



REQUEST FOR BID

BID NO. 020-0408-21A

Dual Tanks, Diesel Fired
Thermoplastic Pre-Melter and Trailer

BID DUE DATE: April 8th, 2021 at 2:00 pm

I. GENERAL CONDITIONS

- 1. General Information** - The Public Works Department of the City of Antioch, California, will receive bid responses at its office located at [1201 W. 4th Street, Antioch, CA 94509](#) on April 8, 2021 at 2:00pm.

Questions relating to specifications or technical questions must be submitted via email to randelin@antiochca.gov. Bidders are **NOT** to pursue City staff by telephone or in person.

- 2. Form of Bid** - The bid shall be made on the attached bidder's proposal form. If the form is deemed inadequate, additional information may be submitted with the proposal, via an attachment of catalogs, drawings, photographs, or a letter. Letters repeating prices and details from the City's specifications must be omitted.
- 3. Interpretation of Bids** - Should a bidder find discrepancies in, or omissions from the specifications, or should bidder be in doubt as to their true meaning, bidder shall submit a formal request to the Public Works Department for an interpretation thereof **prior** to the bid opening to the attention of Christine Raposo at randelin@antiochca.gov. The person submitting the request shall be responsible for its prompt delivery. Any interpretation of, or change in the proposed documents will be made only by an addendum published on the City's website, and shall become part of any contract awarded. The City will not be responsible for any other explanation or interpretations.
- 4. Addenda** - Any addenda issued by the City during the time of bidding shall be covered in the bid and shall be made a part of the contract. It is the bidder responsibility to check the City of Antioch website, for any addenda that may have been issued prior to the bid/proposal due date.
<http://www.antiochca.gov/rfps/>
- 5. Bid Opening** - Bids shall be delivered to the Public Works Department of the City of Antioch located at [1201 W. 4th St. Antioch, 94509](#) on or before the day and hour set for the opening of bids. A bidder may withdraw his bid, either personally or by written request, at any time prior to the scheduled time for opening of bids.
- 6. Late Bids** - Any bids received after the scheduled time of opening will be clocked in but will not be opened or considered.
- 7. No Bid** - If a bid is not made, the bid form must be returned and the reason for not bidding stated; otherwise the vendor's name will be removed from the bidders list. If a bid is submitted without an amount, it will not be considered.
- 8. Award or Rejection** - The bid will be awarded to the lowest responsive and responsible bidder.

The City reserves the right to reject any or all bids, to accept or reject any one or more items of a bid, or to waive any minor irregularities or informalities in the bid. It is anticipated that all items will be purchased, however the City reserves the right to change quantities prior to the award. Estimated quantities are no guarantee of a certain quantity to be ordered by City.

- 9. Terms and Conditions** - The bidder shall not change the wording on the specifications or conditions. No words or comments shall be added to the general conditions or detailed specifications. Any explanation or alternative offered shall be set forth in a letter attached to the front cover of the specifications. Alternatives

which do not substantially comply with the City's specifications cannot be considered. Conditional bids cannot be accepted.

- 10. Brand Names-** The make or brand and grade of the article on which the bid is submitted should be stated on the bid form.
- 11. Payment Terms** - Must be indicated by filling in the proper blanks on the bid form. Cash discounts of less than 20 days will be considered net. The standard terms at the City of Antioch are Net 30 days.
- 12. FOB Point** - It is understood that the bidder agrees to deliver FOB (Free on Board) Destination, with no freight charges to the City. All costs for packing, delivery, drayage, postage, freight, express, or for any other purpose are to be borne by the bidder.
- 13. Approved Equal – Brand names and numbers, when used, are for reference to indicate the character or quality desired.** The use of the name of a manufacturer, or any special brand or make, in describing any item in the bid documents does not restrict bidders to that manufacturer or specific article. Unless otherwise noted, an equal of the named product will be given due consideration if literature is submitted with the bid showing that the product is of equal or better quality and utility to that specified by the City. Determination of acceptability of any product shall be solely at the City's discretion.
- 14. Tax** - No bid shall include federal excise tax, inasmuch as the City is exempt per published IRS regulations concerning state/local governments. The City is obligated to pay applicable state sales or use taxes.
- 15. Samples** - When requested, bidders shall submit properly marked samples of the article(s) on which bid is made to the City. Any sample submitted must be clearly marked in such a manner that the marking is fixed, so that the identification of the sample is assured. Such marking shall state (1) name of bidder, (2) number of bid, and (3) item number. Samples, when required, must be furnished free of expense to the City, and if not destroyed by tests, will upon request be returned at bidder's expense unless retained by City for future comparison.
- 16. Inspection** - All items furnished shall be subject to the inspection of the City, and unsuitable items may be rejected. Defective items shall be made good by the vendor in a manner satisfactory to the City.
- 17. Assignment** - No assignment by the contractor or any contract to be entered into hereunder or of any part thereof, except of funds to be received thereunder by the contractor, will be recognized by the City unless such assignment has had the prior written approval of the City.
- 18. Warranty** - Terms of any warranty offered by the manufacturer or the bidder shall be included with the bid. Contractor warrants all work done and goods provided under this Agreement shall at the minimum: a) meet all conditions of the Agreement; b) shall be free from all defects in design, material and workmanship; and 3) shall be fit for the purposes intended. If any defects occur within said 12 months following acceptance, Contractor shall be solely responsible for the correction of those defects.

