

Bid invitation

Information

Description:INSTALLATION OF HYDRAULIC PIPING

Bid invitation number:6300036822

Version: 1

Bid invitation rules

Bid invitation currency: INR

Timezone: INDIA

Submission period: 27.12.2021 16:00:00

Opening date: 27.12.2021 16:00:00

Created On: 29.11.2021 06:24:40

Bid invitation text:

GENERAL TERMS & CONDITIONS:

- 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 INSTALLATION OF HYDRAULIC PIPING AND CONNECTIONS FOR GRIND CAR (GC) & FRONT CONTROL CAR(FCC) of the following services as above on BEML SRM Platform only.
 - i) INSTALLATION OF HYDRAULIC PIPING AND CONNECTIONS FOR GRIND CAR (GC) & FRONT CONTROL CAR(FCC) - 40 AU
- 3) Vendor to quote for labour charges only.
- 4) 100% payment on 60th day after receipt, Inspection and acceptance at our end 45 days for MSME vendors). In case of proforma invoice / 100 % payment against delivery, Bank guarantee / security deposit has to be submitted.
- 5) Firm should indicate GST registration details, HSN and SAC codes along with bid.
- 6) The firm should have adequate experience in INSTALLATION OF HYDRAULIC PIPING AND CONNECTIONS OR should have executed similar contracts and same may be uploaded for technical scrutiny.
- 7) Necessary tools required for installations are in vendor scope. BEML will supply only compressed air, light, water only.

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8) The firm can visit our factory to know about the nature of work and facilities available before quoting.

Attachments:

TERMS AND CONDITIONS

SCOPE OF WORK

ES11

ES12

50321201 1 OF 2

50321201 2 OF 2

50329201

50329301

50357101

50362002

50362003

50362004

50329401

50362201

50362006

50362007

50362101

50362005

Digital Signature

Bid invitation details

Item	Product Price Condition	Description	Vendor product number	Delivery date/ performance period	Quantity
1		INSTALLATION OF HYDRAULIC PIPING			40 AU

Item long text:

SCOPE FOR INSTALLATION OF HYDRAULIC PIPING AND CONNECTIONS FOR GRIND CAR (GC) & FRONT CONTROL CAR(FCC)

Project: RAIL GRINDING MACHINE

1 Rake consists of 1 Front control car and 4 Grind Car

1.#Grind car-40 cars

Brief scope of work

Complete interconnections of various equipment's in grind car enabling functioning of grind car. Process

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involves installing hoses, flanges, connectors, gaskets, ensuring leak proof joints, interconnections between different units like cooler group, hydraulic group, fuel tank group, engine group, Grind buggy sub-assemblies, installations and interconnections, dust collector and equalization groups etc.

The hydraulic schematic connections shall confirm as per drg 250601.

1.#50362101 – COOLER GROUP

Locate and assemble the cooler oil assly, manifolds, connect all the hoses and apply sealant wherever necessary as per drg. Connect all the flanges and secure with necessary hardware's. Fill the coolant using filter unit as per loram standards.

2.#50362201 -HYDRAULIC POWER GROUP Connect all the hoses using the flanges and hardware's as per drg dimension, check for any leakages during testing/after hydraulic filling, ensure leak proof joints. Fill the coolant using filter unit as per loram standards.

3.#50321201 – ENGINE GENERATOR GROUP

Lay and connect all the pump drive piping group as per drg, connect all the adapters, elbows and exhaust group, as per drg, apply the grease, check and connect all the fuel pipe line to the engines and ensure all leak proof joints. Check for any misalignment and inform shop supervisor for correctness.

4.#50329201- FUEL TANK GROUP

Check and connect all the piping connection to the fuel tank and install the piping and connectors.

5.#50357101 -Grind Buggy

Check the items as per km list, locate position and assemble -3- tow bar assy and secure with pins -18,-22.(please note -5 mentioned in the drg after complete installation of grind buggy, install - 4 hook assly and secure with pin hardware's -17,-22-25. Install-5 beam weld and secure with hardware's -27-33-38., install-21 eye swivel and secure with hardwares-29-33-38.

