This questionnaire is designed for the preparation of technical and commercial proposals of slewing jib cranes.

In order to build up a product, satisfying all of your requirements, please fill questionnaire in detail.

Characteristics for which you do not set a value in the questionnaire, will be determined by ISKAR.

The completed questionnaire can be sent by e-mail to: iskarltd@iskarltd.com

If, after sending us a completed questionnaire, you will need to add additional information, we are ready to consider them and to present you the technical and commercial offers accordingly.

Information about you:

Name of company	
Address	
The contact person	
Phone (with area code)	
E-mail	

QUESTIONNAIRE FOR SLEWING JIB CRANE

(please fill in the boxes)

1	**Crane duty**	port duty		**port duty**
		installation - dockyard duty		
2	**Crane & Mechanisms**			
2.1.	**Drive type**	electric		**X**
		hydraulic		
2.2.	**Group specs of structure and mechanisms in according to F.E.M.**			
2.2.1.	Crane in general (A3-A8)			**A__**
2.2.2.	Main hoist mechanism as a whole (M3-M8)			**M__**
2.2.3.	Auxiliary lifting system (M3-M6)			**M__**
2.2.4.	Luffing mechanism (M3-M6)			**M__**
2.2.5.	Slewing mechanism (M3-M8)			**M__**
2.2.6.	Travelling mechanism (M4-M6)			**M__**
2.2.7.	Others			**M__**
2.3.	**Main hoist mechanism (see figure)**			
2.3.1.	Load capacity, t	max	Qmax	
		at max outreach	QR	
		in clamshell (grab) mode	Qg	
2.3.2.	Crane jib, m	max outreach	Rmax	
		min outreach	Rmin	
			RQ	
2.3.3.	Lifting height (above rail), m		H	
2.3.4.	Lowering depth (below rail), m		B	
2.4.	**Auxiliary lifting mechanism (see figure)**			
2.4.1.	Load capacity, t		Q	
2.4.2.	Outreaches, m	max outreach	rmax	
		min outreach	rmin	
2.4.3.	Lifting height (above rail), m		H	
2.4.4.	Lowering depth (below rail), m		B	

2.5.	**Rail Span, m**		**S**	
2.6.	**Free height under portal, m**		**B**	
2.7.	**Crane dimension along the rails (with uncompressed buffers), m**		**F**	
2.8.	**Slewing system**	with slewing bearing		**X**
		thrust bearing with slewing column		
2.9.	**Type of jib**	single		**X**
		double-articulated		
2.10.	**The degree of rotation**			
2.10.1.	Slewing upper structure	full circle (360°)		**X**
		(±90°/±180°/±270°)		
		other		
2.11.	**Speeds**			
2.11.1.	Main hoist mechanism, m/min		Vmh	
2.11.2.	Aux lifting mechanism, m/min		Vah	
2.11.3.	Luffing mechanism, m/min (average)		Vluf	
2.11.4.	Slewing mechanism, rev/min		nslew	
2.11.5.	Rotation of the lifting attachment required		(Y/N)	
2.11.6.	Travelling speed, m/min		Vtr	
2.11.7.	Other		V_{ot}	
2.12.	**Machine house tail radius**		Ro	
2.13.	**Type of crane rail**	sea side		
		land side		
2.14.	**Maximum allowed wheel load, kN**			

3	**Environmental conditions**		
3.1.	**Ambient temperature (from / to), C°**		
3.2.	**Wind**		
3.2.1.	Max wind speed, m/sec	in operation	
		out of operation	
3.3.	**Seismicity of area of installation**		
3.4.	**Dustiness**		
3.4.1.	Kind of dust (material)		
3.4.2.	Density, mg/m3		
3.5.	**Other special conditions**		
4.	**Type of Operation**	service warehouse	
		loading/railway stock	
		assembly/installation	
		loading vehicles	
		loading/unloading ships	**X**
		other	
5	**Characteristics of the goods**		
5.1.	**Material to be handled**		
		bulk	
		piece	
5.2.	**Piece packages or cargo type 1 (name)**		
5.2.1.	Max weight lifting, t		
5.2.2.	Max dimensions, mm/mm/mm	…. / …. / ….	
5.2.3.	Other		

5.3.	**Piece packages or cargo type 2 (name)**		
5.3.1.	Max weight lifting, t		
5.3.2.	Max dimensions, mm/mm/mm	…. / …. / ….	
5.3.3.	Other		
5.4.	**Bulk Type 1**		
5.4.1.	Product name		
5.4.2.	Condition of goods (normal, consolidated, packed, pieces, fiber, etc.)		
5.4.3.	Density, t/m3		
5.4.4.	Other		
5.5.	**Bulk Type 2**		
5.5.1.	Product name		
5.5.2.	Condition of goods (normal, consolidated, packed, pieces, fiber, etc.)		
5.5.3.	Density, t/m3		
5.5.4.	Other		

6 The type and characteristics of the lifting system

6.1.	**Hooks**	main hoist type	single hook	
			ramshorn	
		aux hoist type	single hook	
			ramshorn	
6.2.	**Grab**		Grab / Clamshell / Orange Peel	
			Attached to rope ends / Attached to hook	
			Manual / Electric / Hydraulic	
			One Rope / Two Rope / Four Rope	
			Geometric capacity, m3	

7 Power supply

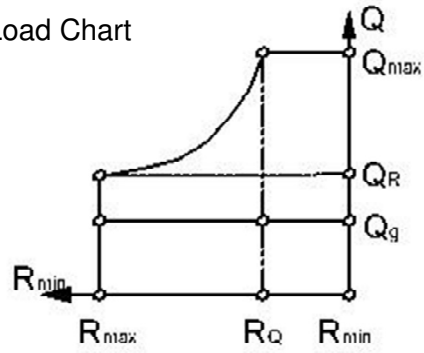
via cable / cable reel	
via generator/transformer	
voltage	
frequency	
phases / earth	

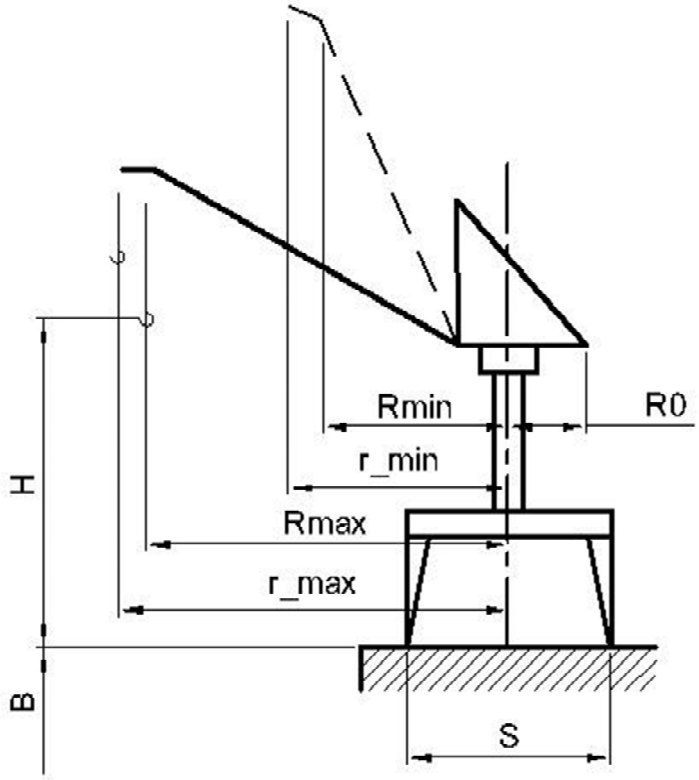
8 Customers Special Requirements

9 Color RAL Code

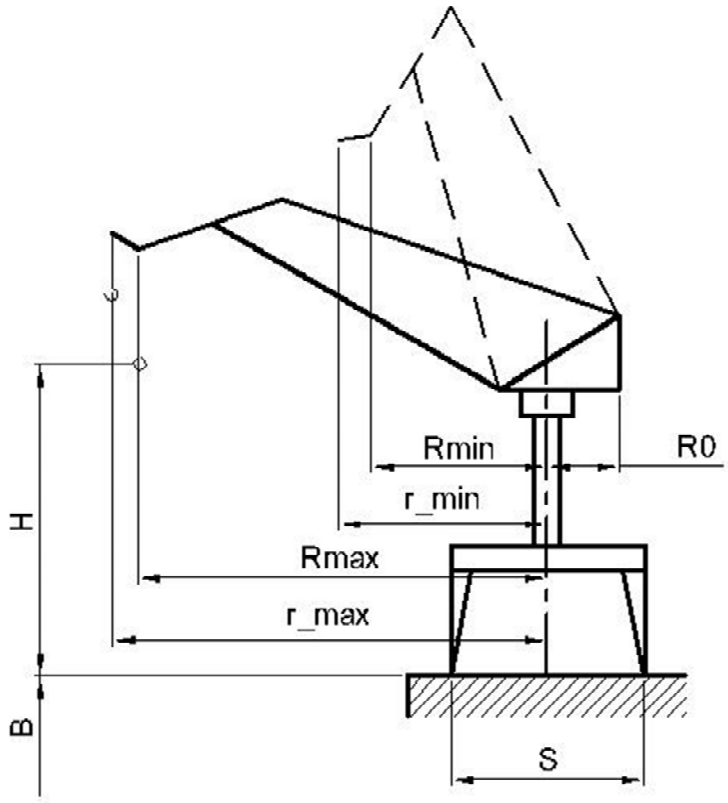
10 Additional technical requirements

Load Chart





Single Jib



Double / Articulated Jib