19. Timely Delivery – If indicated in the bid form, bidder shall indicate time of delivery as the number of calendar days following receipt of the order by the contractor to receipt of the goods or services by the City. Time of delivery may be a consideration in the award.

Time is of the essence, and the purchase order is subject to termination for failure to deliver on time. The acceptance by buyer of later performance with or without objection or reservation shall not waive the right to claim damage for such breach nor constitute a waiver of the requirements for the timely performance of any obligation remaining to be performed by the vendor.

20. Liquidated Damages - If delivery does not occur on schedule it is understood that the City will suffer damage. It being impractical and infeasible to determine the amount of actual damage, it is agreed that the contractor shall pay to the City the sum of one hundred (\$100.00) dollars per day for each and every calendar days delay past the scheduled delivery date..

21. Termination for Default - The City may, by written notice of default to the vendor/contractor, terminate the contract in whole or in part should the vendor/contractor fail to make satisfactory progress, fail to deliver within time specified therein or fail to deliver in strict conformance to specifications and requirements set forth therein. In the event of such termination, the City reserves the right to purchase or obtain the supplies or services elsewhere, and the defaulting vendor/contractor shall be liable for the difference between the prices set forth in the terminated order and the actual cost thereof to the City. The prevailing market price shall be considered the fair repurchase price. If, after notice of termination of this contract under the provisions of this clause, it is determined for any reason that the Contractor was not in default under the provisions of this clause, the rights and obligations of the parties shall be the same as if the notice of termination had been issued pursuant to the Termination for Convenience clause. The rights and remedies of City provided in this article shall not be exclusive and are in addition to any other rights and remedies provided by law or under resulting order.

22. Termination for Convenience - The City may, by written notice stating the extent and effective date, terminate any resulting order for convenience in whole or in part, at any time. The City shall pay the vendor as full compensation for performance until such termination the unit or pro rate price for the delivered and accepted portion, and a reasonable amount, as costs of termination, not otherwise recoverable from other sources by the contractor as approved by the City, with respect to the undelivered or unaccepted portion of the order, provided compensation hereunder shall in no event exceed the total price. In no event shall the City be liable for any loss of profits on the resulting order or portion thereof so terminated. The rights and remedies of City provided in this article shall not be exclusive and are in addition to any other rights and remedies provided by law or under resulting order.

23. Fiscal Year - Obligation for payment of any contract beyond the current fiscal year end is contingent upon the availability of funding from which payment can be made. No legal liability shall arise for payment beyond June 30 of the calendar year unless funds are made available for such performance.

24. Equal Opportunity - Contractor shall not discriminate, on the basis of a person's race, religion, color, national origin, age, physical or mental handicap or disability, medical condition, marital status, sex, or sexual orientation or any other prohibited basis under federal or state law, against any employee, applicant for employment, subcontractor, bidder for a subcontract, or participant in, recipient of, or applicant for any services or programs provided by Contractor under this Agreement. Contractor shall comply with all applicable federal, state, and local laws, policies, rules, and requirements related to equal opportunity and

nondiscrimination in employment, contracting, and the provision of any services that are the subject of this Agreement, including but not limited to the satisfaction of any positive obligations required of Contractor thereby.

Contractor shall include the provisions of this Subsection in any subcontract approved by the Contract Administrator or this Agreement.

- 25. Business License** – The City of Antioch requires that any contractor doing business within the city limits must hold a valid City of Antioch Business License prior to merchandise delivery (by vendor) or services provided.
- 26. Governing Law** - This contract shall be construed and interpreted according to the laws of the State of California with venue for any action under this Agreement in Contra Costa County, California.
- 27. Liabilities** -- Contractor shall indemnify, save and hold harmless from and defend the City, its officers, agents and employees, against any and all claims, costs, demands, causes of action, suits, losses, expense or liability arising from, or alleged to have arisen, from any acts or omissions of Contractor, its agents, sub-contractors, officials or employees, in connection with the execution of the work covered by this Agreement, as it may be amended, except for the sole negligence or willful misconduct of City. This indemnification includes any claim that the materials or equipment provided under this Agreement, or any tool, article or process used in manufacture of such tools or equipment, constitutes an infringement of any patent issued by the United States. This entire indemnification provision shall survive termination or cancellation of this Agreement.
- 28. Right to Audit** -- The City of Antioch reserves the right to verify, by examination of vendors' records, all invoiced amounts when firm prices are not set forth in the purchase agreement.
- 29. Assignment** -- In submitting a bid to a public purchasing body, the bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body all rights, title and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of part 2 of Division 7 of the Business and Professions Code), arising from the purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the bidder.
- 30. Prevailing Wage** - Where labor is required for public work as part of this contract, pursuant to the provisions of the Labor Code of the State of California, contractors shall pay no less than the minimum wages established by the Director of the Department of Industrial Relations of the State of California.

To the extent applicable, Contractor shall comply with the requirements of the California Labor Code including but not limited to hours of labor, nondiscrimination, payroll records, apprentices, workers' compensation and prevailing wages.

No less than the general prevailing rate of per diem wages, and not less than the general prevailing rate of per diem wages for holidays and overtime work, for each craft, classification or type of worker needed to execute the work under this Agreement shall be paid to all workers, laborers and mechanics employed in the execution of the work by the Contractor or any subcontractor doing or contracting to do any part of the work. The appropriate determination of the Director of the California Department of Industrial

Relations shall be filed with, and available for inspection, at the City offices. Contractor shall post, at each job site, a copy of the prevailing rate of per diem wages. The Contractor shall forfeit fifty dollars (\$50.00) for each calendar day or portion thereof for each worker paid less than the stipulated prevailing rates for any public work done under the Agreement by it or by any subcontractor under Contractor.

The City reserves the right to request and review the contractor's payroll records in the form of certified payroll records. In the event certified payroll records are requested, they are to be submitted via email to randelin@antiochca.gov. Furthermore, Contractor is to submit two sets: one complete and one redacted of private information [On the second copy the name, address and social security number of the individual employees must be redacted (blacked out)].

31. Appeals -- Any actual or prospective bidder, or contractor that has a grievance in connection with any City solicitation or award of contract may protest in writing pursuant to the provisions in Antioch Municipal Code section 3-4.03. Protestors are urged to seek resolution of their complaints initially with the using department.

32. Contract Documents - The work embraced herein shall be performed at the locations covered in this bid and in accordance with the current Standard Specifications of the State of California, Business and Transportation Agency, Department of Transportation. In addition to the State Specifications, the following will also apply: these Specifications; the Proposal; the Contract, required herein; any supplemental agreements amending or extending the work; working drawings or sketches clarifying or enlarging upon the work specified herein; and to pertinent portions of other documents included by reference thereto in these Specifications.

The Successful bidder shall be expected to agree to and comply with all terms addressed in the attached Sample Maintenance and Trade Services Agreement. The bidder shall not change the wording in the attached specifications or conditions. No words or comments shall be added to the general conditions or detailed specifications. Conditional bids cannot be accepted.

33. Insurance -- Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees, or subcontractors.

All certificates and endorsements must be emailed to randelin@antiochca.gov, with the name of the contract clearly identified on the certificates and endorsements AND annual renewals automatically be generated and emailed as instructed.

Minimum Scope of Insurance: Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence Form CG 00 01), Owners and Contractors Protective Liability Coverage Form – Coverage for Operations of Designated Contractor).
2. Insurance Services Office Form Number CA 0001 covering Automobile Liability, Code 1.
3. Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.
4. Builder's Risk (Course of Construction) insurance covering all risks of loss less policy exclusions.

