeder designation & number will be marked on each outgoing feeder with nameplates.

HARDWARE:

All hardware shall be zinc plated, high tensile bolts, and nuts spring washer. The hardware shall be GKW/UNBRAKO/TVS/NEXO/ or equivalent make.

CABLE ENTRY:

Cable entry shall be from Top OR Bottom Side, Undrilled gland plate having 4 fixing holes shall be provided

PRE-TREATMENT & POWDER COATING:

1. The SHEET METAL undergoes 7-tank Hot Pre-Treatment process. This process involves the following
Degreasing - Derusting - Phosphating - Passivation
2. Finally the Interior & exterior of the panel shall be coated with Pure Polyester based powder. Siemens grey Shade- RAL-7035 /7032 and the Base frame painted with black color or same.
3. We have powder coating testing facility as follows,
4. Micron Gauge
5. Impact Tester
6. Conical Mandrel Bend Tester
7. Cross Hatch Cutter

POWER DISTRIBUTION BOARDS – TECHNICAL DATA SHEETS (1200 SCMH Electric Motor Driven Compressor)

POWER DISTRIBUTION BOARDS – TECHNICAL DATA SHEETS (400 SCMH Booster Compressor)

400 SCMH HYDRAULIC BOOSTER CNG COMPRESSOR			
1	TR INCOMER OUTDOOR PANEL		
A	200A 4P MAIN INCOMER	FEEDER QTY	1
SR. NO.	BOQDESCRIPTION	QTY	TOTAL QTY
1	200A 4P 36kA MCCB TM Release, Type: DN2-250D, 415V AC, 50Hz	1	3
2	Extended Rotary Handle for DN2 MCCB	1	3
3	Spreader Terminals - 4 Pole (Set of 8) for DN1, DN2-250 MCCB	1	3
4	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	1	3
5	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	1	3
6	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	1	3
7	6A 1P 10kA, C-Curve MCB	3	9
SR. NO.	FABRICATION	QTY	UNIT
1	Panel Dimension :- As per approved GA Drawing GAUGE: CRCA : 2.0mm/1.6mm TYPE: As per requirement , Indoor Installation, Front Opening, Extensible Cable Entry : Top & Bottom entry GLAND PLATE: 3mm undrilled gland plate Ingress Protection : IP 52 Type Powder Coating:- RAL 7035	1	JOB
2	BUSBAR : TPN Aluminium Busbar designed @ 0.8A/Sq.MM	1	SET
2	MAIN PCC PANEL		
A	INCOMER	FEEDER QTY	1
SR. NO.	BOQDESCRIPTION	QTY	TOTAL QTY
1	200A 4P 36kA MCCB TM Release, Type: DN2-250D, 415V AC, 50Hz	1	3
2	Extended Rotary Handle for DN2 MCCB	1	3
3	Spreader Terminals - 4 Pole (Set of 8) for DN1, DN2-250 MCCB	1	3
4	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	1	3
5	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	1	3
6	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	1	3
7	6A 1P 10kA, C-Curve MCB	3	9
8	Multifunction Meter-Load Manager with RS485 port, Parameters: V, A, F, PF, W/vA, Wh /VAh, Runhrs, Onhrs & Interrupts & Suppression Current (5 to 99 mA), Acc. Cl: 1.0, 3Ph, Operating voltage: 80 to 480V AC, Size: 96X96, Model: EM6436H	1	3
9	12 Steps Intelligent Power Factor Controller, Measurement of A, V, PF, Cos phi, W, VAR, VA, Type: RM Series	1	3
10	6A 1P 10kA, C-Curve MCB	7	21

11	200/5A Acc.CI: 1 10VA Resin Cast Ring Type Current Transformer, Round Dia: 21mm	4	12
B	40KW S/D STATER	FEEDER QTY	2
1	160A 3P 50kA MCCB Disconnecter (For Motor Protection), Type: DN1-160M, 415V AC, 50Hz	1	6
2	Extended Rotary Handle for DN1 MCCB	1	6
3	Spreader Terminals - 3 Pole (Set of 6) for DN1, DN2-250 MCCB	1	6
4	AC3: 95A AC1: 160A 3P Power Contactor, Coil: 240V AC, Aux. Contact: 2NO+2NC, Type: MNX 95	2	12
5	AC3: 70A AC1: 100A 3P Power Contactor, Coil: 240V AC, Type: MNX 70	1	6
6	42-69A Thermal Overload Relay, CT Operated, Separate Mounting, Type: MN12	1	6
7	Star Delta Timer, Time Setting: 0.3sec - 120sec, Voltage: 24-240VAC/DC, Contact: 1CO (Star) + 1CO (Delta)	1	6
8	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	1	6
9	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	1	6
10	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	1	6
11	Red Projecting Head(Push Function) Push Button 22.5 mm	1	6
12	1NO Contact Block	1	6
13	Green Projecting Head(Push Function) Push Button 22.5 mm	1	6
14	1NC Contact Block	1	6
15	6A 1P 10kA, C-Curve MCB	2	12
16	Three Phase Ammeter, Acc. CI: 1.0, Model: DM3110	1	6
17	600/5A Acc.CI: 1 10VA Resin Cast Ring Type Current Transformer, Round Dia: 21mm	3	18
C	MCB OUTGOING	FEEDER QTY	1
1	32A 4P 10kA, C-Curve MCB	2	6
2	6A 2P 10kA, C-Curve MCB	3	9
F	STAGE -1-7 , 5KVAR (30 KVAR Total)	FEEDER QTY	4
1	32A 3P 10kA, C-Curve MCB	1	12
2	10kVAr 3Ph Heavy Duty Cylindrical(Gas filled) 440V AC Capacitor	1	12
3	12.5kVAr 3Ph Capacitor Duty Contactor, Auxiliary Contact: 1NO, Size: Fr 1, Voltage: 240V AC, Type: MO C12.5	1	12
4	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	1	12
5	Red Projecting Head(Push Function) Push Button 22.5 mm	1	12
6	1NO Contact Block	1	12
7	Green Projecting Head(Push Function) Push Button 22.5 mm	1	12
8	1NC Contact Block	1	12
9	6A 2P 2Way Local - Remote/ Auto-Manual Switch With OFF, 90 Deg. Operation	1	12
SR. NO.	FABRICATION	QTY	UNIT
1	Panel Dimension :- As per approved GA Drawing GAUGE: CRCA : 2.0mm/1.6mm TYPE: As per requirement , Indoor Installation, Front Opening, Extensible Cable Entry : Top & Bottam entry GLAND PLATE: 3mm undrilled gland plate Ingress Protection : IP 52 Type	1	JOB

	Powder Coating:- RAL 7035		
2	BUSBAR : TPN Aluminium Busbar designed @ 0.8A/Sq.MM	1	SET

NOTE : Multifunction Energy Meter with at least 01 no. Serial communication RS-485 port, isolated with Modbus Protocol in technical specification for data logger or data monitoring at SCADA as well as bidder shall supply PC based monitoring software to communicate with meter.

ANNEXURE - I: LIST OF APPROVED MAKES (ELECTRICAL)

Sr. No. Equipment Vendor / Make

1. LT Panel / Power Distribution Board / Distribution Board / APFC Panel
 - Elpro Engineering, Chennai
 - Venus Controls & Switchgear Pvt. Ltd, West Bengal
 - BCH Electric Limited, Faridabad
 - C&S Electric Ltd, New Delhi
 - Kaybee Powetec (P) Ltd., Chennai
 - Hi-tech Switchgears and Protection, Ahmedabad
 - Shakti-Vijay industries Ahmedabad
 - Shiv Shakti Engineers, Ahmedabad
 - Swati switchgear India Pvt Ltd Ahmedabad
 - Active Engineers, Ahmedabad
 - Jetco Industries, Ahmedabad
 - Vidyut Control Gaziabad
 - SIEMENS INDIA LTD.
 - ABB LTD.
 - ELECTRONIC INSTRUMENTATION & CONTROL, AHMEDABAD
 - SCHNIEDER ELECTRIC INDIA LTD.
 - LARSEN & TOUBRO LTD
 - ELEMECH SWITCHGEAR & INSTRUMENTATION, AHMEDABAD
 - HORIZON MICTROTECH, AHMEDABAD
 - INSTA POWER CONTROL & EQUIPMENT PVT. LTD.
 - Other manufacturers, who fulfils Technical Qualification Criteria, will be considered after technical evaluation of their product.
2. Cable Glands Double Compression
Baliga / Comet / HMI / HEX
3. Cable joining Termination kit
Raychem / Denson / 3M
4. Cable lug
Dowells / Jainsons / HEX / 3M
5. Ceiling/ Exhaust/ Pedestal Fans & Circulators
Crompton Greaves / Khaitan / Orient / Usha / Havells
6. ACB / MCCB / Change over switch / Contactor / Switch Fuse Unit
C&S / L&T / Siemens / ABB / Schneider / GE
7. Control Transformers
AEL/BCHL / Indcoil / National / Kappa
8. Current Transformer / Potential Transformer (CT/PT)
AEL / Gilbert & Maxwell / Kappa / Pragati /Silkaans
9. Digital meters (A/V/PF/Hz/ KW/KWH)
Enercon / MECO /AEL / Rishab / Conserve / ABB / L&T / Secure/IMP
10. Earth leakage circuit breaker (ELCB / RCCB)

- L&T (Hager) / Groupe Schneider / MDS / Indikopp / Havells / GE / ELLICO / GELCO
11. Indicating Lamps
Bhartia / L&T / Siemens / GE / Alstom/concord/vaishno
 12. Lighting Fixtures (Flameproof) – LED
Bajaj / Baliga Lighting Equipment /Crompton Greaves / CEAG Flameproof / Flexpro / Flame Proof Equipments / Sudhir / Philips / Prompt
 13. Lighting Fixtures-LED
GE / Bajaj/ Crompton Greaves/ Philips / Wipro
 14. LT Motors
Crompton Greaves / Alstom / Kirloskar / NGEF /Bharat Bijlee / Siemens/ ABB
 15. LT Power Cable
Universal / Asean / CCI / NICCO / FORT Gloster / AVOCAB / KEI / Finolex / Polycab / Ravin / Havells / Suyog
 16. MCB / ELCB / RCBO / Push Button
Havell / Indo Asian / MDS / North West / C&S / Siemens / L&T / Schneider /GE
 17. Protective Relays
Asea Brown / Easun Reyrolle /Alstom
 18. Switches – 6/16A Piano/ Plate, Switch Socket
Anchor / Kingal / Crabtree / MK India / Avantikopp
 19. Control/ Selector Switches
Bhartia / Easum / Alstom / Kaycee / Siemens / Salzer (L&T) / GE
 20. Terminals Blocks
Connectwell / Elmex / Phoenix / Wago and Control/Tosha
 21. Power Capacitors
EPCOS, C&S, ABB, Schneider Electric, Siemens, L&T, Indo Asian, Alstom

SECTION IV

PAYMENT TERMS & OTHER CONDITIONS

PAYMENT TERMS:

- a) 90% (GST Compliant Invoice) Invoice value (Per APFC Panel System and items delivery in SOR) with taxes and duties will be paid, within 30 days progressively after delivery of material, after adjustment against PRS (PRS will apply on value excluding Input Tax Credit amount) and on submission of invoice, in duplicate, along with
- LR / GR in original.
 - Packing List.
 - Proof of customs clearance including payment of custom duty for imports permitted in the contract. If applicable
 - Dispatch instructions / clearance by purchaser.
 - Material Test Certificate (Batch Test Certificate is also acceptable)
 - Warranty certificate of 24 months for all items as specified in BOQ.
 - Documents / SLD drawings as specified in Vendor Data Requirement in Material Requisition.
 - Performance Bank Guarantee(s) of 10% of Delivery Order Value. If already submitted, a copy of the same.

- b) 5% of the total supply order price will be paid within 30 days of successful completion of Erection, testing, commissioning and acceptance thereof by AGL EIC and submission of all technical documents as per tender requirement.

However, if erection is not started after 120 days from the date of supply due to reasons not attributable to the bidder (e.g., site not ready, CNG compressor unavailability, permission delays), balance payment of 5% of the total supply part shall be processed for release to the successful bidder. In case of delay in receipt of material at the site the invoice value shall be reduced to take care of stipulation of PRS clause of the contract.

- c) 5% of the total supply order price upon maintaining power factor of APFC panel from 0.98 to 1, after erection and commissioning and 06 months continuous running thereafter. No Dues No Claim Certificate.