Install -7 bracket eye assly's and secure with hardware's -28-34-36. Install -8 ,-9 on to grind buggy -1 as per drg. Install -10 onto strip welded grind buggy and secure them with harddwares -13-26.

Make sub assly of cylinder hyd-14-15 & -16 ,20-23-24-39 and install on to buggy and secure with -31.

Apply anti seize -40 to all pin bores, apply Loctite -41 to m10 & m12 bolts as per torque standards.

After connecting all the hoses, check for functioning of each cylinder by lift, tilt as per schematic drg250601.

6.#HYDRAULIC PIPING GROUP – 50362006,50362007

The installation of piping group shall confirm to drg 50362006.locate position and assemble the hoses, oring,

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valve, adapters, flanges and install the clamps and secure hoses using hardware's. Cutting of pipes, flaring, swaging , bending and connecting with flanges if any shall be done to suit the installations.

7.#50329301- DUST COLLECTOR.

Locate and assemble hoses, nipples, ball valves, pipe bushes and connect as per drg dimensions. sec AA, DD,EE.

8.#50329401- EQUALISATION ROUTING

Check the items as per km list location, position and assemble the bracket mounting -1-2-3 and secure them to engine using hardware's -12-16-19,-15-18 as per detail b & c.

Locate position and assemble the hose -7(to be assembled with -20 wrap hose) with adaptor -8-9-10-11 with ball valve -4 and secure them with hardware's -5-14-17 as per det c and det d

Install the clamp-6 and secure the hose with the hardware -13-16-19 as per det c. Apply Loctite to all bolted connections.

The BEML schedule of hydraulic items for bogie, buggy and hydraulic routings are as below:-

50362002#Schedule of hose assly's, fittings, o rings#1

50362003#Schedule of fittings for bogie, buggy, hyd routing#1

50362004#Schedule of ss pipes for hydraulic piping of bogie and buggy#1

50362005#Schedule of fittings for hyd routing#1

Note :-

1.#The vendor shall carryout the above activities in coordination with shop supervisor.

2.#Necessary tools required for installation of above installations are in vendor scope. BEML will supply only compressed air, light, water only.

3.#The vendor shall make proper documentation as required by LORAM standards.

4.#The inspection of each stage needs to be offered to BEML QC /LORAM team.

5.#Any additional rework/snags identified needs to be carried out @ free of cost.

6.#The major installation of equipment's on Board/Under gear will be done by BEML personnel. The vendor is requested to make all connections, sub assemblies.

7.#The above works shall confirm to LORAM standards ES-11, ES-12 AND MF3026 FOR Faster torques, Fluid component cleanness and Hydraulic cleanness respectively

8.#All the hand tools, Oil filter unit, required for the above installations are in vendor scope. BEML will provide water, electricity, and compressed air only.

9.#The vendor shall be accountable for the materials drawn for production and shall intimate the production

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supervisor the consumption of consumables/items etc..

10.#The inspection gauges if any required for testing purposes is also in vendor scope.

11.#Any reworks/modification required needs to be carried out at free of cost.

12.#The vendor shall provide the complete address/details/identity of the personnel's working @ RC-II and shall be responsible for the identity.

13.#The vendors are requested to attend the duties on holiday/Sundays whenever required to meet the production exigencies.

14.#The vendors is also requested to assist during testing stage inspections and attend the works at free of cost.

15.#The vendor will also be responsible for the works carried out by him till despatch of the complete unit rake from the premises after final inspection.

16.#The vendor shall depute the supervisor during execution of work for coordinating with shop supervisors.

17.#The vendors shall be responsible for using PPE equipments, safety of the working personnels @ RC-II,KGF.

18.#The vendors may be required to produce the ESI, PF, insurance of the working personnel's deputed by them.

19.#Vendor should have enough skilled work forces to complete the work within stipulated time. Sub contractor shall ensure that hisemployee 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.

20.#BEML reserves the right to increase or decrease the ordered quantity based on the production plan.

Basic Price	INR	_____
IGST -Integrated GST	%	_____
CGST - Central GST	%	_____
SGST - State GST	%	_____