SPEC INQUIRY, SH | OF NO. 6014-0201-1210-02 FANS AND BLOWERS QUOTATION, SH OF PURCHASE, SH OF NO6014-02D+J210-01 SPECIFICATION NUMBER QUANTITY ONE UNIT(S) USED WITH_30-5126 ITEM INV 11 CL 13 14 15 23 22000 0,5 - 5,0,0,1 41-5008 41-5009 THIS SPECIFICATION INCLUDES ITEM NOS. SPECIFICATION NUMBERS ON ATTACHED LIST TRANSPORTATION BLOWER SERVICE. PLANT PHILLIPS SUMIKA POLY PROPYLENE COMPANY AND UNIT ISTRUCTIONS TO BIDDER 1. Complete items 45 thru 86 on this Inquiry. Return this Inquiry plus 3 copies. Include 3 45. Vendor PLOCESS EQUIPMENT LAMSON CORPORATION sets of information and catalog drawings that adequately describe the bid items, and 47. Model and/or Fig. No. <u>2000 SER/ES</u> specifically include the following: 48. Type 2 · STAGE CENTRIFUGAL a. Performance data covering capacity, head, and horsepower and efficiency at 3 condi-STANDARD 49. Capacity 11, 945 CFM at . tions: at quoted fan speed, and at plus and minus 10 percent of quoted speed. Conditions 94.5 50. Differential Pressure (In. Water) (PST) b. Wear parts list with supply locations and delivery time. 3550 268 Equipment will be subjected to a critical noise evaluation based on unprotected person-51. BHP Required _ _. 52. Fan RPM nel exposure of **b** hours per day. Other equipment (<u>will</u>) (<u>will not</u>) contribute to 53. Rotation from Drive End #(Clockwise) (Ge SHEET the problem. The attached noise data form 3792 is to be completed and submitted by 54. Curves and Other Data Attached ____ PROPELLER **30.5** In., No. Stages **2** __, No. Blades Per Stage _______ bidder with the quotation. Return this form plus 3 copies. 56. Type___SHADUDED 3. Show Spec No. on all engineering documents and correspondence. 57. Matl: Blades <u>SARBON STEE</u> Hub Min Acceleration 4. Check the box opposite QUOTATION and enter your quotation number. This completed Inquiry 58. WR² of Retor_ LATER is your quotation to the Purchaser. The completed Inquiry will be issued as a purchase GARBON STEEL 59. Dia_ CASING 60. Matl spec with the purchase order to the successful bidder. , Mat1_ DLIGTILE IRON A. Hax WP In addition to bidding the material and equipment specified, bidder may propose equally suitable, but less costly materials and equipment as an alternate. If so, 61. Connections: Size and Type 20' IN 18" OUT then note this under Item 86. NSTRUCTIONS TO VENDOR 6. Stencil Spec No. and P.O. No. on packing case or, if packing case is not used, on SHAFT SEAL 62. Type ____ SEE NOTE PAGE plastic or metal temporary tag wired conspicuously to equipment. 63. Mfr 7. An austenitic stainless steel nameplate of manufacturer's standard shall be attached permanently to the equipment and stamped to include the Spec No. 64. Matls Fans and blowers shall be tested and rated in accordance with the applicable AMCA Stan-65. Details Attached Dwg. No. ANTI FRICTION dard Test Code and Certified Ratings Program, and shall carry the AMCA Certified Rating 66. Ivne 014 67. Lubrication SKE 9. If changes occur: Advise Purchasing, in triplicate, of any changes in price or 68. Mfr and Catalog No. NO F Temp Rise. delivery resulting from such changes. Cooling Water Regd. (Furnish detail informa-350 3550 . RPM 10. Capacity 11,945 SCFM tion on driver spec form if driver is to be furnished with pump). 11. Gas Handled NITROGEN + H.C. GAS (TRACE) 71. Shipping Instructions (When furnished by Purchaser). Composition (is) (is not) attached. (SEE NOTE PAGE 3 OF 6) Attn 19.7 // 12. Suction Pressure ___ (<u>PGEA)</u> (<u>In. Water</u>) at ____ Street No. City and State. BASE PLATE — 72 Mars 13. Ambient Temperature 20 - 105 F. 14. Relative Humidity 15. Static Outlet Pressure 114.2 Matl CCESSORIES (PSIA) (<u>In. Water</u>) at FABRICATED STEEL 94.5 16. Differential Pressure _ (PGI) (<u>In. Water</u>). 34 17. Elevation Above Sea Level 74. Other TRANSPORTATION POWDER 18. Type Service _ _, Estimated Shaft HP_268 # Shallow SERVICE ENGINEER 75. Days Service Included w/Order_ Extra Time, \$ Estimated Number of Starts Per Year 19. Type: (Centrifugal) (Vancarial) (Tuberrial) 76. Travel and Living Expense to be Paid by 20. Inlet and Outlet Connections to be (Flanged) YES🚹 21. Entire Rotating Element to be Statically, and Dynamically Balanced at 🛄 **600**. RPM a. Vendor shall mark applicable purchase order number, equipment specification number, 22. Rotation Viewed from Drive Side (Clockwise) (Counterelecture) and document code on documents. 23. Arrangement Per Standards of Fan Manufacturers: b. Do not duplicate documents for identical equipment on the same purchase order. Drive Arrangement No. _ _(SW) (DW) (SI) (DI) c. If normal method of furnishing documents combines two or more of the required Direction of Discharge: [[Tor) (Petter) Horizontal, [Up) (Up) Blast, document descriptions, yendor shall furnish the maximum quantity required for any (Top) (Seeses) Amount (Me) (Seeses): Belt or Chain Drive, (W), (X), (Y), (Z) one description in the combination. 24. Case Joints to be Gasketed (Yes) (***) d. A transparency may be furnished in lieu of the quantity of certified documents NOTE 1) MAXIMUM 300 BHP@ 20°F AMBIENT required. Transparency on approval documents not acceptable. AIR TEMPERATURE AT START UP COND-T10 NS. 2) PREDICTED BLOWER DISCHARGE TEMPERATURE = 206°F.

