



**TENDER ID : 2019\_KFD\_289532\_1**

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**KERAFED**  
**KERA TOWER**  
 Vellayambalam, Vikas Bhavan P.O  
 Thiruvananthapuram - 695033

## **TENDER NOTICE**

KERAFED invites e-tenders from reputed Original Manufacturers or Dealers FOR SUPPLY OF  
 EXPPELLER SPARES for our Karunagapally & Naduvanur factories.

### **FOR KERAFED OIL COMPLEX, KARUNAGAPALLY**

1.	Cage bar	
	Cage bar $\frac{3}{4}$ "x $\frac{3}{4}$ " x 10 7/8"	1000 Nos
	Cage bar $\frac{3}{4}$ " x $\frac{1}{2}$ " x 10 7/8"	500 Nos
2.	Elevator bucket(14 SWG) pressed	
	Size : 12"x 6" x 5"	30 Nos
	Size : 10"x 6" x 5"	30 Nos
	Size :14"x 7"x 5"	30 Nos
3.	Taper Worm Size 8" x(13-10)x7" Long	5 Nos
4.	Plain Collar 8" x 2" Long	5 Nos
5.	Plain Collar 8" x1 $\frac{1}{2}$ " Long	10 Nos
6.	Straight Collar 8 $\frac{3}{4}$ x1 $\frac{1}{2}$ " Long	10 Nos
7.	Second Chamber Worms (Chamber dia- 10", Worm body dia -8 $\frac{3}{4}$ ", Shaft dia – 135mm) Key way - $\frac{3}{4}$ " width & $\frac{1}{4}$ " Depth)	05 Set
	7.1 Forward Worm Size 8 $\frac{3}{4}$ "x 3" Long	30 Nos
	7.2 Reverse Worm Size 8 $\frac{3}{4}$ x 3" Long	20 Nos
	7.3 Forward Worm Size 8" x 4 $\frac{1}{4}$ " Long	10 Nos
	7.4 Forward Worm Size 8 $\frac{3}{4}$ "x 4 $\frac{1}{4}$ "Long	10 Nos
	7.5 Taper Collar 8-8 $\frac{3}{4}$ "x1 $\frac{1}{2}$ " Long	5 Nos
	7.6 Taper Collar 8 $\frac{3}{4}$ " -7 $\frac{1}{2}$ "x 1 $\frac{1}{2}$ "Long	5 Nos
	7.7 Plain Collar 8 $\frac{3}{4}$ "x1 $\frac{1}{2}$ " Long	10 Nos
8.	Cone bush (OD-7.1/2",bore-5",width-6",KW-1"x1/2")	10 Nos
9.	Pinion 22 teeth (dia-9 $\frac{1}{2}$ ",face-6",bore-5"(MS case hardened),KW $\frac{3}{4}$ "x $\frac{1}{4}$ ")	10 Nos
10.	Pinion 25 teeth(dia-9",face-6",bore-5"(MS case hardened),KW $\frac{3}{4}$ "x $\frac{1}{4}$ ")	10 Nos
11.	Intergear67 teeth (dia-23"face-6",bore-5"(MS case hardened)	5 Nos
12.	Maingear75 teeth (305/8",face-6",bore-5"(MS case hardened)	5 Nos
13.	Elevator chain pitch 66.27 mm with K type attachment (diamond company manufactured)	15 Metre
14.	Sidebar (10.7/8X1x1x1x3/4x5/8"holecentre3.5/8,casehardened)	200 Nos
15.	Fly wheel shaft (dimension attached)	3 Nos
16.	Inter shaft ( dimension attached)	5 Nos
17.	Main shaft (dimension attached)	5 Nos
18.	Cone assembly with MS nut	5 Nos
19.	Plumber block S-517	10 Nos
20.	Sprocket 5" 12 teeth	6 Nos
21.	Duplex chain 1"pitch	30 Meter
22.	Triplex chain 1"pitch	10 Meter

## **TECHNICAL SPECIFICATIONS**

- |                     |                                    |
|---------------------|------------------------------------|
| 1 Worms,Collar,Cone | : EN8 Steel with Surface hardening |
| 2 Elevator bucket   | : Mild Steel of 14SWG pressed      |
| 3. cage bar         | : EN8 steel with hardening         |