If the panel is not commissioned within 365 days from the date of supply due to reasons not attributable to the bidder (e.g., site not ready, CNG compressor unavailability, permission delays), the balance 5% payment of the supply value shall be released. In case of delay in material delivery attributable to the bidder, the invoice value shall be reduced as per the PRS clause.

Performance Guarantee: The panel's performance must be maintained for 6 months post-commissioning including maintaining power factor from 0.98 to 1, after which any BG or retained amount shall be released, subject to satisfactory performance and contractual compliance.

MODE OF PAYMENT

- Payment will be made by way of normal banking channels.
- Deduction at source

Purchaser will release the payment after off-setting all dues to the Purchaser payable by the seller under the contract. Deduction will be affected at source as per the law in force.

PAYING AUTHORITY:

DGM - F & A Aavantika Gas Limited

202 – B, 2nd Floor, NRK Business Park, Vijay Nagar Square, A.B. Road, Indore (M.P), Pin – 452010

SECTION V

GENERAL CONDITIONS OF CONTRACT (GCC)

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1.0 Definitions

In this document, General Conditions of Contract (GCC-Goods), the following terms shall have the following respective meanings:

- 1.0 BIDDER: Designates the individual or legal entity, which has made a proposal, a tender, or a bid with the aim of concluding a Contract with the PURCHASER.
- 1.1 CONTRACT shall mean Purchase Order/Contract and all attached exhibits and documents referred to therein and all terms and conditions there of together with any subsequent modifications there to.
- 1.2 CONTRACT PRICE shall mean the price payable to the Seller under the Contract for the full and proper performance of his contractual obligations.
- 1.3 COMPLETION DATE shall mean the date on which the goods are successfully commissioned by the Seller and handed over to the PURCHASER.
- 1.4 COMMERCIAL OPERATION shall mean the condition of the operation in which the complete equipment covered under the Contract is officially declared by the PURCHASER to be available for continuous operation at different loads upto and including rated capacity.
- 1.5 DELIVERY terms shall be interpreted as per INCO TERMS 2000 in case of Contract with a foreign Bidder and as the date of LR/GR in the case of a contract with an Indian Bidder.
- 1.6 DRAWINGS shall mean and include Engineering drawings, sketches showing plans, sections and elevations in relation to the Contract together with modifications and/or revisions there to.
- 1.7 ENGINEER or Engineer-in-Charge of the Project SITE shall mean the person designated from time to time by PURCHASER at SITE and shall include those who are expressly authorized by him to act for and on his behalf for operation of this CONTRACT.
- 1.8 FINAL ACCEPTANCE shall mean the PURCHASER's written acceptance of the Works performed under the Contract after successful completion of performance and guarantee test.
- 1.9 GOODS shall mean articles, materials, equipment, design and drawings, data and other property to be supplied by Seller to complete the contract.
- 1.10 INSPECTOR shall mean any person or outside Agency nominated by PURCHASER to inspect equipment, stage-wise as well as final, before dispatch, at Seller's works and on receipt at SITE as per terms of the CONTRACT.

- 1.11 INITIAL OPERATION shall mean the first integral operation of the complete equipment covered under the Contract with sub-systems and supporting equipment in service or available for service.
- 1.12 PURCHASER / OWNER shall mean AAVANTIKA GAS LIMITED (AGL) having its registered office at NRK Business Park, 2nd Floor, 202-B, Vijay Nagar Square, A.B. Road, Indore (M.P), Pin – 452010. The term PURCHASER includes successors, assigns of AGL.
- 1.13 PERFORMANCE AND GUARANTEE TESTS shall mean all operational checks and tests required to determine and demonstrate capacity, efficiency and operating characteristics as specified in the Contract documents.

PROJECT designates the aggregate of the Goods and/or Services to be provided by one or more Contractors.
Quantities – Bills of quantities Bills of quantities

Designate the quantity calculations to be taken into account when these calculations are made from detailed or construction drawings, or from work actually performed, and presented according to a jointly agreed breakdown of the Goods and/or Services.

- 1.14 SELLER shall mean the person, firm or company with whom PURCHASE ORDER/CONTRACT is placed/entered into by PURCHASER for supply of equipment, materials and services. The term Seller includes its successors and assigns.
- 1.15 SERVICE shall mean erection, installation, and testing, commissioning, provision of technical assistance, training and other such obligations of the Seller covered under the Contract.
- 1.16 SITE designates the land and/or any other premises on, under, in or across which the Goods and/or Services have to be supplied, erected, assembled, adjusted, arranged and/or commissioned.
- 1.17 SPECIFICATIONS shall mean and include schedules, details, description, statement of technical data, performance characteristics, standards (Indian as well as International) as applicable and specified in the Contract.
- 1.18 SUB-CONTRACT shall mean order placed by the Seller, for any portion of the contracted work, after necessary consent and approval of PURCHASER.
- 1.19 SUB-CONTRACTOR shall mean the person named in the CONTRACT for any part of the work or any person to whom any

part of the CONTRACT has been sub-let by the SELLER with the consent in writing of the PURCHASER and will include the legal representatives, successors, and permitted assigns of such person.

1.20 START-UP shall mean the time period required to bring the equipment's covered under the Contract from an inactive condition, when construction is essentially complete to the state of readiness for trial operation. The start-up period shall include preliminary inspection and check out of equipment and supporting subsystems, initial operation of the complete equipments covered under the Contract to obtain necessary pre-trial operation data, perform flow calibration and corrective shutdown inspection and adjustment prior to the trial operation period.

1.21 TESTS shall mean such process or processes to be carried out by the Seller as are prescribed in the Contract or considered necessary by PURCHASER or his representative in order to ascertain quality, workmanship, performance and efficiency of equipment or part thereof.

1.22 TESTS ON COMPLETION shall mean such tests as prescribed in the Contract to be performed by the Seller before the Works are taken over by the PURCHASER.

2.0 Seller To Inform

2.1 The Seller shall be deemed to have carefully examined all Contract documents to his entire satisfaction. Any lack of information shall not in any way relieve the Seller of his responsibility to fulfill his obligation under the Contract.

3.0 Application

3.1 These General Conditions of Contract (GCC-Goods) shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

4.0 Country of Origin

4.1 For purposes of this Clause "origin" means the place where the Goods were mined, grown or produced, or from which the services are supplied.

Goods are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

5.0 Scope of Contract

5.1 Scope of the CONTRACT shall be as defined in the PURCHASE ORDER/CONTRACT specifications, drawings and Annexure there to.

5.2 Completeness of the EQUIPMENT shall be the responsibility of the SELLER. Any equipment, fittings and accessories which may not be specifically mentioned in the specifications or drawings, but which are usual or necessary for the satisfactory functioning of the equipment (successful operation and functioning of the EQUIPMENT being Seller's responsibility) shall be provided by SELLER without any extra cost.

- 5.3 The SELLER shall follow the best modern practices in the manufacture of high grade EQUIPMENT notwithstanding any omission in the specifications. The true intent and meaning of these documents is that SELLER shall in all respects, design, engineer, manufacture and supply the equipment in a thorough workman like manner and supply the same in prescribed time to the entire satisfaction of PURCHASER.
- 5.4 The SELLER shall furnish twelve (12) copies in English language of Technical documents, final drawings, preservation instructions, operation and maintenance manuals, test certificates, spare parts catalogues for all equipments to the PURCHASER.
- 5.5 The documents once submitted by the SELLER shall be firm and final and not subject to subsequent changes. The SELLER shall be responsible for any loss to the PURCHASER consequent to furnishing of incorrect data/drawings.
- 5.6 All dimensions and weight should be in metric system .
- 5.7 All equipment to be supplied and work to be carried out under the CONTRACT shall conform to and comply with the provisions of relevant regulations/Acts (State Government or Central Government) as may be applicable to the type of equipment/work carried out and necessary certificates shall be furnished.
- 5.8 The Seller shall provide cross sectional drawings, wherever applicable, to identify the spare part numbers and their location. The size of bearings, their make and number shall be furnished.
- 5.9 Specifications, design and drawings issued to the SELLER along with RFQ and CONTRACT are not sold or given but loaned. These remain property of PURCHASER or its assigns and are subject to recall by PURCHASER. The SELLER and his employees shall not make use of the drawings, specifications and technical information for any purpose at any time except for manufacture against the CONTRACT and shall not disclose the same to any person, firm or corporate body, without written permission of PURCHASER. All such details shall be kept confidential.
- 5.10 SELLER shall pack, protect, mark and arrange for dispatch of EQUIPMENT as per instructions given in the CONTRACT .

6.0 Standards

- 6.1 The GOODS supplied under the CONTRACT shall conform to the standards mentioned in the Technical Specifications, or such other standards which ensure equal or higher quality, and when no applicable standard is mentioned, to the authoritative



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standard appropriate to the GOODS' country of origin and such standards shall be the latest issued by the concerned institution.

7.0 Instructions, Direction & Correspondence

- 7.1 The materials described in the CONTRACT are to be supplied according to the standards, data sheets, tables, specifications And drawings attached there to and / or enclosed with the CONTRACT, itself and according to all conditions, both general and specific enclosed with the contract, unless any or all of them have been modified or cancelled in writing as a whole or in part.
- a. All instructions and orders to SELLER shall, excepting what is here in provided, be given by PURCHASER.
 - b. All the work shall be carried out under the direction of and to the satisfaction of PURCHASER.
 - c. All communications including technical/commercial clarifications and/or comments shall be addressed to the PURCHASER on the address mentioned in ITB.
 - d. Invoices for payment against CONTRACT shall be addressed to PURCHASER.
 - e. The CONTRACT number shall be shown on all invoices, communications, packing lists, containers and bills of lading, etc.

8.0 Contract Obligations

- 8.1 If after award of the contract, the Seller does not acknowledge the receipt of award or fails to furnish the performance guarantee Within the prescribed time limit, the PURCHASER reserves the right to cancel the contract and apply all remedies available to him under the terms and conditions of this contract.
- 8.2 Once a contract is confirmed and signed, the terms and conditions contained there in shall take precedence over the Seller's bid and all previous correspondence.

9.0 Modification In Contract

- 9.1 All modifications leading to changes in the CONTRACT with respect to technical and/or commercial aspects including terms of delivery shall be considered valid only when accepted in writing by PURCHASER by issuing amendment to the CONTRACT. Issuance of acceptance or otherwise in such cases shall not be any ground for extension of agreed delivery date and also shall not affect the performance of contract in any manner except to the extent mutually agreed through a modification of contract.
- 9.2 PURCHASER shall not be bound by any printed conditions or provisions in the Seller's Bid Forms or acknowledgment of CONTRACT, invoices, packing list and other documents which purport to impose any conditions at variance with or supplemental to CONTRACT.

10.0 Use of Contract Documents &

- 10.1 The Seller shall not, without the PURCHASER's prior written consent, disclose the CONTRACT or any provision thereof, or

Information

any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the PURCHASER in connection therewith, to any person other than a person employed by the SELLER in the performance of the CONTRACT. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purpose of such performance.

10.2 The SELLER shall not, without the PURCHASER's prior written consent, make use of any document or information enumerated in Article 10.1. Except for purpose of performing the CONTRACT.

11.0 Patent Rights, Liability & Compliance of Regulations

11.1 SELLER hereby warrants that the use or sale of the materials delivered hereunder will not infringe claims of any patent covering such material and SELLER agrees to be responsible for and to defend at his sole expense all suits and proceedings against PURCHASER based on any such alleged patent infringement and to pay all costs, expenses and damages which PURCHASER may have to pay or incur by reason of any such suit or proceedings.

11.2 The SELLER shall indemnify the PURCHASER against all third party claims of infringement of patent, trademark or industrial design rights arising from use of the GOODS or any part thereof in the PURCHASER's country.

11.3 SELLER shall also protect and fully indemnify the PURCHASER from any claims from SELLER'S workmen/employees or their heirs, dependants, representatives, etc. or from any other person/persons or bodies/companies etc. for any acts of commissions or omission while executing the CONTRACT.

11.4 SELLER shall be responsible for compliance with all requirements under the laws and shall protect and indemnify completely the PURCHASER from any claims/penalties arising out of any infringements.

12.0 Performance Guarantee

12.1 Within 15 days from of award of the Purchase Order, the SELLER shall furnish Performance Guarantee in the form of Bank Guarantee of Credit to the PURCHASER, in the form provided in the Bidding Documents, for an amount equivalent to 10% of the Order value (Excluding taxes & duties).

12.2 The proceeds of Performance Guarantee shall be appropriated by the PURCHASER as compensation for any loss resulting from the Seller's failure to complete his obligations under the CONTRACT without prejudice to any of the rights or remedies the PURCHASER may be entitled to as per terms and conditions of CONTRACT. The proceeds of this Performance Guarantee shall also govern the successful performance of Goods and Services during the entire period of Contractual Warrantee/Guarantee.

12.3 The performance guarantee shall be denominated in the currency of the CONTRACT.

**13 Inspection,
Testing & Expediting**

- 12.4 The Performance Guarantee shall be valid for the duration of 90 days beyond the expiry of warrantee/Guarantee PURCHASER will discharge the Bank Guarantee not later than 6 months from the date of expiration of the Seller's entire obligations, including any warrantee obligations, under the CONTRACT.
- 13.1 The PURCHASER or its representative shall have the right to inspect and/or to test the GOODS to confirm their conformity to the CONTRACT specifications. The special conditions of CONTRACT and/or the Technical Specifications shall specify what inspections and tests the PURCHASER requires and where they are to be conducted. The PURCHASER shall notify the SELLER in writing the identity of any representative(s) retained for these purposes.
- 13.2 The inspections and tests may be conducted on the premises of the SELLER or his sub-contractor(s), at point of DELIVERY and/or at the GOODS' final destination, When conducted on the premises of the SELLER or his sub-contractor (s), all reasonable facilities and assistance including access to the drawings and production data shall be furnished to the inspectors at no charge to the PURCHASER.
- 13.3 Should any inspected or tested GOODS fail to conform to the specifications, the PURCHASER may reject them and the SELLER shall either replace the rejected GOODS or make all alterations necessary to meet Specifications' requirements, free of cost to the PURCHASER.
- 13.4 The PURCHASER's right to inspect, test and where necessary reject the GOODS after the GOODS' arrival in the PURCHASER's country shall in no way be limited or waived by reason of the GOODS having previously been inspected, tested and passed by the PURCHASER, or their representative prior to the GOODS shipment from the country of origin.
- 13.5 The INSPECTOR shall follow the progress of the manufacture of the GOODS under the CONTRACT to ensure that the requirements outlined in the CONTRACT are not being deviated with respect to schedule and quality.
- 13.6 SELLER shall allow the INSPECTOR to visit, during working hours, the workshops relevant for execution of the CONTRACT during the entire period of CONTRACT validity.
- 13.7 In order to enable PURCHASER's representatives to obtain entry visas in time, SELLER shall notify PURCHASER two months before assembly, testing and packing of main EQUIPMENT. If requested, SELLER shall assist PURCHASER's representatives in getting visas in the shortest possible time (applicable only in case of foreign order).
- 13.8 SELLER shall place at the disposal of the INSPECTOR, free of charge, all tools, instruments, and other apparatus necessary for the inspection and/or testing of the GOODS. The INSPECTOR is entitled to prohibit the use and dispatch of GOODS and/or materials, which have failed to comply with the characteristics required for the GOODS during tests and inspections.
- 13.9 SELLER shall advise in writing of any delay in the inspection program at the earliest, describing in detail the reasons for delay and the proposed corrective action.

- 13.10 ALL TESTS and trials in general, including those to be carried out for materials not manufactured by SELLER shall be witnessed by the INSPECTOR. Therefore, SELLER shall confirm to PURCHASER by fax or e-mail about the exact date of inspection with at least 30 days notice. SELLER shall specify the GOODS and quantities ready for testing and indicate whether a preliminary or final test is to be carried out.
- 13.11 If on receipt of this notice, PURCHASER should waive the right to witness the test; timely information will be given accordingly.
- 13.12 Any and all expenses incurred in connection with tests, preparation of reports and analysis made by qualified laboratories, necessary technical documents, testing documents and drawings shall be at SELLER's cost. The technical documents shall include the reference and numbers of the standards used in the construction and, wherever deemed practical by the INSPECTOR, copy of such standards.
- 13.13 Nothing in Article-13 shall in any way release the SELLER from any warrantee or other obligations under this CONTRACT.
- 13.14 Arrangements for all inspections required by Indian Statutory Authorities and as specified in technical specifications shall be made by SELLER
- 13.15 **Inspection & Rejection of Materials by consignees**
When materials are rejected by the consignee, the supplier shall be intimated with the details of such rejected materials, as well as the reasons for their rejection, also giving location where such materials are lying at the risk and cost of the contractor/supplier. The supplier will be called upon either to remove the materials or to give instructions as to their disposal within 14 days and in the case of dangerous, infected and perishable materials within 48 hours, failing which the consignee will either return the materials to the contractor freight to pay or otherwise dispose them off at the contractor's risk and cost. The PURCHASER shall also be entitled to recover handling and storage charges for the period, during which the rejected materials are not removed @ 5% of the value of materials for each month or part of a month till the rejected materials are finally disposed off.

14 Time Schedule & Progress Reporting

- 14.1 Time Schedule Network/Bar Chart
- 14.1.1 Together with the Contract confirmation, SELLER shall submit to PURCHASER, his time schedule regarding the documentation, manufacture, testing, supply, and erection and commissioning of the GOODS.
- 14.1.2 The time schedule will be in the form of a network or a bar chart clearly indicating all main or key events regarding documentation, supply of raw materials, manufacturing, testing, delivery, erection and commissioning.
- 14.1.3 The original issue and subsequent revisions of SELLER's time schedule shall be sent to PURCHASER.
- 14.1.4 The time schedule network/bar chart shall be updated at least every second month.
- 14.2 **Progress Trend Chart / Monthly Report**
- 14.2.1 SELLER shall report monthly to PURCHASER, on the progress of the execution of CONTRACT and achievement of targets set out in time bar chart.
- 14.2.2 The progress will be expressed in percentages as shown in the progress trend chart attached to the Time Schedule specification.

- 14.2.3 The first issue of the Progress Trend Chart will be forwarded together with the time bar chart along with CONTRACT confirmation.
- 14.3.1 PURCHASER's representatives shall have the right to inspect SELLER's premises with a view to evaluating the actual progress of work on the basis of SELLER's time schedule documentation.
- 14.3.2 Irrespective of such inspection, SELLER shall advise PURCHASER, at the earliest possible date of any anticipated delay in the progress.
- 14.4 Notwithstanding the above, in case progress on the execution of contract at various stages is not as per phased time schedule and is not satisfactory in the opinion of the PURCHASER which shall be conclusive or SELLER shall neglect to execute the CONTRACT with due diligence and expedition or shall contravene the provisions of the CONTRACT, PURCHASER may give notice of the same in writing to the SELLER calling upon him to make good the failure, neglect or contravention complained of. Should SELLER fail to comply with such notice within the period considered reasonable by PURCHASER, the PURCHASER shall have the option and be at liberty to take the CONTRACT wholly or in part out of the SELLER's hand and make alternative arrangements to obtain the requirements and completion of CONTRACT at the SELLER's risk and cost and recover from the SELLER, all extra cost incurred by the PURCHASER on this account. In such event PURCHASER shall not be responsible for any loss that the SELLER may incur and SELLER shall not be entitled to any gain. PURCHASER shall, in addition, have the right to encase Performance Guarantee in full or part.

15 Delivery & Documents

- 15.1 The SELLER in accordance with terms specified in the contract shall make delivery of the GOODS, and the goods shall remain at the risk of the SELLER until delivery has been completed.
- 15.2 Delivery shall be deemed to have been made:
 - a) In the case of FOB, CFR & CIF Contracts, when the Goods have been put on board the ship, at the specified port of loading and a clean Bill of Lading is obtained. The date of Bill of Lading shall be considered as the delivery date.
 - b) In case of FOT dispatch point contract (For Indian bidder), on evidence that the goods have been loaded on the carrier and a negotiable copy of the GOODS receipt obtained. The date of LR/GR shall be considered as the date of delivery.
 - c) In case of FOT site (for Indian bidders) on receipt of goods by PURCHASER at the designated site(s).
- 15.3 The delivery terms are binding and essential and consequently, no delay is allowed without the written approval of PURCHASER. Any request concerning delay will be void unless accepted by PURCHASER through a modification to the CONTRACT.
- 15.4 Delivery time shall include time for submission of drawings for approval, incorporation of comments, if any, and final approval of drawings by PURCHASER.



- 15.5 In the event of delay in delivery, Price Reduction Schedule as stipulated in Article – 26 shall apply.
- 15.6 The documentation, in English Language, shall be delivered in due time, in proper form and in the required number of copies as specified in the contract.
- 15.7 The additional copies of final drawings and instructions will be included in the package of goods, properly enveloped and protected.
- 15.8 The SELLER should comply with the Packing, Marking and Shipping Documentation Specifications enclosed.

16 Transit Risk Insurance

- 16.1 All goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
- 16.2 Where delivery is on FOB or CFR basis, marine insurance shall be the responsibility of the SELLER.

Insurance Requirements:

Indigenous Bidders: Transit risk insurance from F.O.T. dispatch point onwards shall be arranged and borne by SELLER.

Foreign Bidders: Marine insurance as well as transit insurance in PURCHASER's country shall be arranged and borne by SELLER. The SELLER shall ensure that in effecting dispatch of materials, the primary responsibility of the carriers for safe movement is always retained so that the PURCHASER's interests are fully safeguarded and are in no way jeopardized.

The Seller shall furnish the cost of materials against each equipment.

17 Transportation

- 17.1 Where the SELLER is required under the CONTRACT to deliver the GOODS FOB, transport of the GOODS until delivery, that is, up to and including the point of putting the GOODS on board the export conveyance at the specified port of loading, shall be arranged and paid for by the SELLER and the cost thereof shall be included in the Contract price.
- 17.2 Where the SELLER is required under the CONTRACT to deliver the GOODS CFR or CIF, transport of the Goods to the port of discharge or such other point in the country of destination as shall be specified in the CONTRACT shall be arranged and paid for by the SELLER and the cost thereof shall be included in the Contract price.

18 Incidental Services

- 18.1 The Seller may be required to provide any or all of the following services:
 - 18.3.1 Performance or supervision of onsite assembly and/or start-up of the supplied Goods:



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- 18.3.2 Furnishing tools required for assembly and/or maintenance of the supplied Goods:
- 18.3.3 Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the SELLER of any warrantee/guarantee obligations under the Contract.
- 18.3.4 Training of the PURCHASER's personnel at the SELLER's plant and/or at Site, in assembly, start-up operation, maintenance and/or repair of the supplied Goods at no extra cost. However, PURCHASER will bear boarding, lodging & personal expenses of Trainees.

**19 Spare Parts,
Maintenance Tools,
Lubricants**

- 18.4 Prices charged by the SELLER for the preceding incidental services, shall not exceed the prevailing rates charged to other parties by the SELLER for similar services.
- 18.5 When required, SELLER shall depute necessary personnel for supervision and/or erection of the Equipment at site for duration to be specified by PURCHASER on mutually agreed terms. SELLER's personnel shall be available at Site within seven days for emergency action and twenty-one days for medium and long-term assistance, from the date of notice given by PURCHASER.
- 18.6 The cost of incidental services shall not be included in the quoted prices. The cost of applicable incidental services should be shown separately in the price schedules.
- 19.1 SELLER may be required to provide any or all of the following materials and notification pertaining to spare parts manufactured or distributed by the SELLER.
- 19.1.1 Such spare parts as the PURCHASER may opt to purchase from the SELLER, provided that his option shall not relieve the SELLER of any warranty obligations under the Contract, and
- 19.1.2 In the event of termination of production of the spare parts:
- i) Advance notification to the PURCHASER of the pending termination, in sufficient time to permit the PURCHASER to procure needed requirements, and
 - ii) Following such termination, furnishing at no cost to the PURCHASER, the blue prints, drawings and specifications of the spare parts, if any when requested.
- 19.2 Seller shall supply item wise list with value of each item of spare parts and maintenance tools requirements, along with full details of manufacturers / vendors for such spares / maintenance tools for:
- 19.2.1 The construction, execution and commissioning.
- 19.3 Spare parts shall be new and of first class quality as per engineering standards/ codes, free of any defects (even concealed), deficiency in design, materials and workmanship and also shall be completely interchangeable with the corresponding parts.
- 19.4 Type and sizes of bearings shall be clearly indicated.
- 19.5 Spare parts shall be packed for long storage under tropical climatic conditions in suitable cases, clearly marked as to intended purpose.