DATE APR 93 PROCESS APPR SEP-94 INQUIRY APPO TO DATE AIR93 PURCH APPD REV 1 APPO DATE _ REV 2 APPD. CHECKED _DATE_ REPRODUCTION OF STANDARD NO. 25,04-16 FORM 2421 12-76 THIS FORM MUST BE USED WITH FORM 3834 PAGE 1

PRINTED IN U.S.A.

_REV 3 APPD

FOR: INQUIRY, SH 2 OF \$ NO. 6014 - 0201-J210-02 **FANS AND BLOWERS** __ QUOTATION, SH OF NO. 05-5001 PURCHASE, SH OF PONOGO14-0201-82/0-02 SPEC NO. DUCTILE IRON 77. Vendor's Documents: (Continued) CARBON STEEL e. MAIL DOCUMENTS TO: C.S. ... Impeller or Propeller____ SEE VDR STEEL 29. Baseplate _ 30. Other___ SHAFT SEAL 31. Type____ VENDOR TO COMPLETE AS PART OF BID: Show number of calendar days * wendor requires for delivery of documents after commitment. 50 62 DOC- CR APPROVAL DERTIFIED 32. Mfr. DOCUMENT DESCRIPTION OTY DAYS OTY DAYS CODE DRIVER 33. Type: (Motor) (Engine) (Stemm Turbine) (Gos-Turbine). 26 27 34. Spec No. TV. E & QCP-30- Attached. 01 DIMENSIONAL DRAWINGS 02 INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS 35. Furnished by Yendor (Yes) (Nounted by Yendor (Yes) (No.). 36. Dimensional Print Attached (No) PARTS LIST: Description, Parts Numbers, Materials of M3 Construction and Quantities ACCESSORIES (Mat1) CROSS SECTIONAL DRAWINGS. With reference numbers to parts Screens. list. These may be pictoria 38. 1 ouvers RECOMMENDED SPARE PARTS: Include Heat Slinger_ Rrices, Points of 06 Supply, and Delivery 40. Baseplate Leveling Screws___ PERFORMANCE DATA: Capacity C ersepower and 07 Efficiency OPENINGS 42. All flanged or screwed openings shall be covered or plugged for shipment and 10 BILL OF MATERIALS FOUNDATION DESIGN DATA: Anchor Bolt Layout, Bolt Detail 12 and Loading Required for Foundation Design (713) 753-2476 RECOMMENDED LUBRICATION: Type, Lubrication Points and 44. Other information 37 SEE PAGE 3 OF 6 The documents described above are part of the purchase and must be furnish before rendering final invoice. NOTE: TRANSPORTATION BLOWER PRESSURES, TEMPERATURES, AND FLOWS ER DATA SHEET GPH. E. 1102 REV. B DATED AUG-94. DELIVERY (After Commitment) 78. Equipment will be on job site: With Driver Weeks, Without Driver NET WEIGHT (Each) 79. With Driver Lbs, Without Driver 80 . Point of Origin_ PRICE FOB ORIGIN 81. Complete as Specified, Less Driver, Each...........\$ 83. Transportation Charge to Destination, Each........... 85. Invoice Terms_ 86. Exceptions should be noted below or attached: