

**Dayalbagh Educational Institute
(Deemed to be University),
Agra, Uttar Pradesh 282005**

Tender No. DEI/Engg./Elect./AKS/2021-22/TDR-3

Date: 12/06/2021

Single Tender Inquiry

Subject: Replacement Digester Balloon (Digester Roof Membrane)

The request has been received from **Prof. A. K. Saxena, Department of Electrical, Faculty of Engineering**, Dayalbagh Educational Institute to purchase the above item(s) from **M/s MSA Bio Energy Pvt. Ltd., Valsad, Gujarat** on proprietary basis. The Proposal Submitted by **M/s MSA Bio Energy Pvt. Ltd., Valsad, Gujarat** and quotation and departmental PAC certificate are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/ item within 15 Days from the date of issue of this notice giving reference no. **Tender No. DEI/Engg/Elect/AKS/2021-22/TDR-3 dated 12-06-2021**. The necessary documents may be submitted to us in support of your intent/comments/objections for our consideration. The intent/comments/objections should be received by office of Registrar, Dayalbagh Educational Institute, Dayalbagh, Agra (e-mail: registrar@dei.ac.in) on or before **28-06-2021** up to 04.00 pm failing which it will be presumed that no other vender has any comments to offer, and the case will be decided on the merit.

REGISTRAR

Encl: As above

To,
Mr Ajay Saxena,
Head, Electrical Engineering, Faculty of Eng,
Dayalbagh Educational Institute,
Dayalbagh, Agra – 282005

Date: 24 December 2020

Subject : An offer for replacement of membrane roof for anaerobic digester

Dear Sir,

This has a reference to our telephonic discussion regarding replacement of single membrane roof.
Our offer for replacement is as follows.

We are providing you the best fabric available in the market. The materials are suitable for the single membrane roof installation.

We hope, the offer is in line with your requirement.

Looking forward to your affirmative response soon.

Thanking you,

FOR MSA Bio-Energy Pvt. Ltd



Authorized Signatory

SPECIFICATIONS

Type : Single Membrane Biogas Holder for RCC tank

Dimensions : Tank Dia: 7 m; Height of the roof: 2m

Operating Pressure : 0.002Kg/cm² to 0.005kg/cm² (Adjustable)

Maximum Wind Load : 45m/s

Applied Temperature : -40°C to +70°C

Price

SR.	PRODUCT DISCRIPTION	RATE	QUANTITY	AMOUNT
1.	Replacement of single membrane roof on Digester tank 1050+/-50 GSM FR Fabric (refer specification sheet)	Rs. 1,79,000.00	1	Rs. 1,79,000.00 [Rupees One lac seventy nine thousand only]

Major activities

- Dismantling the existing membrane, Cleaning surface and angle, Replace rubber gaskets, Apply new sealant, Tightening the net and straps, Install new membrane, Testing the new membrane

Note: During installation, if any of the component, goods, fittings not mentioned in the scope of supply needs to be replaced, the same will be charged extra as per actual.

Commercial Terms

GSTIN	24AAICM4220B1Z4
HSN Code	84051090
Scope	MSABE Fixed Scope, shall be added at actual
Installation	Time required for complete installation, testing & commissioning of each balloon is Max. 14 days if all fronts are clear at site. Service charges of Rs. 7000 / man day will be payable by client if additional time require on account of site related issues
Price	GST 18% extra at actual.
Payment	30% advance & remaining against Pro-forma Invoice
Delivery	30 days from date of 30% advance
Warranty	As per OEM or One year, whichever is higher.
Cancellation	10% of order value
Packing	2%
Freight	Freight, forwarding & insurance extra at actual, as/if applicable
Validity	30 Days from offer

Our offer expressly excludes the items mentioned in the Exclusion list which is enclosed.

Exclusions / client's scope

- Civil Works of any kind not mentioned in scope of work
- Central pole to support the roof (Client to prepare top surface of RCC Wall and central pole as per our instructions)
- A small team of semi-skilled workers during installation
- Unloading material at site.
- Inlet and outlet gas pipe line work to and from the membrane roof
- Transportation, Hydra/Crane for Erection, Loading & Unloading
- Equipment Handling equipment such as Fork Lifts, Pallet Carts, Trollies
- All Environment Control Equipment other than those included in offer
- All tools & tackles used for erection, commissioning at site
- Air and Water piping, valves & intermediate storage tanks
- Compressor and drier for compress air.
- All energies viz Electric, Dry Compressed Air & Water etc. near the plant.
- Earthing suitable for Electronics Equipment.
- Shed, Shed Lighting.
- Lodging, Boarding, Travelling and Local transport for MSABE People.