- 19.6 A list of special tools and gauges required for normal maintenance and special handling and lifting appliances, if any, for the Goods shall be submitted to Purchaser.
- 19.7 Bidders should note that if they do not comply with Clause 19.2 above, their quotation may be rejected.
- 19.8 Lubricants (not applicable)
- 19.8.1 whenever lubricants are required, SELLER shall indicate the quantity of lubricants required for the first filling, the frequency of changing, the quantity of lubricants required for the one-year's continuous operation and the types of recommended lubricants indicating the commercial name (trademark), quality and grade.
- 19.8.2 If Seller is unable to recommend specific oil, basic recommended characteristics of the lubricants shall be given.
- 19.8.3 Seller shall indicate various equivalent lubricants available in India.

20 Guarantee

- 20.1 All Goods or Materials shall be supplied strictly in accordance with the specifications, drawings, data sheets, other attachments and conditions stated in the Contract.

No deviation from such specifications or alterations or of these conditions shall be made without PURCHASER'S agreement in writing which must be obtained before any work against the order is commenced. All materials supplied by the SELLER pursuant to the Contract (irrespective of whether engineering, design data or other information has been furnished, reviewed or approved by PURCHASER) are guaranteed to be of the best quality of their respective kinds (unless otherwise specifically authorized in writing by PURCHASER) and shall be free from faulty design, workmanship and materials, and to be of sufficient size and capacity and of proper materials so as to fulfill in all respects all operating conditions, if any, specified in the Contract.

If any trouble or defect, originating with the design, material, workmanship or operating characteristics of any materials, arises at any time prior to twelve(12) months from the date of the first commercial operation of the Plant for which the materials supplied under the Contract form a part thereof, or twenty four (24) months from the date of last shipment whichever period shall first expire, and the SELLER is notified thereof, SELLER shall, at his own expense and as promptly as possible, make such alterations, repairs and replacements as may necessary to permit the materials to function in accordance with the specifications and to fulfill the foregoing guarantees.

PURCHASER may, at his option, remove such defective materials, at SELLER'S expense in which event SELLER shall,

without cost to PURCHASER and as promptly as possible, furnish and install proper materials. The SELLER shall similarly guarantee repaired or replaced materials for a period of no less than twelve (12) months from the date of replacement/repair.

In the event that the materials supplied do not meet the specifications and/or not in accordance with the drawings data sheets or the terms of the Contract and rectification is required at site, PURCHASER shall notify the SELLER giving full details of differences. The SELLER shall attend the site within seven (7) days of receipt of such notice to meet and agree with representatives of PURCHASER, the action required to correct the deficiency. Should the SELLER fail to attend meeting at Site within the time specified above,

PURCHASER shall immediately rectify the work/materials and SELLER shall reimburse PURCHASER all costs and expenses incurred in connection with such trouble or defect.

20.2 PERFORMANCE GUARANTEE OF EQUIPMENT

20.2.1 SELLER shall guarantee that the performance of the EQUIPMENT supplied under the CONTRACT shall be strictly in conformity with the specifications and shall perform the duties specified under the CONTRACT.

20.2.2 If the SELLER fails to prove the guaranteed performance of the EQUIPMENT set forth in the specification; the SELLER shall investigate the causes and carry out necessary rectifications/modifications to achieve the guaranteed performance. In case the SELLER fails to do so within a reasonable period, the SELLER shall replace the EQUIPMENT and prove guaranteed performance of the new equipment without any extra cost to PURCHASER.

20.2.3 If the SELLER fails to prove the guarantee within a reasonable period, PURCHASER shall have the option to take over the EQUIPMENT and rectify, if possible, the EQUIPMENT to fulfill the guarantees and/or to make necessary additions to make up the deficiency at Seller's risk and cost. All expenditure incurred by the PURCHASER in this regard shall be to SELLER's account.

21 Terms of Payment 21.1 The Payment terms are specified in the Section V of this BID Document.

22 Prices 22.1 Prices charged by the SELLER for Goods delivered and services performed under the CONTRACT shall not, with the exception of any price adjustments authorized by the Contract vary from the prices quoted by the SELLER in his bid.

23 Subletting & Assignment 23.1 The contractor shall not without previous consent in writing of the PURCHASER authority, sublet, transfer or assign the contract or any part thereof or interest therein or benefit or advantage thereof in any manner whatsoever. Provided, nevertheless, that

- 24 Time As Essence of Contract**
- any such consent shall not relieve the contractor from any obligation, duty or responsibility under the contract.
- 24.1 The time and date of delivery/completion of the GOODS / SERVICES as stipulated in the Contract shall be deemed to be the essence of the Contract.
- 25 Delays in The SELLER's Performance**
- 25.1 If the specified delivery schedule is not adhered to or the progress of manufacture or supply of the items is not satisfactory or is not in accordance with the progress schedule the PURCHASER has the right to:
- i) Hire for period of delay from elsewhere goods which in PURCHASER's opinion will meet the same purpose as the goods which are delayed and SELLER shall be liable without limitation for the hire charges; or
 - ii) Cancel the CONTRACT in whole or in part without liability for cancellation charges. In that event, PURCHASER may procure from elsewhere goods which PURCHASER's opinion would meet the same purpose as the goods for which CONTRACT is cancelled and SELLER shall be liable without limitations for the difference between the cost of such substitution and the price set forth in the CONTRACT for the goods involved; or iii) Hire the substitute goods vide (i) above and if the ordered goods continue to remain undelivered thereafter, cancel the order in part or in full vide (ii) above.
- 25.2 Any inexcusable delay by the SELLER or his sub-contractor shall render the SELLER liable, without prejudice to any other terms of the Contract, to any or all of the following sanctions: forfeiture of Contract performance guarantee, imposition of price reduction for delay in delivery and termination of the contract for default.
- 26 Price Reduction Schedule For Delayed Delivery**
- 26.1 Subject to Article -29, if the SELLER fails to deliver any or all of the GOODS or performance the services within the time period (s) specified in the CONTRACT, the PURCHASER shall, without prejudice to his other remedies under the CONTRACT, deduct from the CONTRACT PRICE, a sum calculated on the basis of the CONTRACT PRICE, including subsequent modifications.
- 26.1.1 Deductions shall apply as per following formulae:
- In supply contract, the portion of supply completed in all respects which can be used for commercial operation shall not be considered for applying PRS, if delivered within contractual delivery period. The remaining supplies which are completed beyond the contractual delivery shall attract the price reduction schedule @0.5% per week or part thereof of the delayed delivery value maximum up to 5% of total Delivery Order value. The PRS shall be applicable in the same way where individual release order against Annual Rate Contract shall be taken as independent order. The total value of DO considered for applying PRS shall be excluding of all Taxes and Duties.
- 26.2 In case of delay in delivery on the part of Seller, the invoice/document value shall be reduced proportionately for the delay and payment shall be released accordingly.

26.3 In the event the invoice value is not reduced proportionately for the delay, the PURCHASER may deduct the amount so payable to SELLER, from any amount falling due to the SELLER or by recovery against the Performance Guarantee.

Both SELLER and PURCHASER agree that the above percentages of price reduction are genuine pre estimates of the loss/damage which the PURCHASER would have suffered on account of delay/breach on the part of the SELLER and the said amount will be payable on demand without there being any proof of the actual loss/or damage caused by such breach/delay. A decision of the PURCHASER in the matter of applicability of price reduction shall be final and binding.

27 Rejections, Removal of Rejected Equipment & Replacement

- 27.1 Preliminary inspection at SELLER's works by INSPECTOR shall not prejudice PURCHASER's claim for rejection of the EQUIPMENT on final inspection at SITE or claims under warranty provisions.
- 27.2 If the EQUIPMENTS are not of specification or fail to perform specified duties or are otherwise not satisfactory the PURCHASER shall be entitled to reject the EQUIPMENT/MATERIAL or part thereof and ask free replacement within reasonable time failing which obtain his requirements from elsewhere at SELLER's cost and risk.
- 27.3 Nothing in this clause shall be deemed to deprive the PURCHASER AND/OR AFFECT ANY rights under the Contract which it may otherwise have in respect of such defects or deficiencies or in any way relieve the SELLER of his obligations under the Contract.
- 27.4 EQUIPMENT rejected by the PURCHASER shall be removed by the SELLER at his cost within 14 days of notice after repaying the amounts received against the SUPPLY. The PURCHASER shall in no way be responsible for any deterioration or damage to the EQUIPMENT under any circumstances whatsoever.
- 27.5 In case of rejection of EQUIPMENT, PURCHASER shall have the right to recover the amounts, if any, from any of CONTRACTOR'S invoices pending with PURCHASER or by alternative method(s).

28 Termination of Contract

- 28.1 Termination for Default
 - 28.1.1 The PURCHASER may, without prejudice to any other remedy for breach of CONTRACT, by written notice of default sent to the SELLER, terminate the CONTRACT in whole or in part:
 - A) If the SELLER fails to deliver any or all of the GOODS within the time period(s) specified in the CONTRACT; or
 - B) If the SELLER fails to perform any other obligation(s) under the CONTRACT, and

- C) If the SELLER, in either of the above circumstances, does not cure his failure within a period of 30 days (or such longer period as the PURCHASER may authorize in writing) after receipt of the default notice from the PURCHASER.
- 28.1.2 In the event the PURCHASER terminates the CONTRACT in whole or in part, pursuant to Article 28.1.1, the PURCHASER may procure, upon such terms and in such manner, as it deems appropriate, goods similar to those undelivered and the SELLER shall be liable to the PURCHASER for any excess costs for such similar GOODS. However, the SELLER shall continue performance of the CONTRACT to the extent not terminated.
- 28.1.3 In case of termination of CONTRACT herein set forth (under clause 28) except under conditions of Force Majeure and termination after expiry of contract, the VENDOR shall be put under holiday [i.e. neither any enquiry will be issued to the party by AGL against any type of tender nor their offer will be considered by AGL against any ongoing tender (s) where contract between AGL and that particular VENDOR (as a bidder) has not been finalized] for three years from the date of termination by AGL to such VENDOR.
- 28.2 Termination for Insolvency
- 28.2.1 The PURCHASER, may at any time, terminate the CONTRACT by giving written notice to the SELLER, without compensation to the SELLER, if the SELLER becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the PURCHASER.
- 28.3 Termination for Convenience
- 28.3.1 The PURCHASER may, by written notice sent to the SELLER, terminate the CONTRACT, in whole or part, at any time for his convenience. The notice of termination shall specify that termination is for the PURCHASER's convenience, the extent to which performance of work under the CONTRACT is terminated and the date upon which such termination becomes effective.
- 28.3.2 The GOODS those are complete and ready for shipment within 30 days after the SELLER's receipt of notice of termination at the CONTRACT terms and prices. For the remaining GOODS, the PURCHASER may opt:
- a) To have any portion completed and delivered at the CONTRACT terms and prices, and /or
- b) To cancel the remainder and pay to the SELLER an agreed amount for partially completed GOODS and for materials and parts previously procured by the SELLER.

29 Force Majeure

- 29.1 Shall mean and be limited to the following:

Bidder Seal & Sign

NATURAL GAS- CLEAN ENERGY, GREEN ENERGY

- a) War/hostilities
- b) Riot or Civil commotion
- c) Earthquake, flood, tempest, lightening or other natural physical disaster.
- d) Restrictions imposed by the Government or other Statutory bodies, which prevents or delays the execution of the Contract by the SELLER. The SELLER shall advise PURCHASER by a registered letter duly certified by the local Chamber of Commerce or statutory authorities, the beginning and end of the above causes of delay within seven (7) days of the occurrence and cessation of such Force Majeure Conditions. In the event of delay lasting over one month, if arising out of causes of Force Majeure, PURCHASER reserves the right to cancel the Contract and the provisions governing termination stated under Article 28.0 shall apply.

For delays arising out of Force Majeure, the SELLER shall not claim extension in completion date for a period exceeding the period of delay attributable to the causes of Force Majeure and neither PURCHASER nor SELLER shall be liable to pay extra costs provided it is mutually established that Force Majeure Conditions did actually exist.

SELLER shall categorically specify the extent of Force Majeure Conditions prevalent in their works at the time of submitting their bid and whether the same have been taken into consideration or not in their quotations. In the event of any force majored cause, the SELLER or the PURCHASER shall not be liable for delays in performing their obligations under this order and the delivery dates will be extended to the SELLER without being subject to price reduction for delayed deliveries, as stated elsewhere.

30 Resolution of Disputes / Arbitration

- 30.1 The PURCHASER and the SELLER shall make every effort to resolve amicably by direct informal negotiations any disagreement or dispute arising between them under or in connection with the contract.
- 30.2 If, after thirty days from the commencement of such informal negotiations, the PURCHASER and the SELLER have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanism as specified hereunder.
- 30.3 Legal Construction

The Contract shall be, in all respects be construed and operated as an Indian Contract and in accordance with Indian Laws as in force for the time being and is subject to and referred to the Indore Court of Law.

