	1 Stranger		لالها) رئيس مهندسين اشدم عمباس نعمة هادي	ین افسام جادی	5
	Gear rim spring(Mark 1557/2660 2.050993)	12 Gee	M		
	Supplying lubrication system and its oil that using for this gearing and definition the 4 type specification and quantity for it	1 Su			þ
	Gear rim of cast steel as helical gear consist of two parts ,split,196teeth,(Mark kv- 618 1.027634), With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)	1 G Wi			
2	Pinion of Cr-Mo-cast steel ,with 19 teeth , bore=410mm (Mark kv-543 2.050934) 2	2 Pir 2 (M			
	Gearing specification of (Manufacture No.997366),as catalogs attachment consist of:-	Ge			
	kiln shell under the gear of, inner dia.=5250mm, Outer dia.=5320mm, L=2850mm, material (St37-2 boiler plate) welded with the old kiln shell and complete(assembly) installation with Gearing				
and a feature				<ul> <li>التبليـــخ</li> <li>بالاعتماد</li> </ul>	
				العمد (تمدي) او	
			·	• توقيح	
			CIF or CIP	قدرہ مصیب تبدأ من تاريخ	
as the state				دره مجهير و(۲ ش_ ـــــــــــــــــــــــــــــــــــ	
	Supply and installation gearing of kiln with accessories and kiln shell under the girth gear as complete (assembly) for kiln no. (2) as :-	gi Si		بحدود (ه ا <u>شــــــــــــــــــــــــــــــــــــ</u>	
رقم التتريخ		الكمية	الوحدة النيبيم	الموعد المتوقع للتسليم	فترة التجهيز المقترح من مقدم العطاء إيراني بن قرار من مالعماية]
				<b>.</b> و	فترة التجييز بالأيام
	الطلبية المرقمة ( ١١/م / س ج ن ١٠/٠٠) تجهز مسلنات الفرن التابي مع المحمات وقطعه العرن اسفن المنتب مع ا	به انفرن اسفن			

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١-قائمة السلع وجدول التسليم

الطلبية المرقمة ﴿ ١١/م / س ج ن ١٠/٠/٠) تجريز مسلنات الفرن الثاني مع الملحقات وقطعة الفرن أسفل المسلنات مع التنصيب لمعمل سمنت الكوفة

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21	2011	Ett - c. M. Home	$\int$	رئیس مهندسین اقدم عدامہ فیصلہ کرار ک	5
		- Main motor power = 410 KW ,DC(no .of motors=2) TWO side Drive			
		- Capacity = $1500 \ t/day$ - Sneed = $(0.3 - 1.5) r$ m m		Ţ	)
	17	- Outer diameter = 5320 mm (site of gears)			i.
¥		Data of rotary Unax cement kiln:- - L= 175m			
_	16	Supply all document and drawings			
r.	15	With all catalogs and spare parts lest, charts, maintenance and lubrication, method, est.			
a	14	All Marks of above parts from (F.I. SMIDTH CO.)			
		Air filter (Mark 4.007067)	4		
t.	13	Oil gauge(Mark 1-780345)	œ		
		Roller bearing SKF (Mark 24164 CA) Seal ring of rubber (Mark 1=1200 202260)	12		
a S	;	Various parts for Diamon blocks.	<u>a</u>		
	12	Plummer block, complete, with roller bearing (Mark 910653)	2		
2 2	11	Plummer block, complete, with roller bearing (Mark 910652)	2		
3		2 hexagon socket head cap screws,M20*50mm 8 hexagon socket head cap screws,M16*40mm			
	10	1 parallel key,70*36*470mm	2		
28		Shaft (Mark 3.041911), with ,			
	9	->eraper-plate of rubber for gear rim (Mark L=100-9/3972)	2		
	œ	Stop ring for plaint bolt (Mark 100*160*28)	24		
	7	Plaint bolt without head , (@100*470 mm),(Mark 100*470 460961-A)	12		
	б ,	Supply all the gearing covers	_		
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
رئیس مهندسین ا <sup>ور. و</sup> میاس نعده ی							
Sit.	Training: four engineers to installation in the country of manufacture	Warranty one year on full load and first start from successful test operation.	Western origin	Supply period for this gearing and all equipment and accessories is five months and The installation period shall be two months after the arrival to the warehouses of the plant and the issuance of the certificate of technical conformity	<ul> <li>installation girth gear on new kiln shell with accessories</li> <li>To do all gearing process which lead to optimum operating( contact , vibration and noiseetc. )</li> </ul>	All installation in site of AL-Kufa plant on supplier company include :- - Disassemble and remove all old part of gearing and its accessories with its kiln shell under the gear. - Installation the kiln shell by welding on the old kiln-shell.	Dimensions :- All dimensions take in site by the supplier and manufacturing is done according.
151 V	23	22	21	20		6	18
, , <u>,</u>		96 96 92	- <del>1000 - 1</del> 2		d F		<u></u>