Minimum Limits of Insurance: Contractor shall maintain limits no less than:

1. Commercial General Liability (CGL): Insurance Services Office Form CG 00 01 covering CGL on an “occurrence” basis, including products and completed operations, property damage, bodily injury, and personal & advertising injury with limits no less than **\$2,000,000** per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability: ISO Form Number CA 00 01 covering any auto (Code 1), or if Contractor has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than **\$1,000,000** per accident for bodily injury and property damage.
3. Workers’ Compensation: As required by the State of California.
4. Employer’s Liability: **\$1,000,000** per accident for bodily injury or disease.

Additional requirements if applicable:

5. Builder’s Risk: Completed value of the project with no coinsurance penalty provisions for construction project.
6. Professional Liability: \$1,000,000 as needed for design/build and other professional services.
7. Contractor’s Pollution Liability: \$1,000,000 per occurrence \$2,000,000 policy aggregate if hazardous materials are involved.

Deductibles and Self-Insured Retentions: Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers; or the Contractor shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration, and defense expenses.

Other Insurance Provisions: The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. *Additional Insured Status*. The City, its officers, officials, employees, and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Contractor’s insurance (at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used).
2. *Primary Coverage*. For any claims related to this contract, the Contractor’s insurance coverage shall be primary insurance as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Contractor’s insurance and shall not contribute with it.
3. *Notice of Cancellation*. Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the City.
4. *Waiver of Subrogation*. Contractor hereby grants to City a waiver of any right to subrogation which any insurer of said Contractor may acquire against the City by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the City has received a waiver of subrogation endorsement from the insurer.

5. *Deductibles and Self-Insured Retentions.* Any deductibles or self-insured retentions must be declared to and approved by the City. The City may require the Contractor to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention.

Certificate of Insurance and Endorsements: Contractor shall furnish the City with original certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the City before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

Acceptability of Insurers: Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII, unless otherwise acceptable by City.

Verification of Coverage: Contractor shall furnish the Entity with original certificates and amendatory **endorsements** affecting coverage required by this clause. All certificates and endorsements are to be received and approved by the Entity before work commences. However, failure to do so shall not operate as a waiver of these insurance requirements. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements affecting the coverage required by these specifications at any time.

Subcontractors: Contractor shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein.

II SPECIFICATIONS

It is the intent of these specifications to describe the minimum requirements to purchase Public Works equipment per the specifications listed in Section A of the Bid Submittal Documents for a **Dual Tank, 1500lb ea., Diesel Fired Thermoplastic Pre-Melter and Trailer.**

The equipment covered by these specifications shall be supplied as specified and be manufactured new, unused, and latest model complete with all-necessary equipment and accessories. All separate units shall be installed, connected, and delivered in good working operating order.

The equipment specified shall comply with all environmental, health, and safety requirements of Federal, State, and local legislation and regulations in effect at time of delivery. All equipment installed shall be legal for use in the State of California.

The City has the right to permit exceptions to, and deviations from, the specifications, if an article offered substantially meets or exceeds the specifications, and is deemed, by the City, to be satisfactory for its intended use. The City shall be the sole judge in determining acceptable equals. All exceptions to specifications must be listed in the space provided. Notations in any other manner may result in rejection of the bid.

Bidder must provide in detail, in the column labeled 'Substitutions', the items bidders will supply in order to meet or exceed the City's minimum specifications. If the item the bidder is supplying does not meet the City's minimum specification, bidder must provide in detail the items they are supplying or excluding, in this bid.

Additional comments or details must be noted in the column provided on the specifications sheets and if additional space is needed may be added on blank paper. If additional documentation is added, then bidder must provide the line item number and description for each exception.

Bid line item specifications are included on the bid submittal forms.

Individual awards will be made for the items and combinations of items which result in the lowest aggregate price to the City, including such administrative cost. **Please note that the awarded bidder/s will be required to obtain a City of Antioch business license prior to issuance of the purchase order.**

III. BID SUBMITTAL WORK SHEET - BID NO. 020-0408-21A

Your Company Name: _____

Contact Name: _____

Contact Phone: _____

Contact Email: _____

Exceptions to City specifications must be noted in Section A of the Bid Submittal Documents. Total Cost includes thermoplastic premelters and trailer, tax, delivery, and training.