### **FOR Naduvanur Plant supply**

<b><u>SL.N</u></b> <b><u>Q</u></b>	<b><u>ITEMS</u></b>	<b><u>SPECIFICATION</u></b>	<b><u>QUANTITY</u></b> <b><u>REQUIRED</u></b>
A.	<b><u>FIRST STAGE</u></b> <b><u>WORMS</u></b>	<b><i>LENGTH BODY ID OD</i></b>	
	Forward Worm	6" 4 ¾" 85 mm 9 ½"	4 Nos
	Forward Worm	6" 4 ¾" 85 mm 8"	4 Nos
	Forward Worm	3 ¾" 5 ½" 90 mm 6 ½"	4 Nos
	Forward Worm	3" 5 ¾" 90 mm 6 ¾"	8 Nos
	Forward Worm	2 ½" 6" 90 mm 7"	10 Nos
B.	<b><u>SECOND STAGE</u></b> <b><u>WORMS</u></b>	<b><i>LENGTH BODY ID OD</i></b>	
	Quill Worm	10 ¼" 5" 85mm 7"	1 Nos
	Forward Worm	4 ½" 5 ½" 85mm 7"	2 Nos
	Forward Worm * 50% Stepped ID 90,85	3 ½" 5 ½" 90,85mm 7"	4 Nos
	Forward Worm	3" 5 ¾" 90mm 7"	10 Nos
	Forward Worm	2 ½" 5 ¾" 90mm 7"	10 Nos
C.	<b><u>FLYWHEEL</u></b> <b><u>SHAFT</u></b>	As per Drawing (DRG-NDR-03)	8 Nos
D.	<b><u>COLLARS</u></b>		
	Plain	2" L x 85mm ID x 4 ¾" OD	5 Nos
	Plain	1" L x 85mm ID x 4 ¾"	5 Nos
	Plain	2" L x 90mm ID x 5 ¾" OD	5 Nos
	Plain	2" L x 90mm ID x 6" OD	5 Nos

	<i>Plain</i>	<i>1 ¼" L x 85mm ID x 5 ½" OD</i>	<i>5 Nos</i>
	<i>Plain</i>	<i>2" L x 90mm ID x 5 ¾" OD</i>	<i>5 Nos</i>
	<i>Plain</i>	<i>1 ½" L x 90mm ID x 5 ¾" OD</i>	<i>5 Nos</i>
	<i>Tapper (Stepped)</i>	<i>1 ½" L x 4 ¾" x 5 ½" x (90 x 85mm ID)</i>	<i>5 Nos</i>
	<i>Tapper</i>	<i>1 ½" L x 5 ½" x 5 ¾" x 90mm ID</i>	<i>5 Nos</i>
	<i>Tapper</i>	<i>1 ½" L x 5 ¾" x 6" x 90mm ID</i>	<i>5 Nos</i>
	<i>Tapper</i>	<i>1" L x 5 ¾" x 6" x 90mm ID</i>	<i>5 Nos</i>
	<i>Tapper</i>	<i>1" L x 5" x 5 ½" x 85mm ID</i>	<i>5 Nos</i>
	<i>Tapper</i>	<i>1 ½" L x 5 ½" x 5 ¾" x 90mm ID</i>	<i>5 Nos</i>
<i>E.</i>			
	<i>Bevel Pinion</i>	<i>15 Teeth Dia 6 1/2 " ID 50mm</i>	<i>6 Nos</i>
	<i>Bevel Gear 42 Teeth</i>		<i>6 Nos</i>
	<i>12 Teeth Shaft Pinion</i>	<i>12 Teeth</i>	<i>6 Nos</i>
<i>F</i>	<i>Cone 8½" Length</i>	<i>As per Drawing(DRG-NDR-04)</i>	<i>5 Nos</i>
<i>G.</i>	<i>Mark III - Expeller Main shaft</i>	<i>As per Drawing (DRG NO EX III-MA2-07-0)</i>	<i>2 Nos</i>
<i>H</i>	<i>Mark V - Expeller Main shaft</i>	<i>As per Drawing (DRG.EX V-40-MA2-05-0)</i>	<i>1 Nos</i>
<i>I.</i>	<i>Main Shaft - Goyam Expeller</i>	<i>As per Drawing(DRG-NDR-02)</i>	<i>1 Nos</i>
<i>J</i>	<i>Forward Worm</i>	<i>200 L, x 120mm Body 188OD, 85-ID</i>	<i>5 Nos</i>
	<i>Forward Worm</i>	<i>145 L, x 115mm Body 160OD, 85-ID</i>	<i>5 Nos</i>
	<i>Forward Worm</i>	<i>126 L, x 125mm Body 160-OD, 85-ID</i>	<i>5 Nos</i>
	<i>Forward Worm</i>	<i>95 L, x 130mm Body 160-OD, 85-ID</i>	<i>5 Nos</i>
	<i>Forward Worm</i>	<i>95 L, x 138mm Body 160-OD, 85-ID</i>	<i>5 Nos</i>
	<i>Forward Worm</i>	<i>75 L, x 138mm Body 160-OD, 85-ID</i>	<i>5 Nos</i>
<i>K.</i>	<i>Bush</i>	<i>114mm L x 138 Body, 85-ID</i>	<i>2 Nos</i>
<i>L</i>	<i>Tapper Collar</i>	<i>38 L x 120 x 115 mm 85 ID</i>	<i>5 Nos</i>
	<i>Tapper Collar</i>	<i>38 L x 115 x 125 mm 85 ID</i>	<i>5 Nos</i>