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Item		ien-mai	er the girth g	eartor kuta cemei	nt plant
Roods Description		Unit F	Final Delivery	Supply	Supplying Period (in days)
	Quantity	No.	Destination	Estimated	The proposed Delivery Period
Supply and installation gearing of kiln with accessories and kiln shell under the		_		Delivery period	by Bidder (filled by Bidder)
				About	
				Supply PERIOD	
				(5 months)	
				And Installation	
				PERIOD	
8			CIF or CIP	(2momth)	
	87.000			starting from :	
				The date of	
	7.1.2.2.0			signing the	
				contract (Cash)	
				Or	
		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		The date of	
		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		advising about	
kiln shell under the gear of, inner dia.=5250mm,		_		the (L/C)	
<sup>1</sup> Outer dia.=5320mm, L=2850mm, material (St37-2 boiler plate) welded with the old kiln shell and complete(assembly) installation with Gearing	<u> </u>	-			
Gearing specification of (Manufacture No.997366), as catalogs attachment					
n: consist of:-					
2 Pinion of Cr-Mo-cast steel, with 19 teeth, bore=410mm (Mark ky-\$43 2.050934)	2				
3 Gear rim of cast steel as helical franconsist of two parts ,split, 196teeth, (Mark	<u>د</u>	+			
		-			
الحلم علام نعمة دادى					sill a real de las