Equipment	QTY	TOTAL COST INCLUDING TAX, DELIVERY & TRAINING	SUBSTITUTIONS TO SPECS
Dual Tank, 1500LB each, Diesel Fired Thermoplastic Premelter and Trailer	1		YES / NO
GRAND TOTAL:		\$	_____

- Vendor agrees to deliver equipment and trailer no later than _____ days from the start of the signed contract agreement.
 - NOTE: If the vendor does not deliver in said amount of time, liquidated damages will be applied in accordance with Section "I. GENERAL CONDITIONS, subsection 20. Liquidated Damages."

IT IS REQUIRED, AS A PART OF THIS BID, TO SUBMIT DETAILED DRAWINGS OF THE MACHINES BEING SOLD. Advertisement material is not acceptable but may be included along with detailed drawings.

CITY OF ANTIOCH
Dual Tank 1500 LB each, Diesel Fired Thermoplastic Premelter and Trailer
Bid No. 020-0408-21A

The undersigned bidder declares that it has carefully examined the locations of the proposed work, plans and specifications, special provisions and read the accompanying instructions to bidders. The undersigned submitter certifies that he/she is, at the time of presenting this Proposal, and shall be, throughout the length of the contract, licensed by the state of California to do the type of work required under the terms of the contract documents. Submitter further certifies that he/she is skilled and regularly engaged in the general class of work called for in the contract documents.

In accordance with the requirements, the submitter represents that he/she is competent, knowledgeable and has special skills on the nature, extent and inherent conditions of the work to be preformed. Submitter further acknowledges that there are certain peculiar and inherent conditions which may create, during maintenance operations, unusual or peculiar unsafe conditions hazardous to persons and property. Submitter acknowledges that he/she is aware of such risks and that he/she has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the maintenance services with respect to such hazards.

Does proposed bid conform to all requirements listed in this document and drawings? _____
If NO, explain non-conforming specifications in detail on separate sheet.

Terms or Cash Discount (if other than net 30 days)_____

Company Name_____

Contact Name_____

Title_____

Address_____

City/State/Zip_____

Telephone_____ FAX_____

Email Address_____

Contractor's License No._____ Exp. Date_____

City of Antioch Business License No._____ Exp. Date_____

Signature_____ Date_____

Bid must be in a sealed envelope with the bid number, closing date, and time on the outside envelope.

DELIVER BID SUBMITTAL TO:

CITY OF ANTIOCH
PUBLIC WORKS
BID NO. 020-0222-21A
1201 W 4TH STREET
ANTIOCH, CA 94509

NON COLLUSION AFFIDAVIT

THIS PAGE MUST BE NOTARIZED

CITY OF ANTIOCH

Dual Tank, 1500 LB each, Diesel Fired Thermoplastic Premelter and Trailer

Bid No. 020-0408-21A

The Bidder, by its officers and agents or representatives present at the time of filing this bid, being duly sworn on their oaths say, that neither they nor any of them have in any way directly or indirectly entered into any arrangement or agreement with any other bidder, or with any public officer of the CITY OF ANTIOCH whereby such affiant or affiants or either of them has paid or is to pay to such bidder or public officer any sum of money, or has given or is to give to such other bidder or public officer anything of value whatever, or such affiant or affiants or either of them has not directly or indirectly entered into any arrangement or agreement with any other bidder or bidders, which tends to or does lessen or destroy free competition in the letting of the contract sought for on the attached bids; that no bid has been accepted from any subcontractor or supplier through any bid depository, the By-Laws, Rules or Regulations of which prohibit or prevent the Contractor from considering any bid from any subcontractor or supplier which is not processed through said bid depository, or which prevent any subcontractor or supplier from bidding to any Contractor who does not use the facilities or accept bids from or through such bid depository; that no inducement of any form or character other than that which appears upon the face of the bid will be suggested, offered, paid or delivered to any person of the contract, nor has this bidder any agreement or understanding of any kind whatsoever, with any person whomsoever to pay, deliver to, or share with any other person in any way or manner, any of the proceeds of the contracts sought by this bid.