General Terms and Conditions of Sale

Scope

Our offer is for design and supply of the equipment as per the offered specification in the quotation and is subject to the following terms and conditions. MSABE would also submit the drawing for civil work.

Our offer expressly excludes the items mentioned in the Exclusion list which is enclosed.

Prices:

The price is ex-works Turnkey basis. MSABE shall charge extra @ 2% towards the marginal packing. The critical equipment/components will be crate packed, and the other equipment will be sent in roadworthy packing. If full packing is required, then the same can be done at extra charges @ 3% of the basic value.

The prices indicated do not include sales tax / general tax, octroi/excise duty and any other Local/municipal/state/central government levies. These will be on customer's account.

Any statutory variation in government levies or additional imposition of government levies shall be to your account. Necessary documents (if any needed) for transportation should be issued positively before commissioning of the equipment.

Transit insurance shall be arranged by customer. MSABE to give despatch details by E-mail / Fax, to enable customer to arrange for Transit Insurance.

Payment Terms:

30% down Payment.

60% ready for shipping (ex-work), with 100% taxes and duties

10% end of installation

Should the despatch be delayed after being offered for inspection, for reasons not attributable to MSABE, such as delayed payment etc., interest is liable to be charged on the overdue payment @ 2% per month, for the delayed period.

Bank Charges:

Customer bank charges to customer account, MSABE bank charges to MSABE account.

Delivery Schedule:

Complete dispatch 2 months, from the date of technically and commercially clear order and receipt of advance at MSABE end.

The delivery period specified is on Ex-works Turnkey basis and the time required for the transportation to site is extra, which needs to be considered by customer.

The exact date of delivery will be confirmed at the time of Order Acceptance, subject to receipt of advance, clarifications, if any and other commitments.

Mode of Despatch:

The consignment will be despatched in packed/unpacked condition as required by Road/Sea/Air Freight. The costs for the freight shall be extra as applicable.

Despatch Documents:

MSABE shall furnish the original & transporters copy of invoice, delivery challan, L/R & BL copies and packing list against the despatch, as applicable.

Spare Parts:

MSABE will send a list of recommended spare and wear parts, along with operating & maintenance instruction manual.

Painting:

All the stand alone equipment (except the structures) will be supplied with finish coat as per requirement. Experience however shows that a final coat or touch-up of the painting is required after the completion of installation & commissioning. This has to be carried out by the Buyer at his cost.

Erection & Commissioning:

MSABE scope does include supervision of erection & commissioning. However, customer to organize handling facilities, labour, tools, tackles, consumables etc., required for erection, commissioning & running of the plant.

Also, during visit of MSABE Service Engineers for supervision of erection & commissioning, they need to be provided with food & beverages by customer, free-of-charge. If customer has canteen facility, it will be used by our Engineer & suitable instructions to be given to appropriate personnel at customers end. If the customer does not have canteen facility, the food & beverages to be organized along with customer's Employees, by the customer & applicable charges to be collected from the Engineer.

Guarantee:

We undertake to replace / repair at our sole discretion any defective parts that need replacement or repair by reasons of defective workmanship / material brought to our notice within 12 (twelve) months from the date of successful commissioning or 15 (fifteen) months from the date of despatch, whichever is earlier, provided that if so required by us, the parts are sent to our works, at your expense. Should there be any delay in delivery / despatch due to the Buyer, then the guarantee period shall commence from the date of intimation of readiness of the equipment for inspection / despatch.

The guarantee is valid only if the equipment is operated and maintained in line with the operating & maintenance manual and usage of original spare parts as listed in our manual. In case the spares are procured by the buyer from other sources, then the guarantee automatically stands null and void.

This guarantee is not valid for fast wearing items like rubber seals, gaskets, trade bought-out items like motors, gear boxes, bearings, valves, electrical components, magnets, cylinders, liners etc., which may form a part of our supply.

Under no circumstances do the sellers undertake any liability for indirect or consequential loss or damage of any nature. This guarantee is given in lieu of and excludes any conditions of the warranty, whether statutory or otherwise not herein expressly set out.

The contract stand null & void, if the equipment is not commissioned within the warranty period, for the reasons not attributable to MSABE.

The liability of supervision of commissioning from MSABE is treated as completed from 6 months from the date of dispatch from MSABE works.

Force Majeure:

Should either party be prevented from executing the contract due to the case of force majeure such as war, serious fire, flood, typhoon, earthquake, strike at plant/sub-suppliers place and other cases which will be recognized by both parties upon agreement as being cases of force majeure, the time for implementing the contract (incl. Time schedules & B/G's) shall be extended by a period equivalent to the effect of the occurrences.

The prevented party shall notify the other party immediately after the occurrence of the force majeure by telefax and confirm within fourteen (14) days thereafter to the other party by registered mail the circumstances accompanied by a certificate issued by the competent authority. Should the effect of the force majeure mentioned above last for more than one hundred and twenty (120) days, the parties shall settle the problem of further execution of the contract by amicable consultation and enter into an agreement about the further procedures as soon as possible.

Inspection of Equipment/Items:

MSABE will give 15 days' advance intimation for inspection of the equipment once they are ready. Customer should depute their authorised representative for inspecting the goods. If inspection is not carried out within 15 days' notice period, then it is treated that the goods are cleared without inspection and we shall give our inspection certificate.

Pre-despatch inspection of the equipment at our plant can be carried out only by customer employees and no external agencies are permitted to inspect these equipment.

Operation & Maintenance Instruction Manual:

Two (2) sets of manuals will be supplied immediately after despatch of the equipment.

Training:

MSABE staff will train customer staff on site during supervision of erection & commissioning period.

Disputes & Jurisdiction:

The dispute or differences arising out of or in relation to these transactions shall be amicably settled by referring to arbitration under Indian Arbitration Act 1940 and amendment thereof. Such arbitration shall take place at Valsad, Gujarat.

IP Rights

All designs, drawings or other written information provided by MSABE to Buyer in connection with this Proposal are received in confidence and remain the property of MSABE. Buyer shall not use or disclose any information relating to designs, drawings or other written information without the prior written consent of MSABE.

MSABE does not convey or grant to Buyer by virtue of this Proposal any reproduction rights to the design, drawings or specifications.

Validity:

Our offer is valid for a period of thirty (30) days from the date of offer, after which it is subject to our confirmation in writing.

Utilities:

The equipment offered vide this quotation is suitable for following specifications of utilities.

Input Voltage: 415 Volts, 3 Phase, 50 Hz. Variation permissible: Voltage + 6%, Frequency + 3%

Any deviation from the above will reflect on the rated performance of the equipment, according to the parameters concerned. Purchaser will arrange at his cost the necessary modifications at his site, to ensure specified supply of utilities.

Order Cancellation:

Cancellation of orders placed by the Purchaser will not be acceptable under normal circumstances.

However, if the situation arises then the following cancellation charges will apply as per standard rules of contract.

General Condition:

The purchase order based on this quotation is subject to the Order Confirmation issued by MSABE.

FOR MSA Bio-Energy Pvt. Ltd



Authorized Signatory

BIOGAS BALLOON SPECIFICATIONS

DESCRIPTION	TEST METHOD /REF STD.	SPECIFIED	VALUE
Quality Code			Both Side PVC coated Polyester fabric {1050GSM}
Base fabric			Polyester
Type of coating			Both side PVC
Finish			Matt (lacquer finished)
Colour			LT. Grey-2
Width (cms)	IS: 7016 Part I		137 min.
Thickness (mm)	IS: 7016 Part I		0.80+/- 0.05
Total weight (gsm)	IS: 7016 Part I		1050 +/-50
Breaking strength (kgf)			
Warp	IS: 7016 Part II		550 (kgf/5cm)
Weft	IS: 7016 Part II		550 (kgf/5cm)
Tearing strength			
Wrap	Tongue tear (5cm)		120 kgf
Weft	Tongue tear (5cm)		120 kgf
Adhesion			
Warp	IS: 7016 Part I		15 kgf/5cm
Weft	IS: 7016 Part I		15 kgf/5cm
Temperature range			0to 60 deg C
Folding resistance			4,00,000 max (Cycles)
Flame resistance	IS : 15061		<100mm/min
Horizontal burning rate			
Methane Gas permeability	ISO 15105		Max 300 (Ncm ³ .m ² .day ¹ bar ¹)

Date 28.12.2020

To

The Dayalbagh Educational Institute

Dayalbagh, Agra

Sub: Replacement of Damaged Digester Balloon

Ref: 150 Cum Bio Gas Plant at DEI

Kind Attn: Prof. Ajay Kumar Saxena

Dear Sir

In reference to you email dated: 14.12.2020, for the replacement of the damaged digester balloon (**Membrane Roof**), which may have been damaged due to some animal, we would like to confirm that the digester and its other accessories are specifically designed by us for your 150 Cum Gobar Gas Plant. The Digester Balloon is not a readymade item available in the open market. No other supplier/manufacturer will be able to supply and install the same at your place due to various design considerations.

We are in a position to supply and install the same at your premises within four weeks' time after receiving the confirmed order.

Thanking you,

FOR MSA Bio-Energy Pvt. Ltd



Authorized Signatory