30.4 Arbitration

All disputes, controversies, or claims between the parties (except in matters where the decision of the Engineer-in-Charge is deemed to be final and binding), which cannot be mutually resolved within a reasonable time, shall be referred to Arbitration by a sole arbitrator.

The PURCHASER shall suggest a panel of three independent and distinguished persons to the SELLER to select any one among them to act as the sole Arbitrator.

In the event of failure of the SELLER to select the Sole Arbitrator within 30 days from the receipt of the communication suggesting the panel of arbitrators, the right of selection of Sole Arbitrator by the other party shall stand forfeited and the PURCHASER shall have discretion to proceed with the appointment of the Sole Arbitrator. The decision of the PURCHASER on the appointment of Sole Arbitrator shall be final and binding on the parties.

The award of the Sole Arbitrator shall be final and binding on the parties and unless directed/awarded otherwise by the Sole Arbitrator, the cost of arbitration proceedings shall be shared equally by the parties. The arbitration proceeding shall be in English language and the venue shall be at Indore, India.

Subject to the above, the provisions of (Indian) Arbitration & Conciliation Act, 1996 and the rules framed thereunder shall be applicable. All matters relating to this contract are subject to the exclusive jurisdiction of the Courts situated in Indore.

Seller may please note that the Arbitration & Conciliation Act 1996 was enacted by the Indian Parliament and is based on United nations Commission on International Trade Law (UNCITRAL model law), which were prepared after extensive consultation with Arbitral Institutions and centres of International Commercial Arbitration. The United Nations General Assembly vide resolution 31/98 adopted the UNCITRAL Arbitration rules on 15 December 1996.

The WORK under the CONTRACT shall, however, continue during the Arbitration proceedings and no payment due or payable to the Seller shall be withheld on account of such proceedings.

31 Governing Language

31.1 The Contract shall be written in English language as specified by the PURCHASER in the Instruction to Bidders. All literature, correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in English language. Printed literature in other language shall only be considered, if it is accompanied by an English translation. For the purposes of interpretation, English translation shall govern and be binding on all parties.

32 Notices

32.1 Any notice given by one party to the other pursuant to the Contract

shall be sent in writing or by telegram or fax, telex/cable confirmed in writing.

- 32.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.
- 33 Taxes & Duties**
- 33.1 A foreign SELLER shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the PURCHASER's country.
- 33.2 A domestic SELLER shall be entirely responsible for all taxes, duties, licence fees etc. incurred until the delivery of the contracted goods to the PURCHASER. However, GST (IGST, CGST, SGST, UGST) on finished products shall be reimbursed by PURCHASER upon submission of proof of payment.
- 33.3 Customs duty payable in India for imported goods ordered by PURCHASER on foreign SELLER shall be borne and paid by THE SELLER.
- 33.4 Any income tax payable in respect of supervisory services rendered by foreign SELLER under the Contract shall be as per the Indian Income Tax Act and shall be borne by SELLER. It is up to the bidder/seller to ascertain the amount of these taxes and to include them in his bid price.
- 34 Books & Records**
- 34.1 SELLER shall maintain adequate books and records in connection with Contract and shall make them available for inspection and audit by PURCHASER or their authorized agents or representatives during the terms of Contract until expiry of the performance guarantee. Fixed price (lump sum or unit price) Contract will not be subject to audit as to cost except for cost reimbursable items, such as escalation and termination claims, transportation and comparable requirements.
- 35 Permits & Certificates**
- 35.1 SELLER shall procure, at his expense, all necessary permits, certificates and licenses required by virtue of all applicable laws, regulations, ordinances and other rules in effect at the place where any of the work is to be performed, and SELLER further agrees to hold PURCHASER harmless from liability or penalty which might be imposed by reason of any asserted or established violation of such laws, regulations, ordinances or other rules. PURCHASER will provide necessary permits for SELLER's personnel to undertake any work in India in connection with Contract.
- 36 General**
- 36.1 In the event that terms and conditions stipulated in the General Conditions of Contract should deviate from terms and conditions stipulated in the Contract, the latter shall prevail.
- 36.2 Losses due to non-compliance of Instructions Losses or damages occurring to the PURCHASER owing to the SELLER's failure to adhere to any of the instructions given by the



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DESIGN, SUPPLY, INSTALLATION & COMMISSIONING OF LT PANEL WITH APFC



PURCHASER in connection with the contract execution shall be recoverable from the SELLER.

36.3 Recovery of sums due

All costs, damages or expenses which the PURCHASER may have paid, for which under the CONTRACT SELLER is liable, may be recovered by the PURCHASER (he is hereby irrevocably authorized to do so) from any money due to or becoming due to the SELLER under this Contract or other Contracts and/or may be recovered by action at law or otherwise. If the same due to the SELLER be not sufficient to recover the recoverable amount, the SELLER shall pay to the PURCHASER, on demand, the balance amount.

36.4 Payments, etc. not to affect rights of the PURCHASER No sum paid on account by the PURCHASER nor any extension of the date for completion granted by the PURCHASER shall affect or prejudice the rights of the PURCHASER against the SELLER or relieve the SELLER of his obligation for the due fulfillment of the CONTRACT.

36.5 Cut-off Dates

No claims or correspondence on this Contract shall be entertained by the PURCHASER after 90 days after expiry of the performance guarantee (from the date of final extension, if any)

36.6 Paragraph heading

The paragraph heading in these conditions shall not affect the construction thereof.

37 Import License

37.1 No import license is required for the imports covered under this document.

38 Fall Clause

38.1 The price charged for the materials supplied under the order by the supplier shall in no event exceed the lowest price at which the supplier or his agent/principal/dealer, as the case may be, sells the materials of identical description to any persons/organizations including the PURCHASER or any department of the Central Govt. or any Deptt. Of a State Govt. or any Statutory Undertaking of the Central or State Govt. as the case may be, during the currency of the order.

38.2 If at any time during the said period, the supplier or his Agent /principal /dealer, as the case may be, reduces the sale price, sells or offers to sell such materials to any persons/organizations including the PURCHASER or any Deptt. Of Central Govt. or State Govt. as the case may be, at a price lower than the price chargeable under the order, he shall forthwith notify such reduction or sale or offer of sale to the PURCHASE Authority who has issued this order and the price payable under the order for the materials supplied after the date of coming into force of



such reduction or sale or offer of sale shall stand correspondingly reduced.

The above stipulation will, however, not apply to:

- a) Exports by the Contractor/Supplier or
- b) Sale of goods as original equipment at prices lower than the prices charged for normal replacement
- c) Sale of goods such as drugs, which have expiry dates.

38.3 The supplier shall furnish the following certificate to the concerned Paying Authority along with each bill for payment for supplies made against this order: -

“I/We certify that there has been no reduction in sale price of the Items /goods /materials of description identical to those supplied to the AGL under the order herein and such items/goods/materials have not been offered / sold by me/us to any person/organizations including the Purchaser or any Deptt. Of Central Govt. or any Deptt. of State Govt. or any Statutory Undertaking of the Central or State Govt. as the case may be up to the date of bill/during the currency of the order whichever is later, at a price lower than the price charged to the AGL under the order.”

Such a certificate shall be obtained, except for quantity of Items /goods /materials categories under sub-clause (a), (b) & (c) of sub- Para 38.2 above, of which details shall be furnished by the supplier.

39 Publicity & Advertising

39.1 Seller shall not without the written permission of PURCHASER make a reference to PURCHASER or any Company affiliated with PURCHASER or to the destination or the description of goods or services supplied under the contract in any publication, publicity or advertising media.

40 Repeat Order

40.1 PURCHASER reserves the right, within 6 months of order to place repeat order up to 100% of the total order value without any change in unit price or other terms and conditions.

41 Limitation of Liability

41.1 Notwithstanding anything contrary contained herein, the aggregate total liability of SELLER under the Agreement or otherwise shall be limited to 100% of Agreement / Order price.

However, neither party shall be liable to the other party for any indirect and consequential damages, loss of profits or loss of production.

42 General Terms & Conditions of Works Contract

1. SUBMISSION OF TENDER

A. The contractor shall make all arrangements at his own cost to transport the required materials outside and inside the working places and leaving the premises in a neat and tidy condition after completion of the job to the satisfaction of Owner. All materials except those agreed to be supplied by the Owner shall be supplied by the contractor at his own cost and the rates quoted by the Contractor should be inclusive of all royalties, rents, taxes, duties, statutory levies, if any, etc.

2. STATUTORY LEVIES

A. The Contractor accepts full and exclusive liability for the payment of any and all taxes, duties, cess, levies and statutory payments payable under all or any of the statutes. Variations of taxes and duties arising out of the amendments to the Central / State enactments, in respect of sale of goods / services covered under this bid shall be to AGL's account, so long as:

- They relate to the period after the opening of the price bid, but before the contracted completion period (excluding permitted extensions due to delay on account of the contractors, if any) or the actual completion period, whichever is earlier; and
- The vendor furnishes documentary evidence of incurrence of such variations, in addition to the invoices/documents for claiming Input Tax credit, wherever applicable.

B. The rates quoted should be inclusive of all taxes. However, wherever the tax is to be deducted at source, the same will be deducted from the bills of the Contractor and paid to the concerned authorities. The proof of such payments of tax will be furnished to the contractor.

The Vendor shall comply with all the provisions of the GST Act / Rules / requirements like providing of tax invoices, payment of taxes to the authorities within the due dates, filing of returns within the due dates etc. to enable AGL to take Input Tax Credit. In case of imports, vendor shall provide import documents and invoice fulfilling the requirement of Customs Act and Rules. Vendor will be fully responsible for complying with the Customs provisions to enable AGL to take input Tax Credit.

In case, AGL is not able to take Input Tax Credit due to any noncompliance/default/negligence of the seller of goods / service provider, the same shall be recovered from the pending bills/dues (including security deposit, BG etc.).

Vendor shall be responsible to indemnify the AGL for any loss, direct or implied, accrued to the AGL on account of supplier/service provider failure to discharge his statutory liabilities like paying taxes on time, filing appropriate returns within the prescribed time etc.

3. Anti - Profiteering Clause

GST Act. anti-profiteering provisions mandates that any reduction in tax rates or benefits of input tax credits be passed on to the consumer by way of commensurate reduction in prices. Vendors to take note of the same and pass such benefits while quoting their price.

43 **General Terms & Conditions For Supply**

1. PRICE

- a. Unless otherwise agreed to in the terms of the Purchase Order, the price shall be firm and not subject to escalation for any reason whatsoever till the execution of entire order, even though it might be necessary for the order execution to take longer than the delivery period specified in the order.
- b. Price shall be exclusive of GST (CGST, SGST, IGST as applicable), Customs Duty and applicable cess, which are leviable by law on sale of finished goods to AGL. The nature and extent of such levies shall be shown separately.

2. TAXES & DUTIES:

- a. GST (CGST, SGST, IGST as applicable), Customs Duty and applicable Cess as applicable shall be reimbursed for the materials consigned to AGL as per limits indicated in the offer against documentary evidence to be furnished by the Supplier. AGL shall pay only those taxes, duties and levies as indicated by Supplier at the time of bid submission/as agreed subsequently (prior to opening of priced bids). Taxes / Duties and/or Levies not indicated by supplier in Bid, but payable, shall be to Supplier's account. In case of any increase/decrease applicable in GST (CGST, SGST, IGST as applicable) Custom Duty and applicable Cess indicated with reference to limits mentioned in the offer / bid or new taxes / duties / levies imposed by the Indian Government through Gazette notification after the date of submission of last Price bid but prior to Contractual Delivery Date, the AGL shall reimburse/adjust the increase/decrease in taxes & duties on satisfactory supporting documents.
- b. Supplier shall be responsible for availing all applicable concessions in taxes, duties, levies etc. as per terms of Purchase Order. Any loss, direct or implied, accrued to AGL on account of supplier's failure to avail concessions shall be borne by Supplier.

3. CUSTOMS DUTY (CD) VARIATION

- a. The prices mentioned in offer are subject to Customs Duty (CD) variation. In case of any increase in rates of Customs Duty, IGST and applicable Cess by the Indian Government through Gazette notification after the submission of last priced offer but within the time schedule for import of materials, as mentioned. AGL shall reimburse the increase in taxes & duties at actuals against satisfactory supporting documents.
- b. All downward variations in the rates of all such duties shall be to AGL's account and same shall be calculated on actual CIF value of imported materials. Supplier shall submit all relevant documents to AGL for the proof of duty paid by them within one month from the date of Bill of Entry (BOE).
- c. Custom Duty variation shall be paid by AGL up to the limit of maximum CIF value of imported components as indicated in the offer.
- d. Rate of Custom Duty along with tariff number considered by Supplier in the prices shall be indicated in the offer.