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Write is tight-fitting bolts, each with 2 mult(Mark 922691)     Image: Constraint of the search of the	c.c./ 2/2 / 1 T	S	inter and all and a solution and a s	
With 8 tight-fitting bolts, each with 2 muts(Mark 922691)         4       Supplying lubrication system and its oil that using for this gearing and definition         5       Gear rim spring(Mark 1557/2660 2.050993)         6       Supply all the gearing covers         7       Plaint bolt without head , (ø 100*470 mm),(Mork 100*470 460961-A)         8       Stop ring for plaint bolt (Mark 100*160*28)         9       Scraper plate of rubber for gear rim (Mark L=100 973972)         8       Shaft (Mark 3.04111),with, gearing covers, M20*50mm         4       plate of rubber for gear rim (Mark L=100 973972)         9       Scraper plate of rubber for gear rim (Mark L=100 973972)         9       Staft (Mark 3.04111),with, gearallel key, 70*36*470mm         1       plate of rubber for gear rim (Mark L=100 973972)         8       hexagon socket head cap screws,M16*40mm         10       1         9       Staft (Mark 3.04101), with oller bearing (Mark 910652)         1       Plummer block, complete, with roller bearing (Mark 910653)         8       hexagon socket head cap screws,M16*40mm         9       Supply all cequirements needed for optimum operation.         1       Plummer block, complete, with roller bearing (Mark 910653)         9       Air filter (Mark 4.007067)         9       Supply all cequir	$\mathcal{I}$			
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)         4       the type specification and quantity for it         5       Gear rim spring(Mark 1557/2660 2.050993)         6       Surply all the gearing covers         7       Plaint bolt without head, (Ø100*470 mm),(Mork 100*470 460961-A)         8       Stop ring for plaint bolt (Mark 100*160*28)         9       Scraper plate of rubber for gear rim (Mark L=100 973972)         9       Shaft (Mark 3.041911),with,         1       parallel key, 90*45*630mm         4       parallel key, 70*36*470mm         2       Plummer block, complete, with roller bearing (Mark 910652)         2       Plummer block, complete, with roller bearing (Mark 910653)         2       Plummer block:         Roller bearing SKF (Mark 24164 CA)         Supply all requirements needed for optimum operation.         4       All Marks of above parts for Plummer blocks:         8       Supplex and spare parts lest, charts, maintenance and lubrication         9       Supplex all catalogs and spare parts lest, charts, maintenance and lubrication				<u>.</u>
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)         4       the type specification and quantity for it         6       Gear rim spring(Mark 1557/2660 2.050993)         7       Plaint bolt without head , (Ø100*470 mm), (Mcrk 100*470 460961-A)         8       Supply all the gearing covers         7       Plaint bolt without head , (Ø100*470 mm), (Mcrk 100*470 460961-A)         8       Stop ring for plaint bolt (Mark 100*160*28)         9       Scraper plate of rubber for gear rim (Mark 1=100 973972)         9       Shaft (Mark 3.041911), with ,         1       parallel key ,90*45*630mm         4       parallel key ,90*45*630mm         1       parallel key ,90*45*630mm         2       parallel key ,90*45*630mm         3       Shaft (Mark 3.041911), with ,         1       parallel key ,90*45*630mm         2       parallel key ,90*45*630mm         3       hearagon socket head cap screws,M20*50mm         4       parallel key ,90*45*630mm         5       Barager socket head cap screws,M20*50mm         8       hearagon socket head cap screws,M20*50mm         9       Plummer block, complete, with roller bearing (Mark 910652)         9       Plummer block, complete, with roller bearing (Mark 910653)         9       sat ri				-
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)         4       tspplying lubrication system and its oil that using for this gearing and definition         5       Gear rim spring(Mark 1557/2660 2.050993)         5       Gear rim spring(Mark 1557/2660 2.050993)         5       Supply all the gearing covers         7       Plaint bolt without head , (Ø100*470 mm],(Mcrk 100*470 460961-A)         5       Stop ring for plaint bolt (Mark 100*160*28)         5       Scraper plate of rubber for gear rim (Mark L=100 973972)         5       Shaft (Mark 3.041911),with ,         1       parallel key ,90*45*630mm         4       parallel key ,90*45*630mm         4       parallel key ,90*45*630mm         8       parallel key ,90*45*630mm         9       Shaft (Mark 3.041911),with ,         1       parallel key ,90*45*630mm         8       hexagon socket head cap screws,M20*50mm         8       hexagon socket head cap screws,M16*40mm         9       Plummer block, complete, with roller bearing (Mark 910652)         9       Plummer block, complete, with roller bearing (Mark 910653)         Various parts for Plummer blocks :         Roller bearing StF (Mark 24164 CA)         Supply all requirements needed for optimum operation.         All Marks of above parts from (		ation		1
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)         Supplying lubrication system and its oil that using for this gearing and definition         Gear rim spring(Mark 1557/2660 2.050993)         Supply all the gearing cowers         Plaint bolt without head, (Ø100*470 mm),(Mcrk 100*470 460961-A)         Stop ring for plaint bolt (Mark 100*160*28)         Scraper plate of rubber for gear rim (Mark L=100 973972)         Shaft (Mark 3.041911),with, 1 parallel key, 90*45*630mm 4 parallel key, 70*36*470mm         Plummer block, complete, with roller bearing (Mark 910652)         Plummer block, complete, with roller bearing (Mark 910653)         Various parts for Plummer blocks : Roller bearing SKF (Mark L=1200 893868)         Oil gauge(Mark 1-780345)         Air filter (Mark 4.007067)         Supply all requirements needed for optimum operation.				
