

SPECIFICATION 6

Manufacturer standard double boiler type mixing machine that is designed to heat and melt TECHCRETE-R and TECHCRETE-TBR patching material. Designed to be towed at 65 mph maximum for on-road/off-road use.
Units shall be ordered utilizing the following equipment code

018750- PATCHING MACHINE, TRAILER MOUNTED, CRAFCO PATCHER II

Note: "Refer to PCID 1075 for Delivery, and Warranty Requirements". Warranty Requirements". Warranty shall be per Section E.1.A.

The following additional items shall be supplied.

Accepted

1. PAINT:

Bidder must indicate the Standard Factory Paint Color for the unit on the Bid Item Sheet.
Bidder must provide Unit Pricing for the Unit with the Standard Factory Paint Color on the Bid Item Sheet.
Bidder must also provide Unit Pricing for the Unit with one of the following paint option(s)
Factory: Having unit bid painted PennDOT yellow. Reference DUPONT F9885 shade only. Unit shall be painted PennDOT yellow in lieu of the OEM's original color. Using the same process as with OEM paint.
Aftermarket: Having unit bid painted PennDOT yellow. Reference DUPONT F9885 shade only. All surfaces shall be properly cleaned and prepared prior to paint. Paint shall be the same quality as factory paint. To include all areas of the machine including interior.

Comments

2. FLOCS system per EQN-351A

Comments

3. Hour meter –shall record only when the engine is running.

Comments

4. Vandalism package: All fill caps such as for fuel, engine oil, hydraulic oil, radiator etc. shall be lockable or located inside lockable housing cabinet (s). With padlock (s) and key (all locks keyed alike).

Comments

5. Fire extinguisher, 20 LB. 10A:40B:C rechargeable with vehicle mount and weatherproof cover.

Comments

6. Electrical lighting: Lighting shall be per Federal and State regulations for stop, turn and tail lights. All lights shall be LED. Seven wire trailer cord and connector set to extend to front of hitch inside protective conduit as per ATA wiring sequence. Cable shall extend 8ft beyond pintle eye. REF:EQN80-B. There shall be a Cole Hersee Part # 11750 or equal store-a-way trailer connector plug holder located in the tongue area. REF:EQN-84

Comments

7. TRAILER: Ref: EQN-84 and EQN-80B. Unit shall have wheels properly sized within all requirements and ranges to meet the specification. Wheels shall be a hub piloted, one piece design.

Note: UTG / Donut type wheels (type used in the mobile home industry) are not acceptable.

Comments

8. Surge brake: System per EQN-84 drawing, including break-away safety mechanism, *Note - Trailers that are to be equipped with surge brakes shall rely on a mechanical braking system, the use of electrical connections such as solenoids or dump valves will not be accepted. The axle brake shoes must be "FREE BACKING" type.

Comments

9. Hitch height & Safety Chains: Adjustable trailer tongue to accommodate variable truck hitch height levels along with 2 rust proof safety chains that must be at least 4ft long and must extend 3 feet beyond pintle eye. REF:EQN-84

Comments

10. Grab Handles and Stepping areas: All grab handles and stepping areas shall have anti-slip paint. **Non-skid tape is not acceptable.**

Comments

11. Wheel Chocks: 1 Pair of wheel chocks and holder REF:EQN82A

Comments

12. Safety: All moving parts (e.g. belts, gears, etc.) and hot parts shall be provided with protective guards. Exhaust pipe with muffler shall not be a safety hazard and shall not interfere with operation of the engine. There shall be "HOT" markings on both sides of the Tank (marking imprinted "HOT" and 3257) requirements of 49CFR. Manufacturer shall install all safety decals, warning labels, guards and devices available as standard equipment on all equipment offered.	
Comments	
13. Shield: Engine shall be protected from inclement weather. Cover shall be removable to allow engine access. Top shall be solid metal and sides shall be perforated as necessary to allow for proper cooling. Noise Level: Not more than 84dBA measured at 4 foot distance from the center of rear bumper and in a horizontal plane.	
Comments	
14. Material Tank: Minimum 200GAL material tank with a rear discharge with a minimum opening of 42 square inches which will material to drop onto a spout. The material shall be mixed by a hydraulically driven, full sweep, staggered horizontal mixer which the mixer must rotate in both direction.	
Comments	
15. Material Chute: There shall be a removable material chute with a minimum 37inches in length by 8 inches wide by 4 inches in depth to help aid in placement of the material from machine to the road repair.	
Comments	
16. Propane Torch and Bottle: There shall be a 30lb propane bottle and regulator with a 500,000 BTU hand torch with a 20 foot hose. There must be provisions made on the machine to hold the bottle and torch safely.	
Comments	
17. Heating Tank: The jacket shall wrap around 100% of the outside area of the material tank including the sides, front, back and bottom and allow for complete circulation of the heated heat transfer oil. A full 200GAL tank of material shall heated and ready to pour in 2 hours.	
Comments	
18 Temperature Controls: Controls shall be in a lockable weather proof cabinet. The thermostat shall control burner ignition from the material temperature range from 200 degrees F to 450 degrees F. The heat transfer oil is heated by a 370,000 BTU diesel burner at the bottom of the heat transfer oil tank.	
Comments	
19. MANUALS: Operators, Maintenance and Repair Manuals shall be supplied. There shall be an all weather holder attached to the unit to hold the manuals. A CD can be supplied in lieu of paper maintenance manuals.	
Comments	
20. TRAINING: There shall be 7Hrs. Start up and & Familiarization training for operators and mechanics. This shall be completed at the final county location.	
Comments	
21. Warranty: The warranty start up date shall be defined as the date of transfer from the PENNDOT Fleet Management Division to the designated county location. This will be considered the date of delivery to the county and NOT the date of delivery by the successful bidder to the department. The PennDOT Fleet Management will supply the actual start-up date, equipment number and serial number of the machine, via email, to the successful bidder. It is the responsibility of the successful bidder to ensure that the equipment manufacturer recognizes and applies the Department's actual warranty start-up date in their database.	
Comments	
ONLY UNITS THAT HAVE BEEN EVALUATED AND PRE-APPROVED PRIOR TO BID ENDING DATE WILL BE CONSIDERED IN THIS BID. FOR FUTURE PRE- APPROVAL PLEASE CONTACT THE PENNDOT FLEET MANAGEMENT DIVISION SPECIFICATION UNIT AT 717-787-1567	
	2/6/2018 JAH