The Vendor shall comply with all the provisions of the GST Act / Rules / requirements like providing of tax invoices, payment of taxes to the authorities within the due dates, filing of returns within the due dates etc. to enable AGL to take Input Tax Credit. In case of imports, vendor shall provide import documents and invoice fulfilling the requirement of Customs Act and Rules. Vendor will be fully responsible for complying with the Customs provisions to enable AGL to take Input Tax Credit.

In case, AGL is not able to take Input Tax Credit due to any noncompliance / default / negligence of the seller of goods / service provider, the same shall be recovered from the pending bills/dues (including security deposit, BG etc.).

Vendor shall be responsible to indemnify the AGL for any loss, direct or implied, accrued to the AGL on account of supplier/service provider failure to discharge his statutory liabilities like paying taxes on time, filing appropriate returns within the prescribed time etc.

4. Anti - Profiteering Clause

GST Act. Anti-profiteering provisions mandates that any reduction in tax rates or benefits of input tax credits be passed on to the consumer by way of commensurate reduction in prices. Vendors to take note of the same and pass such benefits while quoting their price

44 General Terms & Conditions of contract for Consultancy Services

A. STATUTORY LEVIES, TAXES AND DUTIES

- 1 The Consulting-firm accepts full and exclusive liability for payment of all taxes under any Statute as applicable in performance of the service and quoted price should include all such taxes & duties, if applicable which will be quoted separately.
- 2 All Domestic Consulting-firm's should have GST registration and to provide a copy of such registration certificate and classification of service along with bid document unless exempted for which necessary document support is provided.
- 3 In case of Foreign Consultants, where the service is provided from the establishment within India, clause 1 and as applicable to Indian Bidder in 2 would apply. Where the service is provided from the establishment situated outside India, GST tax will be paid by the Owner as recipient of service as per existing Act & Rules.
- 4 The Owner may claim Input Tax credit. The bidder should quote GST separately. Bidder should provide tax invoice as per the act / rules to enable owner to claim Input Tax Credit.
- 5 All taxes & duties payable outside India in respect of performance of the contract shall be borne & paid by the Consultant. The Consulting-firm shall bear and pay all the liabilities in respect of non-observance of all legal formalities as per various statutory provisions.
- 6 Unless specifically provided for in the tender documents or any Special Conditions, Variations of taxes i.e.GST quoted in price bid arising out of the amendments to the Central / State enactment, in respect of services covered under this bid shall be to Owner's account, so long as:

- (i) **They relate to the period from the date /time of opening of the bid, but before the contractual completion period (excluding permitted extensions due to delay on account of the Consulting-firm, if any) or the actual completion period, whichever is earlier; and**
 - (ii) The consultant furnishes documentary evidence of incurrence of such variations, in addition to the invoices and filing required returns for claiming Input Tax credit, wherever applicable.
- 7 The Consultant shall bear and pay all liabilities in respect of statutory variations in taxes and duties and imposition of new taxes and duties that may be imposed after the delivery and payment schedule execution dates, as originally stipulated, in case the delivery dates are extended due to reasons attributable to Consultant.

The Vendor shall comply with all the provisions of the GST Act / Rules / requirements like providing of tax invoices, payment of taxes to the authorities within the due dates, filing of returns within the due dates etc. to enable AGL to take Input Tax Credit.

In case, AGL is not able to take Input Tax Credit due to any noncompliance/default/negligence of the seller of goods / service provider, the same shall be recovered from the pending bills/dues (including security deposit, BG etc.).

Vendor shall be responsible to indemnify the AGL for any loss, direct or implied, accrued to the AGL on account of supplier/service provider failure to discharge his statutory liabilities like paying taxes on time, filing appropriate returns within the prescribed time etc.



SECTION VI
SCHEDULE OF RATES (SOR)

SCHEDULE OF RATES (SOR)					
Sr. No.	Item Description	Unit	Quantity	Unit price including cost of imported raw material / components & customs duty thereon, Pkg / fwdg, freight, Transit Insurance, TPI on finished goods, Loading and Unloading at site, Excluding GST	Total Amount including cost of imported raw material / components & customs duty thereon, Pkg / fwdg, freight, Transit Insurance, TPI on finished goods, Loading and Unloading at site, Excluding GST
10	Supply, Installation, Testing and Commissioning of 200 Amp. Switch Fuse Unit (SFU) HRC type with weatherproof enclosure box suitable for fixing on wall/Pole for isolation of main Supply from Transformer area.	Nos.	20		
20	Supply, Installation, testing & commissioning of LT Panel with APFC, 415V, 50 Hz, floor/wall mounted type, min. IP-42 with fixed type feeders as per typical SLD attached and AGL technical specification. The Scope including transportation up to site at the place of installation, unpacking, assembly, including mounting and wiring of loose parts supplied by equipment vendor/Contractor, and requisite inter-panel wiring including supply of all wiring materials, installation on foundations or fixing to wall or steel structures, aligning, levelling, grouting, including all labour and materials, as per approved drawings, specifications of this tender and directions of Aavantika Gas. Floor mounted /wall mounted LT Panels shall be type tested/approved by CPRI is accepted.	Nos.	20		
30	Supply Installation ,testing & Commissioning of floor/wall mounted 230 V Distribution panel Min. IP 42,with heavy duty structure for mounting on floor/wall and as per typical SLD of DBS station and Aavantika electrical specification. Scope including transportation up to site at the place of installation, unpacking, assembly, including mounting and wiring of loose parts supplied by equipment vendor/Contractor, and requisite inter-panel wiring if required, including supply of all wiring materials, installation on foundations or fixing to wall or steel structures, aligning, levelling, grouting, including all labour and materials, as per approved drawings, specifications of this tender and directions of Aavantika Gas Floor mounted /wall mounted LT Panels shall be type tested/approved by CPRI is accepted.		20		
	POWER CABLES : Supply, Laying, Testing of Power Cables with glands and lugs suitable for explosive area – Copper/Aluminium conductor, XLPE insulated, 1100 V grade, PVC,FRLS sheathed, Armoured cable or as per tender specification and latest standard IS7098 for following sizes & type surface trench /on wall /structure surface /in G.I Pipes/ conduit as specified (Refer SLD) Proper cable dressing, cable clamping, inclusive all test before and after laying of cable . (Without Excavation rate) .				
40	3.5C x 95 sqmm AL XLPE Cable	Mtr.	200		
50	3C X 2.5sqmm XLPE FRLS CU cable	Mtr.	2,000		
60	S.I.T.C .1C X 25 SQ.MM Flexible CU wire	Mtr.	500		
70	Supply material for Fabrication & Erection of items fabricated from structural steel covered under various items listed like local control station support, cable tray support, bracket for lighting fittings, junction box and other Electrical structures	Kg.	600		
80	Supply and Installation of Electric Shock Treatment Chart duly framed with glass covered and mounting arrangement.	Nos.	20		
90	Supply and Installation of laminated Single Line Diagram of electrical system on wooden frame & submitting the prepared	Nos.	20		

	detailed AutoCAD drawing to Engineer in-charge.				
100	Supply Installation of Warning Boards- Danger "415 V" as per Aavantika Gas specification	Nos.	20		
110	Supply of Rubber hand gloves duly tested ISI, IE Rules.- 1100V grade	Nos.	20		
120	Supply of PVC Synthetic elastomer electrically Insulating Mat with CLASS A insulation conforming to IS 15652-2006 having 2 mm thickness upto 3.3 KV shall be provided near electrical control panel and compressor panel	Sq. mm.	40		
130	Supply of First aid box with front door having clear glass and first aid material conforming to IE rules with prescribed medicines	Nos.	20		
140	Supply, Transportation at site Installation, testing & Commissioning including unpacking, interpanel wiring with UPS etc., 3 KVA, single phase servo voltage Industrial Stabilizer having air cooled facility .Refer Aavantika Gas Technical specification.	Nos.	20		
150	Supply, Transportation at site Installation, Testing & Commissioning including unpacking, interpanel wiring with UPS etc., 4.5 KVA, Single phase, Isolation Transformer having Air cooled facility as per Torrent Gas Technical Data Sheet.	Nos.	20		

Bidder to Quote GST (%) : _____

**** The Quoted GST % shall be applicable on total quoted amount**

PREAMBLE TO SCHEDULE OF RATES

- 1.0 The Schedule of Rates (SOR) shall be read in conjunction with all other sections of the Bid Document.
- 2.0 The Bidder is deemed to have studied the drawings, specifications, General Conditions of Contract (GCC) and details of works to be done within the Time-schedule specified in the Bid document and should have acquainted himself of the conditions prevailing at Project-site.
- 3.0 All duties and Taxes, GST and other levies or any other statutory payment payable by the bidder for supply of goods / material at AGL store/site shall be included in the SOR.
- 4.0 Bidders must submit firm prices for all the items of SOR. Bids of all such Bidders not complying with this requirement shall not be accepted.
- 5.0 Bidders shall quote as per the items of SOR only. No comment, explanation or Clarification in SOR is acceptable.
- 6.0 The quantities specified in SOR are tentative and shall be used to evaluate the Bidder's position. AGL does not make any commitment for quantities to be ordered on daily or monthly basis; and payments shall be released for actual quantities ordered and supplied/executed.
- 7.0 No claim shall be entertained during the currency of the contract towards any item due to the above including where the Bidder/ contractor has quoted low / high prices.
- 8.0 All items of work mentioned in the SOR shall be carried out as per the specifications, drawings and instructions of Purchaser and the Prices are deemed to be inclusive of costs towards material, consumables, labour, supervision, tools & tackles and detailing of construction/ fabrication drawings, isometric wherever required as called for in the detailed specifications and condition of the Contract.
- 9.0 Purchaser reserves the right to cancel / delete / curtail any item of work if necessary. Such a step shall not be considered as a reason for changing the Prices.
- 10.0 The prices quoted in SOR shall be deemed to include all activities of work mentioned in item-description (short description) of SOR (detailed).

Name, Signature & Stamp of
Authorized Signatory of Bidder



SECTION VII
PACKING AND MARKING & SHIPPING

PACKING, MARKING, SHIPPING AND DOCUMENTATION SPECIFICATIONS FOR INDIGENOUS MATERIALS

1.0 GENERAL

- 1.1 This specification forms an integral part of the relevant PURCHASE ORDER, in addition to the specifications, drawings and instructions explicitly listed in the PURCHASE ORDER.
- 1.2 Seller shall strictly comply with all applicable prescriptions in the specifications. Lack of relevant information and/or documents shall not absolve the SELLER of his responsibilities and any loss arising out of non-compliance shall be to supplier's account.

2.0 PROJECT

Name of PURCHASER, Project location and some other relevant information are as per Bid document / Annexure.

3.0 PACKING

- 3.1 The packing specifications incorporated herein are supplementary to the internal and external packing methods and standards as per current rules of IRCA goods tariff Part-I. All packing shall be done in such a manner so as to reduce volume as much as possible. Fragile articles should be packed with special packing materials depending on the type of materials.
- 3.2 Items shipped in bundles must be securely tied with steel wire or strapping. Steel reinforcing rods, bars, pipes, structural materials, etc. shall be bundled in uniform lengths and the weight shall be within the breaking strength of the securing wire or strapping.
- 3.3 All delicate surfaces on equipment/materials should be carefully protected and painted with protective paint/compound and wrapped to prevent rusting and damage.
- 3.4 All mechanical and electrical equipment and other heavy articles shall be securely fastened to the case bottom and shall be blocked and braced to avoid any displacement/shifting during transit.
- 3.5 Attachments and spare parts of equipment and all small pieces shall be packed separately in wooden cases with adequate protection inside the case and wherever possible should be sent along with main equipment. Each item shall be suitably tagged with identification of main equipment, item denomination and reference number of respective assembly drawing. Each item of steel structure and equipments shall be identified with two erection markings with minimum lettering height of 15 mm. Such marking will be followed by connection numbers in indelible ink/paint. A copy of the packing list shall accompany the material in each package.
- 3.6 All protrusions shall be suitably protected by providing a cover comprising of tightly bolted wooden discs on the flanges.
- 3.7 Wherever required, equipments/materials/instruments shall be enveloped in polyethylene bags containing silica gel or similar dehydrating compound.



3.8 Detailed packing list in waterproof envelope shall be inserted in the package together with equipment/material.

One copy of the detailed packing list shall be fastened outside the package in waterproof envelope and covered by metal cover.