NAME _____

SIGNATURE _____

TITLE _____

Subscribed and sworn to before me by:

This _____ day of _____, 20_____

Notary Public

SECTION A
BID NO. 020-0408-21A

PUBLIC WORKS – Dual Tank 1500 LB ea., Diesel Fired Thermoplastic Premelter and Trailer
General

It is the intent of the following specifications to describe the minimum requirements for a dual tank 1500lb ea. Tank capacity trailer mounted thermoplastic pre-Melting system with a minimum GVWR rating of 14,000 lbs. A 1200 lb. minimum capacity, hydraulic lift gate will be installed at the front driver side of the trailer. This unit shall conform to all standards for thermoplastic equipment, including but not limited to precise digital temperature control of material with over-temperature safety circuit and continuous agitation. The system shall be equipped with a heavy duty manually controlled knife valve that provides positive shutoff of the thermoplastic material when filling the applicator. **Unit shall be delivered ready for use with the addition of thermoplastic material and fuel.** All materials, design and workmanship will be in accordance with the most current and best procedures in the industry. All furnished equipment shall be new and of the latest design model. For any offer to be considered, all items must be of a standard production model, not modified for bid purposes.
In the event the requested material/specifications and responses are not supplied, by the bidder, the bid submitted will be considered non-responsive and will automatically be rejected.

Line Number	SPECIFICATIONS REQUIRED	COMPLY YES / NO	EXCEPTIONS, DEVIATIONS, and ANSWERS
<u>General Requirements</u>			
1	<u>MATERIAL CAPACITY</u> Each Unit shall have a total volumetric capacity of 1572lbs(3466kg.) (2 Units Required: 1 White/ 1 Yellow)		
2	<u>MELTING TANKS</u> Melting tanks shall be of all welded steel construction, with flat bottom for ease of clean out. Units shall be equipped with a stainless-steel flame impingement plate mounted between burner flame and bottom of tank. Tanks shall be diesel fired using a diesel fired burner with an output to match the size of the Melter.		
3	<u>OUTLET VALVE</u> Outlet shall be knife type slide valve with a 45-degree steel output fitting to direct the material into the hand liner loading chute. Valve shut off valve shall be constructed of heat treated and hardened tool steel for durability and wear resistance. All components of the valve shall be replaceable. All bolts and flange type grade 8 and retained with distorted threaded high temperature grade 8 flange nuts. Molasses style output valves will not be accepted.		

<p>4</p>	<p><u>LOADING HATCH</u> Melter fill hatch shall be of adequate size to load standard 50lb. bags of thermoplastic material. Hatch cover shall fold down to provide a surface on which to slide material bags into melter. Hatch shall be designed to minimize the possibility of material splashing back at the operator. A safety flap that automatically closes when material is pushed into the melter shall be standard equipment. A locking mechanism shall be provided to securely close melter lid while transporting.</p>		
<p>5</p>	<p><u>AGITATOR</u> Melter shall be equipped with a continuous, full sweep hydraulic agitation system to prevent filler from falling out of suspension and to speed the melting rate of the material. Agitator shall rotate in either direction and will have a manual control valve with an open center off position and detent positions to hold in the valve in either clockwise or counterclockwise direction.</p>		
<p>6</p>	<p><u>TEMPERATURE INDICATION</u> The melter shall have digital electronic temperature controller that will automatically regulate the material temperature by cycling the fuel control valve on or off and automatically providing spark ignition to the burner when calling for heat. If abnormal loss of flame is sensed, the system will automatically attempt to relight. If burner does not relight control valve will shut down and require cycling the on/off switch to re-light. The controls shall have individual digital readouts with 4 characters display for the material. The material controller shall control the burner ignition automatically up to a temperature of 425 deg F.</p>		
<p>7</p>	<p><u>OVER TEMPERATURE SAFETY CUTOUT SYSTEM</u> A U.L rated digital over temperature safety controller shall be included with the unit. It will automatically shut down the burner system if the over temperature setpoint is exceeded. Set point is user adjustable within the range determined by the factory settings. If the material temperature exceeds the safety setpoint, power to the controller must be cycled to restart the unit after determining why the over temperature condition occurred. Units without an over temperature safety cutout system will not be considered an acceptable equal.</p>		