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)         Supplying lubrication system and its oil that using for this gearing and definition         the type specification and quantity for it         Gear rim spring(Mark 1557/2660 2.050993)         Supply all the gearing covers         Plaint bolt without head , (Ø 100*470 mm),(Mcrk 100*470 460961-A)         Stop ring for plaint bolt (Mark 100*160*28)         Scraper plate of rubber for gear rim (Mark L=100 973972)         Shaft (Mark 3.041911),with ,         1 parallel key ,90*45*630mm         4 parallel key ,90*45*630mm         4 parallel key ,70*36*470mm         2 bexagon socket head cap screws,M16*40mm         2 hexagon socket head cap screws,M16*52)         Plummer block, complete, with roller bearing (Mark 910653)         Various parts for Plummer blocks :         Roller bearing SKF (Mark 24164 CA)         Supply all requirements needed for optimum operation.				T
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)         Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it Gear rim spring(Mark 1557/2660 2.050993)         Supply all the gearing covers         Plaint bolt without head , (Ø100*470 mm],(Mork 100*470 460961-A)         Stop ring for plaint bolt (Mark 100*160*28)         Scraper plate of rubber for gear rim (Mark L=100 973972)         Shaft (Mark 3.041911),with, 1 parallel key, 90*45*630mm 4 parallel key, 70*36*470mm 2hexagon socket head cap screws,M16*40mm         Plummer block, complete, with roller bearing (Mark 910652)         Plummer block, complete, with roller bearing (Mark 910653)         Various parts for Plummer blocks : Roller bearing SKF (Mark 24164 CA) Seal ring of rubber (Mark 1-1200 893868)         Oil gauge(Mark 1-780345) Air filter (Mark 4.007067)				
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)         Supplying lubrication system and its oil that using for this gearing and definition         the type specification and quantity for it         Gear rim spring(Mark 1557/2660 2.050993)         Supply all the gearing covers         Plaint bolt without head , (Ø100*470 mm),(Mork 100*470 460961-A)         Stop ring for plaint bolt (Mark 100*160*28)         Scraper plate of rubber for gear rim (Mark L=100 973972)         Shaft (Mark 3.041911),with,         1 parallel key, 70*36*470mm         4 parallel key, 70*36*470mm         2 hexagon socket head cap screws,M20*50mm         8 hexagon socket head cap screws,M16*40mm         Plummer block, complete, with roller bearing (Mark 910652)         Plummer block, complete, with roller bearing (Mark 910653)         Various parts for Plummer blocks :         Roller bearing SKF (Mark 24164 CA)         Seal ring of rubber (Mark 1–1200 893868)         Oil gauge(Mark 1–780345)		4	Air filter (Mark 4.007067)	
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)         Supplying lubrication system and its oil that using for this gearing and definition         the type specification and quantity for it         Gear rim spring(Mark 1557/2660 2.050993)         Supply all the gearing covers         Plaint bolt without head , (Ø 100*470 mm),(Mark 100*470 460961-A)         Stop ring for plaint bolt (Mark 100*160*28)         Scraper plate of rubber for gear rim (Mark L=100 973972)         Shaft (Mark 3.041911),with ,         1 parallel key ,90*45*630mm         4 parallel key ,70*36*470mm         2 hexagon socket head cap screws,M20*50mm         8 hexagon socket head cap screws,M16*40mm         Plummer block, complete, with roller bearing (Mark 910652)         Plummer block, complete, with roller bearing (Mark 910653)         Various parts for Plummer blocks :         Roller bearing SKF (Mark 24164 CA)         Seal ring of rubber (Mark 1=1200 803860)		8	Oil gauge(Mark 1-780345)	
<ul> <li>With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)</li> <li>Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it</li> <li>Gear rim spring(Mark 1557/2660 2.050993)</li> <li>Supply all the gearing covers</li> <li>Plaint bolt without head , (Ø100*470 mm),(Mork 100*470 460961-A)</li> <li>Stop ring for plaint bolt (Mark 100*160*28)</li> <li>Scraper plate of rubber for gear rim (Mark L=100 973972)</li> <li>Shaft (Mark 3.041911),with , <ol> <li>1 parallel key ,90*45*630mm</li> <li>4 parallel key ,90*36*470mm</li> <li>Plummer block, complete, with roller bearing (Mark 910652)</li> </ol> </li> <li>Plummer block, complete, with roller bearing (Mark 910653)</li> <li>Various parts for Plummer blocks : Roller bearing SKF (Mark 201665)</li></ul>		12		
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)         Supplying lubrication system and its oil that using for this gearing and definition         the type specification and quantity for it         Gear rim spring(Mark 1557/2660 2.050993)         Supply all the gearing covers         Plaint bolt without head , (Ø100*470 mm),(Mcrk 100*470 460961-A)         Stop ring for plaint bolt (Mark 100*160*28)         Scraper plate of rubber for gear rim (Mark L=100 973972)         Shaft (Mark 3.041911),with ,         1 parallel key ,90*45*630mm         4 parallel key ,70*36*470mm         2hexagon socket head cap screws,M20*50mm         8 hexagon socket head cap screws,M16*40mm         Plummer block, complete, with roller bearing (Mark 910652)		4	Roller bearing SKF (Mark 24164 CA)	
<ul> <li>With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)</li> <li>Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it</li> <li>Gear rim spring(Mark 1557/2660 2.050993)</li> <li>Supply all the gearing covers</li> <li>Plaint bolt without head , (Ø100*470 mm),(Mark 100*470 460961-A)</li> <li>Stop ring for plaint bolt (Mark 100*160*28)</li> <li>Scraper plate of rubber for gear rim (Mark L=100 973972)</li> <li>Shaft (Mark 3.041911),with, <ol> <li>1 parallel key ,90*45*630mm</li> <li>2 hexagon socket head cap screws,M20*50mm</li> <li>8 hexagon socket head cap screws,M16*40mm</li> </ol> </li> </ul>		2		
<ul> <li>With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)</li> <li>Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it</li> <li>Gear rim spring(Mark 1557/2660 2.050993)</li> <li>Supply all the gearing covers</li> <li>Plaint bolt without head , (Ø100*470 mm),(Mork 100*470 460961-A)</li> <li>Stop ring for plaint bolt (Mark 100*160*28)</li> <li>Scraper plate of rubber for gear rim (Mark L=100 973972)</li> <li>Shaft (Mark 3.041911),with , <ol> <li>parallel key ,90*45*630mm</li> <li>parallel key ,90*45*630mm</li> <li>hexagon socket head cap screws,M16*40mm</li> </ol> </li> </ul>		2		
<ul> <li>With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)</li> <li>Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it</li> <li>Gear rim spring(Mark 1557/2660 2.050993)</li> <li>Supply all the gearing covers</li> <li>Plaint bolt without head , (Ø 100*470 mm), (Mork 100*470 460961-A)</li> <li>Stop ring for plaint bolt (Mark 100*160*28)</li> <li>Scraper plate of rubber for gear rim (Mark L=100 973972)</li> <li>Shaft (Mark 3.041911), with , <ol> <li>parallel key ,90*45*630mm</li> <li>parallel key ,70*36*470mm</li> </ol> </li> </ul>		B	Plummer block comr	
<ul> <li>With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)</li> <li>Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it</li> <li>Gear rim spring(Mark 1557/2660 2.050993)</li> <li>Supply all the gearing covers</li> <li>Plaint bolt without head , (Ø100*470 mm),(Mcrk 100*470 460961-A)</li> <li>Stop ring for plaint bolt (Mark 100*160*28)</li> <li>Scraper plate of rubber for gear rim (Mark L=100 973972)</li> <li>Shaft (Mark 3.041911), with , <ol> <li>parallel key ,90*45*630mm</li> <li>parallel key,70*36*470mm</li> </ol> </li> </ul>			2 hexagon socket head cap screws, M20*50mm	
<ul> <li>With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)</li> <li>Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it</li> <li>Gear rim spring(Mark 1557/2660 2.050993)</li> <li>Supply all the gearing covers</li> <li>Plaint bolt without head , (Ø100*470 mm),(Mcrk 100*470 460961-A)</li> <li>Stop ring for plaint bolt (Mark 100*160*28)</li> <li>Seraper plate of rubber for gear rim (Mark L=100 973972)</li> <li>Shaft (Mark 3.041911), with ,</li> </ul>				
<ul> <li>With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)</li> <li>Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it</li> <li>Gear rim spring(Mark 1557/2660 2.050993)</li> <li>Supply all the gearing covers</li> <li>Plaint bolt without head , (Ø100*470 mm),(Mork 100*470 460961-A)</li> <li>Stop ring for plaint bolt (Mark 100*160*28)</li> <li>Scraper plate of rubber for gear rim (Mark L=100 973972)</li> </ul>			Juan (Iviaik 3.041911), With ,	
<ul> <li>With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)</li> <li>Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it</li> <li>Gear rim spring(Mark 1557/2660 2.050993)</li> <li>Supply all the gearing covers</li> <li>Plaint bolt without head , (Ø100*470 mm), (Mork 100*470 460961-A)</li> <li>Stop ring for plaint bolt (Mark 100*160*28)</li> </ul>		2		
<ul> <li>With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)</li> <li>Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it</li> <li>Gear rim spring(Mark 1557/2660 2.050993)</li> <li>Supply all the gearing-covers</li> <li>Plaint bolt without head , (Ø100*470 mm), (Mcrk 100*470 460961-A)</li> </ul>		24		
<ul> <li>With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)</li> <li>Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it</li> <li>Gear rim spring(Mark 1557/2660 2.050993)</li> <li>Supply all the gearing covers</li> </ul>		_		1
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691) Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it Gear rim spring(Mark 1557/2660 2.050993)				
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691) Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it		12	-	
With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)		tion		
			With 8 tight-fitting bolts, each with 2 nuts(Mark 922691)	
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shell under the girth gear for kufa cement plant IT.NO SPECIFICATION QTY Supply and installation gearing of kiln with accessories and kiln shell under the girth gear as complete (assembly) for kiln no. (2) as :kiln shell under the gear of, inner dia.=5250mm, Outer dia =5320mm, L=2850mm, material (St37-2 boiler plate) welded with the old 1 kiln shell and complete(assembly) installation with Gearing 1 Gearing specification of (Manufacture No.997366), as catalogs attachment consist of:-Pinion of Cr-Mo-cast steel ,with 19 teeth , bore=410mm (Mark kv-543 2.050934) 2 2 Gear rim of cast steel as helical gear consist of two parts ,split,196teeth,(Mark kv-618 1.027634) 3 With 8 tight-fitting bolts, each with 2 nuts(Mark 922691) 1 Supplying lubrication system and its oil that using for this gearing and definition the type specification and quantity for it 4 1 Gear rim spring(Mark 1557/2660 2.050993) 5 12 Supply all the gearing covers 6 1 Plaint bolt without head, (Ø100\*470 mm), (Mark 100\*470 460961-A) 7 12 Stop ring for plaint bolt (Mark 100\*160\*28) 8 24 Scraper plate of rubber for gear rim (Mark L=100 973972) 9 2 Shaft (Mark 3.041911), with , 1 parallel key ,90\*45\*630mm 10 4 parallel key,70\*36\*470mm 2hexagon socket head cap screws,M20\*50mm 2 8 hexagon socket head cap screws, M16\*40mm Plummer block, complete, with roller bearing (Mark 910652) 11 2 Plummer block, complete, with roller bearing (Mark 910653) 12 2 7 ير فاحمة شار