3.9 The Seller shall be held liable for all damages or breakages to the goods due to the defective or insufficient packing as well as for corrosion due to insufficient protection.

3.10 Packaged equipment or material showing damage, defects or shortages resulting from improper packaging material or packing procedures or having concealed damage or shortages, at the time of unpacking shall be to the seller's account.

4.0 MARKING

4.1 Each package shall be marked on three sides with proper paints/indelible waterproof ink as follows:

PURCHASER
 PROJECT
 DEST
 INATION

Delivery Order No..... Net

Wt..... Kgs Gross W t..... Kgs.

Dimensions.....X.....X.....CM.

Package No. (Sl. No. of total

packages)..... Seller's Nam

e.....

4.2 Additional marking such as 'HANDLE WITH CARE', 'THIS SIDE UP', 'FRAGILE' or any other additional indications for protection and safe handling shall be added depending on the type of material.

4.3 Specific marking with paint for 'SLINGING and 'CENTRE OF GRAVITY' should be provided for all heavy lifts weighing 5 Tons and above.

4.4 In case of bundles/bags or other packages, wherever marking cannot be stenciled, the same shall be embossed on metal or similar tag and wired securely at two convenient points.

5.0 SHIPMENT

5.1 Dispatch of materials shall be made in accordance with the relevant terms of the Purchase/Delivery Order. Any change in mode of transport shall be resorted to only after prior approval in writing. Seller shall ensure dispatch of equipments/materials immediately after they are inspected and released. All consignments shall be booked in the name of Purchaser and not under self-basis.

5.2 Dispatch By Road

- (a) The Seller shall be responsible for dispatch of materials on DOOR-DELIVERY basis through a reliable Bank-Approved transport company unless otherwise the transport company is named by PURCHASER.
- (b) The SELLER shall ensure with Transport Company the delivery of materials within a reasonable transit period. SELLER shall also obtain from transporter, particulars of Lorry Number, Transporter's Challan Number, destination of lorry (if transshipment is involved), Transporter's Agent at destination, if any, etc. and intimate same to Engineer In charge., AGL

5.3 Dispatch by Rail

5.3.1 The SELLER shall be responsible for:

- (a) Dispatch by the shortest possible route. The Seller shall as far as possible, Dispatch the materials by the fastest goods train like QTS, Super Express Goods, etc. wherever such facilities exist.
- (b) Correct classification of goods and freight charges.
- (c) Obtaining clean Railway Receipts without any qualifying remarks.

Should there be any restriction for movement by a particular route, the Railway authorities should be requested to move goods by the next alternative route, subject to prior consent of Engineer In charge, AGL.

5.3.2 As "SMALLS"

When the materials that do not make up a wagonload by weight/volume or for minimum freight payable for a wagon the Dispatch should be affected as "smalls".

SELLER should obtain from the Railway, the particulars of wagon in which the "Smalls" have been loaded, station at which sealed, train Number and date/time of movement and transmit the same to the Engineer In charge, for monitoring their movement.

5.3.3 As Wagon Loads

Consignments, though of lesser weight, but otherwise constituting a "wagon load" by volume should be dispatched as "wagon load" paying the freight applicable to a minimum wagon load or at the smalls rate, whichever is advantageous, as per Rule-164 of IRCA Goods Tariff Part-I (Vol.I).

When consignments call for full wagon(s), indents should be placed with the Railway Station concerned after predetermining accurately the type and number of wagons required. In case of covered wagons, it should be ensured that the same are watertight. If a particular type of wagon is in short supply, request should be made to the Railway Authorities to supply the next suitable type of wagon. Suitable packing in the wagon shall be done, wherever necessary, to ensure maximum safety of the material in transit.

When ODC packages are involved, the SELLER shall apply to the Railway Authorities with loading sketches showing overall dimensions and the wagon proposed to be utilized sufficiently in advance for obtaining movement sanction and to establish firm transportability. Copies of all such correspondence together with loading sketches should be sent to Engineer Incharge, AGL. ODC packages shall be loaded, packed and lashed strictly in accordance with the Railway Regulations. Should there be any delay/difficulty in obtaining the required wagon(s), the SELLER shall inform Engineer In charge, AGL immediately giving details of the required number of wagons, type, carrying capacity, etc. and indent number so that the matter may be taken up with the Railway Authorities concerned.

After Dispatch, SELLER shall obtain from the Railway Authorities, particulars of the wagon/train number, date of movement and destination junction for the particular train and furnish the same to the Engineer In charge, AGL for follow-up action on movement, as may be necessary.

After Dispatch of the equipment from dispatching station, if movement of the wagon is held-up due to improper/loose lashing resulting in shifting of the load and consignment is required to be readjusted / refixed the vendor shall be responsible to arrange for the same as per Railway requirements. Similarly, in case some infringement in dimensions of the loaded consignment is detected by Railway Authorities after its movement from dispatching station and if it is required to be corrected either by adjustment of the load or by cutting a few protrusions the same shall be arranged by vendor at their cost.

5.4 Shipment by Air

Wherever SELLER is instructed by PURCHASER to airfreight any material, the SELLER shall take prompt action for the same. Immediately after air shipment is effected, the Seller shall intimate by Fax / Email, the details of airway bill number and date, flight number, number of packages etc. to the Engineer In charge, AGL.

5.5 Destination

The consignments should be dispatched as indicated in bid document Purchase/Delivery Order.

5.6 Advance Information

Immediately after a shipment is made, SELLER shall send advance information as to the particulars of materials, value, Delivery Order Number, date of Dispatch, railway receipt number, wagon number/goods consignment note number, truck number, name of transport company and their destination office/associate's address etc./Airway Bill



Number and flight details by way of Fax / E-Mail to Engineer In charge and Engineer – C&P, AGL.

5.7 Transmission of Dispatch Documents

Seller shall, within 48 hours of the Dispatch of the material depending upon the payment terms of the Purchase Order, either negotiate through PURCHASER's Bankers or forward direct by Registered Post, the railway receipt/consignment note/Airway Bill to the Purchaser at project site accompanied by the original invoices, packing lists and challans.

The SELLER shall be responsible for any delay in clearance of the consignment at destination and consequent wharf age / demurrage, if any, due to delay in transmittal of the Railway Receipt, Consignment Note/Air Way Bill.

Copies of such Dispatch advise together with 2 copies of invoices and packing lists shall be simultaneously distributed to PURCHASER's (HO & Site).

6.0 TRANSIT RISK INSURANCE

All equipments/ materials will be insured for transit risk by PURCHASER unless otherwise specified. The Insurance cover will be provided from warehouse - to - warehouse.

7.0 DESPATCH THROUGH APPROVED TRANSPORTERS

All materials shall be dispatched through any bank approved transporter.



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SECTION – VIII

FORMS AND FORMATS



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FORM – 1
BIDDER'S GENERAL INFORMATION

To

Aavantika Gas Limited

202 – B, 2nd Floor, NRK Business Park,
 Vijay Nagar Square, A.B. Road,
 Indore (M.P), Pin – 452010

1-1 Bidder Name: _____

1-2 Number of Years in Operation: _____

1-3 Address of Registered Office: _____

City _____ District _____

State _____ PIN/ZIP _____

1-4 Operation Address

if different from above: _____

City _____ District _____

State _____ PIN/ZIP _____

1-5 Telephone Number:

(Country Code) (Area Code) (Telephone Number)

1-6 E-mail address: _____

1-7 Website: _____

1-8 Fax Number: _____

(Country Code) (Area Code) (Telephone Number)

1-9 ISO Certification, if any {If yes, please furnish details}

1-10 Bid Currency _____

1-11 Port of shipment / Dispatch Point _____

Bidder Seal & Sign

NATURAL GAS- CLEAN ENERGY, GREEN ENERGY



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- 1-12 Whether Supplier / Manufacturer _____
Dealer/Trader/Contractor
1-13 Type of Material Supplies : _____
1-14 Banker's Name : _____
1-15 Branch : _____
1-16 Branch Code : _____
1-17 Bank account number : _____
1-18 GSTN No.: _____
1-19 State / UT.: _____
1-20 PAN No. : _____
1-21 Whether SSI Registrant Or not : _____
1-22 EPF No. _____

(SIGNATURE OF BIDDER WITH SEAL)

NOTE:

1. Bidders have to submit the supporting document confirming the above registrations.



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**FORM – 2
BID FORM**

To
Aavantika Gas Limited
202 – B, 2nd Floor, NRK Business Park,
Vijay Nagar Square, A.B. Road,
Indore (M.P), Pin – 452010
Dear Sir,

After examining/reviewing the Bidding Documents for indented material, including technical specifications, drawings, General and Special Conditions of Contract and Price schedule etc. the receipt of which is hereby duly acknowledged, we, the undersigned, are pleased to bid to execute the whole of the Job for the item in conformity with, the said Bidding Documents, including Corrigendum / Addenda Nos.....

We confirm that this bid is valid for a period of Four (4) months from the date of opening of Techno-Commercial Bid, and it shall remain binding upon us and may be accepted by any time before the expiration of that period.

If our bid is accepted, we will provide the performance guarantee equal to 10% (ten per cent) of each Delivery Order, for the due performance with in fifteen days of such award. Until a final Contract is prepared and executed, the bid together with your written acceptance thereof in your notification of award shall constitute a binding Contract between us.

We understand that Bidding Document is not exhaustive and any action and activity not mentioned in Bidding Documents but may be inferred to be included to meet the intend of the Bid Documents shall be deemed to be mentioned in Bidding Documents unless otherwise specifically excluded and we confirm to perform for fulfillment of Agreement and completeness of the Work in all respects within the time frame and agreed price.

We understand that you are not bound to accept the lowest priced or any bid that you may receive.

SEAL AND SIGNATURE
DATE:

Duly authorized to sign bid for and on behalf of

(SIGNATURE OF WITNESS)

WITNESS NAME:
ADDRESS:



**FORM – 3 A
ANNUAL TURNOVER**

Bidder must fill in this form

Annual Turnover data for the last 3 years:

Year		Amount (in INR)
Year 1:		
Year 2:		
Year 3:		

1. The information supplied should be the Annual Turnover of the bidder
2. A brief note should be appended describing thereby details of turnover as per audited results.

SEAL AND SIGNATURE OF THE BIDDER



**FORM – 3 B
FINANCIAL STATUS**

Bidder must fill this form

FINANCIAL DATA FOR LAST AUDITED FINANCIAL YEAR

Description	For the year of
	Amount (in INR)
1. Current assets	
2. Current Liabilities (including secured and un-secured short term loans & working capital loans)	
3. Working Capital (Current Assets-Current liabilities)	
4. Net Worth Owners funds (Paid up share capital and Free Reserves & Surplus) (NW)	

- Attached are copies of the audited balance sheets, including all related notes and income statement for the last Audited Financial year, as indicated above, complying with the following conditions.
 - All such documents reflect the financial situation of the bidder
 - Historic financial statements must be audited by a certified accountant.
 - Historic financial statements must be complete, including all notes to the financial statements.
 - Historic financial statements must correspond to accounting periods already completed and audited (no statement for partial periods shall be requested or accepted)

SEAL AND SIGNATURE OF BIDDER



FORM – 3 C
FORMAT FOR CERTIFICATE FROM BANK IF BIDDER'S WORKING
CAPITAL IS INADEQUATE / NEGATIVE

(To be provided on Bank's letter head)

To,
 M/s Avantika Gas Limited

Date:

Dear Sir,

This is to certify that M/s----- (name of the Bidder with address) (hereinafter referred to as Customer) is an existing Customer of our Bank.

The Customer has informed that they wish to bid for Avantika Gas Limited Tender No.----- dated----- for----- (Name of the supply/work/services/consultancy) and as per the terms of said Tender Document they have to furnish a certificate from their Bank confirming the availability of line of credit.

According M/s----- (name of the Bank with address) confirms availability of line of credit to M/s----- (name of the Bidder) for at least an amount of Rs.....

It is also confirmed that the net worth of the Bank is more than Rs. 100 Crores (or Equivalent USD) and the undersigned is authorized to issue this certificate.

Yours truly,

For.....(Name & address of Bank)

(Authorized signatory)
 Name of the signatory:
 Designation:
 Email Id:
 Contact No.:
 Stamp:

Note:

This Declaration Letter for line of credit shall be from single bank only. Letters from multiple banks shall not be applicable. However, banking syndicate will be acceptable wherein a group of banks can jointly provide line of credit to the bidder.



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FORM – 4
PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT/ BID SECURITY
 (To be stamped in accordance with the Stamp Act)

Ref.....

Bank Guarantee No.....

Date.....

To
 Aavantika Gas Limited,
 Second Floor 202-B, NRK Business Park,
 Vijay Nagar Square, AB Road,
 Indore-452010,

Dear Sir(s),
 In accordance with Invitation for Bid under your reference No. _____
 M/s. _____ having their Registered / Head Office at
 _____ (hereinafter called the Tenderer) wish to participate in the
 said bidding for _____.

As an irrevocable Bank Guarantee against Earnest Money for the amount of
 _____ is required to be submitted by the Bidder as a condition precedent for
 participation in the said bidding which amount is liable to be forfeited on the happening of
 any contingencies mentioned in the Bidding Document.

We, the _____ Bank at _____
 having our Head Office _____
 (Local Address) guarantee and undertake to pay immediately on demand without any
 recourse to the bidder by AAVANTIKA GAS Ltd., the amount _____
 _____ without any reservation, protest, demur and recourse. Any
 such demand made by AAVANTIKA GAS Ltd., shall be conclusive and binding on us
 irrespective of any dispute or difference raised by the Bidder.

This guarantee shall be irrevocable and shall remain valid upto _____ [this date
 should be valid for 2 months in excess of bid validity]. If any further extension of this
 guarantee is required, the same shall be extended to such required period on
 receiving instructions from M/s. _____
 whose behalf this guarantee is issued.

In witness whereof the Bank, through its authorized officer, has set its hand and stamp on
 this _____ day of _____ 200__ at _____.

WITNESS:

(SIGNATURE)
 (NAME)

(SIGNATURE)
 (NAME)
 Designation with Bank Stamp

(OFFICIAL ADDRESS)

Attorney as per Power of Attorney
 No. _____
 Date: _____

INSTRUCTIONS FOR FURNISHING BANK GUARANTEE FOR EMD/BID SECURITY

1. The Bank Guarantee by bidders will be given on non-judicial stamp paper as per stamp duty applicable. The non-judicial stamp paper should be in the name of the issuing bank. In case of foreign bank, the said banks guarantee to be issued by its correspondent bank in India on requisite non-judicial stamp paper.
2. The expiry date as mentioned in bid document should be arrived at by adding 2 months to the date of expiry of the bid validity unless otherwise specified in the Bidding Documents.
3. The bank guarantee by bidders will be given from bank as specified in ITB
4. A letter from the issuing bank of the requisite Bank Guarantee confirming that said bank guarantee /all future communication relating to the Bank Guarantee shall be forwarded to the Purchaser at its address as mentioned at ITB.
5. Bidders must indicate the full postal address of the bank along with the bank's e-mail/ Fax no. From where the earnest money bond has been issued.
6. If a bank guarantee is issued by a commercial bank, then a letter to Employer confirming its net worth is more than Rs. 1,000,000,000/- (Rupees one hundred crore) or equivalent along with documentary evidence.

Bank details for BG/LC (SFMS) receiving through SFMS:

Bank Name: ICICI Bank Limited

Bank IFSC: ICIC0000041

Bank A/c No.: 004105013583

Bank Address: ICICI BANK LTD, MALAV PARISAR,4 CHOTI KHAJRANI, A.B. ROAD.INDORE 452008 (M.P), INDORE

The bidders bank has to send the below details in the BG SWIFT message to our Banker:

77C: Details of Guarantee

7035: ICIC0000041

7036: ICICI BANK LTD, INDORE AC NO 004105013583

7037: AG533170984 Unique Identifier Number (Mandatory)

7038: XXXXX

7039: XXXXXX(XX)DT XX.XX.2024



FORM – 5

**LETTER OF AUTHORITY
 PROFORMA FOR LETTER OF AUTHORITY FOR ATTENDING AND SUBSEQUENT
 NEGOTIATIONS / CONFERENCES**

No.

Date:

Aavantika Gas Limited
 202 – B, 2nd Floor, NRK Business Park,
 Vijay Nagar Square, A.B. Road,
 Indore (M.P), Pin – 452010

Dear Sir,

We _____ hereby authorize following representative(s) to attend Bid opening and for any other correspondence and communication against above Bidding Document:

Name & Designation _____ Signature _____

Name & Designation _____ Signature _____

We confirm that we shall be bound by all commitments made by aforementioned authorized representatives.

Yours faithfully,

Signature

Name & Designation

For and on behalf of

Note: This letter of authority should be on the letterhead of the bidder and should be signed by a person competent and having the power of attorney to bind the bidder.

Not more than two persons are permitted to attend techno –commercial un-priced and price bid opening.



FORM – 6

**NO DEVIATION CONFIRMATION
(OM BIDDER'S LETTERHEAD)**

Aavantika Gas Limited
202 – B, 2nd Floor, NRK Business Park,
Vijay Nagar Square, A.B. Road,
Indore (M.P), Pin – 452010

Dear Sir,

We understand that any deviation / exception in any form may result in rejection of bid. We, therefore, certify that we have not taken any exceptions/deviations anywhere in the bid and we agree that if any deviation / exception is mentioned or noticed, our bid may be rejected.

(SEAL AND SIGNATURE OF BIDDER)



FORM – 8

DETAILS OF SIMILAR WORK DONE DURING PAST FIVE YEARS

Sr. No.	Description of the work	Location of the work	Full Postal Address and phone nos. of Client & Name of Officer-in-Charge	Value of Contract	Date of Commencement of Work	Scheduled Completion Time (Months)	Date of Actual Completion	Reasons for delay in project completion, if any

Note: Copies of Letter of awards and completion certificate for the above works to be enclosed. The Work completed earlier than five years need not be indicated here. The list of work, not of similar nature need not be indicated here Failing to comply aforementioned instructions may lead to rejection of bid.

SEAL AND SIGNATURE OF BIDDER



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FORM – 9

**PROFORMA FOR CONTRACT PERFORMANCE BANK GUARANTEE
(ON NON-JUDICIAL PAPER OF APPROPRIATE VALUE)**

Ref: Bank Guarantee No.....
Date.....

To
Aavantika Gas Limited
202 – B, 2nd Floor, NRK Business Park,
Vijay Nagar Square, A.B. Road,
Indore (M.P), Pin – 452010

Dear Sirs,

M/s _____ have been
awarded the work of _____ (Specify Tender Name & No.),
vide _____ LOI/ POWO No.
_____ (Specify the LOI/ PO / WO
No.)

_____ for AAVANTIKA GAS
Ltd.,
202 – B, 2nd Floor, NRK Business Park, Vijay Nagar Square, A.B. Road, Indore (M.P.) India.

The Contracts conditions provide that the CONTRACTOR shall pay a sum of _____ (as full Contract Performance Guarantee in the form therein mentioned. The form of payment of Contract Performance Guarantee includes guarantee executed by Nationalized Bank, undertaking full responsibility to indemnify AAVANTIKA GAS Ltd., in case of default.

The said _____ (name of the contractor's firm) has approached us and at their request and in consideration of the premises we having our office at _____ have agreed to give such guarantee as hereinafter mentioned.

1. We _____ (name _____ of _____ the _____ Bank) _____ hereby undertake and agree with you that if default shall be made by M/s _____ in performing any of the terms and conditions of the tender or in payment of any money payable to AAVANTIKA GAS Ltd., we shall on demand pay without any recourse to the contractor to you in such manner as you may direct the said amount of _____ only or such portion thereof not exceeding the said sum as you may from time to time require.
2. You will have the full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said _____ and to



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enforce or to forbear from endorsing any powers or rights or by reason of time being given to the said

_____ which under law relating to the sureties would but for provision have the effect of releasing us.

3. Your right to recover the said sum of _____ (_____) from us in manner aforesaid will not be affected or suspended by reason of the fact that any dispute or disputes have been raised by the said M/s. _____ and/or that any dispute or disputes are pending before any officer, tribunal or court.
4. The guarantee herein contained shall not be determined or affected by the liquidation or winding up dissolution or changes of constitution or insolvency of the said but shall in all respects and for all purposes be binding and operative until payment of all money due to you in respect of such liabilities is paid.
5. This guarantee shall be irrevocable and shall remain valid upto _____, If any further extension of this guarantee is required, the same shall be extended to such required period on receiving instruction from M/s. _____ on whose behalf this guarantee is issued.
6. The Bank Guarantee's payment of an amount is payable on demand and in any case within 48 hours of the presentation of the letter of invocation of Bank Guarantee. Should the banker fail to release payment on demand, a penal interest of 18% per annum shall become payable immediately and any dispute arising out of or in relation to the said Bank Guarantee shall be subject to the jurisdiction of Indore Courts.
7. We have power to issue this guarantee in your favor under Memorandum and Articles of Association and the undersigned has full power to do under the Power of Attorney dated _____ granted to him by the Bank.

Yours faithfully,
 _____ Bank

By its Constituted Attorney

Signature of a person duly authorized to sign on behalf of the Bank.



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INSTRUCTIONS FOR FURNISHING CONTRACT PERFORMANCE GUARANTEE

1. The Bank Guarantee by successful bidder(s) will be given on non-judicial stamp paper as per stamp duty applicable. The non-judicial stamp paper should be in name of the issuing bank. In case of foreign bank, the said bank guarantee to be issued by its correspondent bank in India on requisite non-judicial stamp paper and place of bid to be considered as Indore.
2. The bank guarantee by bidders will be given from bank as specified in ITB.
3. A letter from the issuing bank of the requisite Bank Guarantee confirming that said bank guarantee and all future communication relating to the Bank Guarantee shall be forwarded to Purchaser
4. If a bank guarantee is issued by a commercial bank, then a letter to Owner confirming its net worth is more than Rs. 1,000,000,000/- (Rupees one hundred Crores) or its equivalent in foreign currency along with a documentary evidence.

Bank details for BG/LC (SFMS) receiving through SFMS:

Bank Name: ICICI Bank Limited

Bank IFSC: ICIC0000041

Bank A/c No.: 004105013583

**Bank Address: ICICI BANK LTD, MALAV PARISAR,4 CHOTI KHAJRANI, A.B.
ROAD.INDORE 452008 (M.P), INDORE**

The bidders bank has to send the below details in the BG SWIFT message to our Banker:

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7036: ICICI BANK LTD, INDORE AC NO 004105013583

7037: AG533170984 Unique Identifier Number (Mandatory)

7038: XXXXX

7039: XXXXXX(XX)DT XX.XX.2024



FORM -10

**CERTIFICATE OF NON-INVOLVEMENT OF AGENT
(ON BIDDER'S LETTERHEAD)**

Aavantika Gas Limited
202 – B, 2nd Floor, NRK Business Park,
Vijay Nagar Square, A.B. Road,
Indore (M.P), Pin – 452010

Dear Sir,

This is to certify that we have not engaged involve any Agent / Consultant / Retainer / Associate who is not an employee of _____ (name of your company) for payment of any remuneration thereof in India or abroad. Therefore, no Agent's / Representative's / consultant's commission is payable in India or abroad against this Contract.

SIGNATURE AND SEAL OF BIDDER

Notes:

1. This certificate should be issued in the Letter Head of the Bidder.
2. This certificate is to be issued only if there is no Agent / Consultant/ Retainer/ Associate is involved.



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**DECLARATION
(ON BIDDER'S LETTER HEAD)**

In view of participating in the subject Tender, We hereby confirm that we have not been banned by any CGD Company for the tendered product/service.

SEAL AND SIGNATURE OF BIDDER



E-Tender No.: AGL/Head Office/Contract and Purchase/12/25-26/ET/12
[LT PANEL WITH APFC]
DESIGN, SUPPLY, INSTALLATION & COMMISSIONING OF LT PANEL WITH APFC



Form F-12

DECLARATION ON TENDER DOCUMENT DOWNLOADED (on Bidder's letter head)

No.

Date:

Aavantika Gas Limited,
Indore (M.P.)

Sub: Bid Document no. AGL/Head Office/Contract and Purchase/12/25-26/ET/12 [LT PANEL WITH APFC] for Design, Supply, Installation and Commissioning of Power Distribution LT Panel with inbuilt APFC, Corrigendum & Reply to bidder's queries etc.

Sir,

We hereby confirm that we have read each page of the subject Tender document along with Corrigendum & Reply to bidder's queries thoroughly and understood the complete Scope of Work and other terms & conditions. We hereby also confirm that tender terms & conditions are acceptable to us and entire scope of work shall be executed as per Project Timeline at the Quoted Rates without any deviation.

Yours faithfully,

Signature
Name & Designation
For and on behalf of

SEAL & SIGNATURE OF BIDDER