

Bid invitation

Information

Description: GRIT BLASTING AND PAINTING OF DETC SHELL
 Bid invitation number: 6300028941
 Version: 1

Bid invitation rules

Bid invitation currency: INR
 Timezone: UTC+53
 Submission period: 05.09.2019 14:00:00
 Opening date: 05.09.2019 14:00:00
 Created On: 08.08.2019 03:44:00

Bid invitation text:

1. The validity of the offer should be minimum 90 days from the date of tender closing.
2. Please let us have your lowest non negotiable quotation on F.O.R Destination basis, for services before closing date and time indicated as above on BEML SRM Platform.
3. 100% payment on 60th day after work completion certified by user and quality department and 30 days for MSME vendors.

Attachments:

Commercial terms and conditions

Digital Signature

Bid invitation details

Item	Product Price Condition	Description	Vendor product number	Delivery date/ performance period	Quantity
1		GRIT BLASTING AND PAINTING OF DETC SHELL			3 NO

Item long text:

ACTIVITY: GRIT BLASTING AND PAINTING OF DETC SHELL, QUANTITY: 03 NOS
 PLACE OF WORK: BEML RC-II UNIT, K.G.F

DELIVERY SCHEDULE:

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> Initially underframe would be offered for grit blasting and primer painting for first stage clearance. For completion and clearance of under frame grit blasting and primer painting is 1 day.

> Shell grit blasting and painting as indicated in scope to be completed within 7 days after allocation of the Shell by the production dept including rework observed by our inspection and subsequent clearance of shell.

SCOPE OF WORK:-

Underframe:-

Grit blasting and a coat of PU primer painting to be done within 4 hrs of grit blasting. Approx. Area of grit blasting & a coat of PU primer painting per DETC underframe # 116.10 Sq.Mtrs.

Shell:-

Grit blasting the bare shell i.e. Roof, side walls and end walls (less window cut outs, cab doors and doors) followed by PU primer painting within 4 hrs after grit blasting. Approx. Area of grit blasting & a coat of PU primer painting per DETC shell# 198.8 Sq.Mtrs.

1) Pickling & Passivation:- Spray and rinse the blackened surface of stainless-steel weld area with water and wipe out the water along with dust, dirt with pressurized air. Apply the cleaning solution by using brush on flame heated and welded area on S.S. Material after leaving gap of one hour, rub the acid cleaned portion, using scotch brite brush to remove the blackened surfaces then rinse the solution applied areas with water and then dry with hot blow air (no black spots visible on SS Area). Other than S.S area weld slags and black marks to be removed for details ref. Skno4317.

2) Coach inside primer application:- Clean inside the coach so that area is free from dust. Mask all stainless-steel components and apply two coats of roz primer to side roof, side wall, end wall and all partitions.

3) Bituminous application:- Cover or mask the exposed portions inside, like, stainless Steel components, partition posts, seat frames, window bars and floor to avoid bituminous spray. Then spray first coat of bituminous emulsion without mica to inside shell and allow to dry. Apply 2nd coat of bituminous emulsion without mica content and allow to dry. Apply 3rd coat bituminous emulsion paint with mica content inside of side wall/end wall .

4) Cleaning of bituminous emulsion:- Clean bituminous emulsion sprayed on exposed portion inside shell i.e. side wall and end wall partitions, junction box cover, light base, fan mounting brackets etc. with water.

5) Putty mixing:- Knifing putty will be mixed with hardener or catalyst the material shall be of such a composition as to satisfy the requirement of this standard. Note: the mixing ratio shall be according to the recommendation of the supplier.

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6)		Putty application:- Apply 1st coat of unsaturated polyester putty to outside of the Shell as per RDSO specification by knife with DFT of required microns (250-300) surface. Dry time - 2 hrs., hard dry max - 8 hrs., hard dry at 70 deg - 2 hrs with 30 min flash off			
8)		Second coat putty:- Apply second coat of unsaturated polyester putty to outside of the shell as per RDSO specification by knife to DFT of 250 to 300 microns drying time as above mentioned.			
9)		Putty cutting:- Wet rub down putty with silicon carbide -220 emery paper and apply putty where ever required (on welded joints and dents) and wet rub down of polyester putty and clean with cloth.			
10)		Paint mixing:- Paints required for the first coat of final finish coat will be mixed with hardener/ thinner with supplier's proportion depending upon volume with high speed stirrer for 5 min max maintaining the temperature not more than 5 deg (from normal temperature) centigrade after mixing of two components an induction time of 10 to 15 Min. Shall be allowed before use. Paint colours: Verdigris green & lemon yellow.			
11)		Application of PU surfacer:- Apply PU surfacer to RDSO specn with air less spray with DFT of 60 microns and allow to dry. Wet rub down of surfacer with silicon carbide 220 emery paper and clean the surface with soft cloth including roof and spray one finish coat paint and aluminium paint on the roof as per the colour scheme of dwg 943-28101 (exterior)			
12)		Shell painting:- After PU surfacer and flattening of putty, spray one coat of finish coat on either side of the shell with DFT of 35 microns/coat and allow to dry. Mask the window area on either side of the shell with masking paper paint one finish coats paint on side wall and end walls by airless spray and allow to dry. Paint colours: Verdigris Green.			

BEML SCOPE:-

1. Grits, Grit blasting machine, blasting area, Electric power, Compressed air & Lighting for operation of the same will be provided by BEML.
2. Consumables like Cotton waste, Emery Paper, masking tape & Rust Removing Agent required to carry out the above activity will be provided by BEML.
3. Required quantity of paints & thinner will be provided by BEML.
4. The necessary movements of items to facilitate above activities will be assisted by BEML.

VENDOR SCOPE:-

1. Accessories like coveralls and safety kits etc. are to be arranged by the Vendor.
2. All hand tools, spray nozzle, paint brush, Rubber Hose will have to be arranged by the Vendor.
3. Vendor has to make own arrangements and ensure workers are wearing necessary PPE's i.e. Nose mask,

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Rubber Gloves, and shoes etc.

4. Vendor has to ensure optimum utilization of material provided by BEML. Additional Quantity of Paint will not be provided by BEML.
5. Vendor has to fill the grit and operate the grit blasting system.
6. Collection of grit and fill back the same in to the system after grit blasting is the responsibility of vendor.
7. Keeping the place clean & orderly is also responsibility of vendor.
8. Work has to be carried out inside BEML Ltd, Rail coach unit II factory premises.
9. The completed work / stage has to be offered to BEML QC/Third party agency for clearance. Any snags indicated from QC/third party agency should be taken up immediately.
10. Vendor has to fulfill other statutory /ISO requirements as per procedure of the company.

TERMS AND CONDITIONS:

1. Price to be firm during Pendency of the contract.
2. Workman ship of the sub contractor shall be of good quality as DETC Coaches are subjected to inspection by external inspecting agency such as RITES/BEML Quality department.
3. Sub contractor shall ensure proper monitoring of the activities and recording of parameter as per the drawing requirements.
4. Sub contractor has to closely liaise with BEML quality engineering department during various tests and get their clearance at the respective stages. Any Snags raised by BEML quality have to be attended on priority at no extra cost.
5. Adequate care has to be taken by sub contractor while carrying out work as detailed in the scope of work and should there be any damage to the parts, same will have to be reworked / replaced by the sub- contractor at free of cost.
6. Sub contractor shall ensure good housekeeping in the working area and take adequate safety precautions to avoid accidents. Personnel protective equipment like safety helmet, safety shoes, gloves, nose mask, ear plug, splash goggle and body aprons are mandatory during workman on job.
7. Sub contractor shall deploy a responsible person at BEML, Rail coach unit II during the execution of the work with whom BEML personal can interact to monitor the progress of the work.
8. Sub contractor shall ensure that his employee will be covered under ESI, PF & Insurance. The sub contractor is responsible for the safety of his employee and the work to be executed with all safety measures. If any major or minor accident occurs during execution of work, vendor is liable for it and BEML will not take any responsibility against such eventualities.
9. The courts of the Karnataka state only shall have jurisdiction to deal with and decide any legal matter or dispute whatsoever arising out of this contract.
10. At the time of inspection, rework if any to be attended immediately for clearing the coach. Work to be carried on need basis & also work to be carried in second shift & holidays.
11. LD and risk purchase clause applicable as per BEML standard terms.

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12. Work to be carried out inside BEML, Rail coach unit II, KGF / Bangalore complex (If required on need basis).					
13. BEML reserves the right to increase or decrease the ordered quantity based on the production plan.					
14. TDS applicable on GST as per GST rule.					
	Basic Price		INR		
	CGST - Central GST		%		
	SGST - State GST		%		
	UTGST		%		
	IGST - Integrated GST		%		