8	<p><u>CONTROLS</u> Hydraulic system pressure shall be preset at the factory. A Diesel Ignition Module shall control melting tank temperature and gas burner ignition to a maximum temperature of 425 deg F. Module shall include a 12 VDC diesel ignition system for lighting burner automatically and a 12 VDC solenoid valve to control fuel flow. Module shall include integral on-off switch and a type J thermocouple to sense material temperature. It shall also include a digital type J safety circuit that senses loss of flame.</p>		
9	<p><u>ENGINE</u> A minimum 13.5 HP diesel engine shall be supplied. Engine must be GARB and EPA approved to current standards as of shipment date and legal for use in California. Electric start with battery shall be standard. High efficiency air- cooling fan shall be supplied. Optimum engine speed is preset at the factory to properly power the hydraulic system. All appurtenances required for operation including fuel tank shall be included.</p>		
10	<p><u>POWER PACK & MOUNTING</u> Engine and hydraulic pump shall be modular and easily removed from unit for service if desired. Power pack to be mounted on the front tongue area of the trailer using vibration isolators properly sized for the total weight of power pack and located for ease of removal or replacement. Unit shall be supplied with fuel tank, hydraulic reservoir all appurtenances required for proper and safe operation of unit.</p>		
11	<p><u>FINISH</u> Skid, melter and all exposed steel parts shall be finished with Polyester powder coat, two component high temperature paint, or be bright zinc or chrome plated for corrosion resistance.</p>		
12	<p><u>MANUAL</u> A complete set of parts, service, and safety manuals shall be provided on all equipment furnished with unit. Manual must have complete parts diagrams and part numbers for easy identification of parts as well as recommended maintenance intervals. Manual shall be a printed hard copy supplied in a three- ring binder and be available on digital media if requested.</p>		

13	<p><u>TECHNICAL SERVICE</u> A toll-free technical service number shall be provided and shall be staffed from 8:00 AM to 4:30 PM PST, weekends and holidays excluded. Successful bidder shall have a California warehouse with full inventory of spare parts available for same day shipment if ordered by 1:00 PM PST. Vendors without a California service facility will not be accepted.</p>		
14	<p><u>START UP AND TRAINING</u> A minimum 1-day (8 hours) start up and training shall be provided by a factory trained service representative. Training shall take place at customer's location and at a time mutually agreed upon by customer and successful bidder.</p>		
15	<p><u>THERMOPLASTIC PREMELTER WARRANTY</u> All equipment manufactured is to be free from defects in materials and workmanship for a period of one year from date of purchase to the original purchaser. All equipment supplied with the unit and manufactured by others shall bear the warranty of that respective manufacturer. Please specify what type of warranty is being provided.</p>		
<u>Trailer Requirements</u>			
16	<p>Trailer shall be constructed of heavy gauge structural steel and properly welded at all frame cross member contact points and shall have a 14,000 lb. rating. Trailer dimensions shall be 16' long X 102" in width. Trailer shall be finished with a high quality, two component acrylic enamel after the application of the appropriate primer. All surfaces should be prepared following the recommendations of the paint manufacturer.</p>		
17	<p>All walking surfaces shall be 3/16 thick diamond plate for operator safety and secure footing.</p>		

18	Trailer deck height for cargo area shall be a maximum of 28" from the ground. A step shall be supplied at cargo area on both passenger and driver side of the trailer ergonomic access to the deck. A raised deck for the melters shall be provided at rear of trailer for ease of material loading into the tanks as well as providing the proper height for filling melted material from the kettles into hand liners. Safety rails shall be provided on driver and passenger side of trailer at rear raised portion of bed.		
19	Trailer shall be supplied with dual 7,000 lb. axles. Trailer shall be equipped with 16-inch, load range E trailer rated tires with 8 lug wheels. Trailer shall be equipped with electric brakes on both axles		
20	Diesel fuel as well as hydraulic oil shall be transferred from the front of trailer to the melting kettles via rigid plumbing mounted under the deck and with a flexible hose mounted from the fuel solenoid to the burner		
21	A 1200 lb. capacity, electric/hydraulic powered lift gate with dimensions of 73" x 48" shall be provided for ease of loading and unloading hand liners. It is to be installed at the front driver side of the trailer. Lift platform shall be stored as well as secured upright for transportation. A controller to operate the lift gate shall be provided.		

22	A heavy duty hinged loading gate shall be supplied on passenger side at front of trailer for loading of material or equipment by forklift. Removable gates with stake pocket mounting will not be accepted. Gate shall be supplied with secure locking means.		
23	Two (2) Pole Mounted Beacons and Directional Light Bar		
24	2-5/16 Ball Hitch		
25	<u>TRAILER WARRANTY</u> All equipment manufactured is to be free from defects in materials and workmanship for a period of one year from date of purchase to the original purchaser. All equipment supplied with the unit and manufactured by others shall bear the warranty of that respective manufacturer. Please specify what type of warranty is being provided.		