2 Tender NO: ( 1A/T/SOC-1/2020)Supply and installation gearing of kiln no(2) with accessories and kiln

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÷	Various parts for Plummer blocks : Roller bearing SKF (Mark 24164 CA) Seal ring of rubber (Mark L=1200 893868) Oil gauge(Mark 1-780345) Air filter (Mark 4.007067)	2
13		8
14	Supply all requirements needed for optimum operation.	2
15	All Marks of above parts from (F.L.SMIDTH CO.) With all catalogs and spare parts lest, charts, maintenance and lubrication, method, est.	
16	Supply all document and drawings	
17	Data of rotary Unax cement kiln:- - L= 175m - Outer diameter = 5320 mm (site of gears) - Capacity = 1500 t/day - Speed = (0.3 - 1.5) r.p.m - Main motor power = 410 KW, DC(no.of motors=2) TWO side Drive	
18	<b>Dimensions :-</b> All dimensions take in site by the supplier and manufacturing is done according.	
19	Installation :-         All installation in site of AL-Kufa plant on supplier company include :-         - Disassemble and remove all old part of gearing and its accessories with         its         kiln shell under the gear.         - Installation the kiln shell by welding on the old kiln shell.         - installation girth gear on new kiln shell with accessories         - To do all gearing process which lead to optimum operating( contact , vibration and noiseetc. )	
20	Supply period for this gearing and all equipment and accessories is five months and The installation period shall be two months after the arrival to the warehouses of the plant and the issuance of the certificate of technical conformity	đ
21	Western origin	
22	Warranty one year on full load and first start from successful test operation.	
23	Training: four engineers to installation in the country of manufacture	
7	All mi	

## Y- Drawing

ame Of Drawing		Purpose
	as danu"	
	no drawings	
State of the state		no drawings

## ٤- Test And Engineering Inspection

## The Following Tests And Engineering Inspection will be executed (Fill in the schedule of tests and engineering inspections)

List of Inspections and Tests
Provide inspection certificated showing and insure the following
gearing process which lead for optimum operating
All dimensions, metal type, and hardness(for gears)
D mension and metal type for kiln shell under gear

بين اقدم Ś اس نعدة هادي 15

A-7

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