	<i>Tapper Collar</i>	<i>38 L x 125 x 130 mm 85 ID</i>	<i>5 Nos</i>
	<i>Tapper Collar</i>	<i>38 L x 130 x 138 mm 85 ID</i>	<i>5 Nos</i>
<i>M.</i>	<i>Plain Collar</i>	<i>45 L, 120 Body x 85 ID</i>	<i>5 Nos</i>
	<i>Plain Collar</i>	<i>90 L, 138 Body x 85 ID</i>	<i>5 Nos</i>
	<i>Plain Collar</i>	<i>38 L, 138 Body x 85 ID</i>	<i>6 Nos</i>
<i>N.</i>	<i>Cage Bars (Taper)</i>	<i>As per drawing</i>	<i>700 Nos</i>
	<i>Cage Bars (Straight)</i>	<i>L-275mm, W-12.5mm, H-19mm</i>	<i>300 Nos</i>
	<i>Cage Bars (Straight)</i>	<i>L-275mm, W-3mm, H-19mm</i>	<i>100 Nos</i>

Place of supply

1. The items No 1 to 22 should be supplied to Kerafed Oil Complex, Karunagappally
2. The items No A to N should be supplied to Kerafed Coconut Complex, Naduvanur

4. The bid shall be submitted in two cover system consisting of technical bid and price bid. The price bid of those who qualify in the technical bid only will be opened.
5. Detailed terms and conditions as well as technical specifications are contained in the bidding document of the above work which is uploaded in the Kerala Government e-portal [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)

Tender submission details are :-

- |                                  |   |
|----------------------------------|---|
| a. Tender reference No.          | : <a href="#">KFD/PPM/SPARES/2019-2020</a>  |
| c. Tender details & Form         | : Can be downloaded from the website <a href="http://www.etenders.kerala.gov.in">www.etenders.kerala.gov.in</a> |
| d. EMD                           | : <b>Rs.7,000</b>   |
| e. Cost of tender form           | : Rs. 1778.00 +12.5%GST = <b>Rs. 2000</b>   |
| f. Documents publish date        | : 03-07-2019, 11.00 hrs.  |
| g. Documents download start date | : 04-07-2019, 11.30 hrs.  |
| h. Bid submission start date     | : 04-07-2019, 14.00 hrs.  |
| i. Bid submission closing date   | : <b>19-07-2019, 15.00 hrs.</b>   |
| j. Bid opening                   | : 20-07-2019, 15.00 hrs.  |

Managing Director