
 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض							
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							
	MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES							
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	ME	DT	0027	D05
شماره صفحه: ۱ از ۱۸								

طرح نگهداشت و افزایش تولید ۲۷ مخزن

MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES

نگهداشت و افزایش تولید میدان نفتی بینک

D05	FEB.2025	AFC	V.Amjadi	M.Fakharian	S.Faramarzpour	
D04	MAR.2024	AFC	H.Ghadyani	M.Fakharian	S.Faramarzpour	
D03	JUN. 2022	AFC	H. Adineh	M.Fakharian	M.Mehrshad	
D02	APR. 2022	IFA	H. Adineh	M.Fakharian	M.Mehrshad	
D01	MAR. 2022	IFA	H. Adineh	M.Fakharian	M.Mehrshad	
D00	FEB. 2022	IFC	H. Adineh	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 1

CLIENT Doc. Number: F0Z-708858

IDC: Inter-Discipline Check

IFC: Issued For Comment

IFA: Issued For Approval

AFD: Approved For Design

AFC: Approved For Construction



AFP: Approved For Purchase

AFQ: Approved For Quotation

IFI: Issued For Information


AB-R: As-Built for CLIENT Review

AB-A: As-Built –Approved

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض								
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادرکننده PEDCO	تهيلاات 120	رشته ME	نوع مدرک DT	سریال 0027	نسخه D05	شماره صفحه: ۱۸ از ۲

REVISION RECORD SHEET




Page	D00	D01	D02	D03	D04	D05	Page	D00	D01	D02	D03	D04
1	X	X	X	X	X	X	65					
2	X	X	X	X	X	X	66					
3	X	X			X	X	67					
4	X	X				X	68					
5	X						69					
6	X						70					
7	X	X		X		X	71					
8	X						72					
9	X						73					
10	X	X		X		X	74					
11	X						75					
12	X						76					
13	X	X				X	77					
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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدرک		سریال
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	ME	DT	0027	D05	شماره صفحه: ۱۸ از ۳

General Notes	
1.	The Asterisk * denotes information and/or confirmation required from VENDOR.
2.	All mechanical and electrical equipment shall be inspected and tested at manufacturer's workshop in accordance with ITP which shall be provided by VENDOR & approved by purchaser.
3.	The crane shall be guaranteed for satisfactory performance for the rated working capacity, maximum lifting and other motion limitation.
4.	The crane manufacturer representative shall be informed about the installation location before any crane manufacturing activity.
5.	VENDOR shall supply the required spare parts for pre-commissioning, commissioning, start-up and 2-year normal operation. Also all special tools required for the operation and maintenance of the crane shall be supplied by VENDOR.
6.	For Max Voltage Variation and Max Frequency Variation, refer to "Specification For LV Induction Motors" Doc. No. BK-GNRAL-PEDCO-000-EL-SP-0010.
7.	Maximum allowable sound pressure level shall be limited to 85 dBA. For allowable noise level refer to IPS-G-SF-900(1); General standard for noise control and vibration and mechanical design criteria; BK-GNRAL-PEDCO-000-ME-DC-0001.
8.	Inspection and testing of cranes shall be performed as per IPS-I-GN-350.
9.	The paint of crane's structure shall be resistant to chemical corrosion.
10.	The crane shall be designed with facilities for easy inspection and maintenance. Filling and drain plugs on gear boxes shall be easily accessible and to be provided with the necessary means to avoid spillage.
11.	Easy access shall be provided for brake adjustment and replacement and the required ladder for access to crane shall be provided by crane vendor.
12.	The electrical power supply to the trolley and end carriages should be realized by festooned cable supplied complete with all suspension accessories and pay-out system.
13.	Maximum ambient temperature: 50°C, Minimum ambient temperature: 5°C, Maximum steel surface temperature exposed to sun: 85°C Under roof installed crane motors, shall be rated and designed for 5 / 52°C.
14.	Site conditions shall be considered by vendor for selecting the proper material. For site conditions refer to process basis of design document; Doc.No: BK-GNRAL-PEDCO-000-PR-DB-0001.
15.	Specification for Electrical Requirements of Packaged Units (BK-GNRAL-PEDCO-000-EL-SP-0011) shall be considered by vendor for electrical concerns, also Data Sheets for all LV Induction Motors (BK-GCS-PEDCO-120-EL-DT-0008) shall be filled and submitted by vendor.






 D05

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض							 HIRGAN ENERGY 
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							
	MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES							
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	ME	DT	0027	D05
شماره صفحه: ۴ از ۱۸								

Main Comp. Shelter Crane (CR-101) / sheet 1 of 3

FOR:	NISOC			TYPE:	OVERHEAD TRAVELING CRANE		
SITE:	IRAN-BUSHEHR (BINAK GCS)			TAG NO. / NO. REQ.:	CR-101		
APPLICABLE STANDARD: IPS-M-GN-350(2) & VENDOR'S STANDARDS				INSTALLATION LOCATION.:		MAIN COMPRESSORS SHELTER CRANE	
NOTE: <input type="radio"/> INDICATES INFORMATION TO BE COMPLETED BY PURCHASER <input type="checkbox"/> BY VENDOR							
CRANE TYPE: <input checked="" type="radio"/> TOP RUNNING <input type="radio"/> UNDERHUNG <input type="radio"/> OTHER (Monorail)							
<input type="radio"/> CAPACITY: 10000 kg <input type="radio"/> SPAN: 12.00 m <input type="radio"/> LIFT: 7 m <input type="radio"/> TRAVEL: 72.00 m							
ENVIRONMENT:							
CRANE LOCATION: <input checked="" type="radio"/> UNDER SHELTER, <input type="radio"/> OUTDOOR, <input type="radio"/> BOTH							
TEMPERATURE: <input type="radio"/> Min. 5.0 °C <input type="radio"/> Max. 50.0 °C RELAT. HUMIDITY: <input type="radio"/> Min. 0 % <input type="radio"/> Max 100 %							
(Note 13) <input type="radio"/> SEISMIC ZONE <input type="radio"/> WIND DESIGN SPEED Km/h							
HAZARDOUS AREA : <input checked="" type="radio"/> YES <input type="radio"/> NO IF YES, SPECIFY CLASS T3 ZONE 2 GROUP IIA							
ELECTRICAL ENCLOSURE TYPE: NEMA UNUSUAL CONDITIONS (DUST, FUMES, ETC.) EXPLAIN							
PLANT UTILITIES: <input checked="" type="radio"/> ELECTRICITY, 3 PHASE 50 Hz CYCLE 400 VOLTS, <input type="radio"/> AIR							
CRANE MOTION: ELECTRICAL AIR MANUAL SPEED (m/min.)							
MAIN HOIST • • • • •							
TROLLEY • • • • •							
BRIDGE • • • • •							
CONTROL: <input type="radio"/> TYPE							
CONTROL LOCATION: <input type="radio"/> CABIN (CAB), <input type="radio"/> FLOOR, <input checked="" type="radio"/> PENDANT STATION, <input type="radio"/> OTHER							
POWER DISTRIBUTION: TO TROLLEY SHALL BE SUPPLIED BY VENDOR • YES <input type="radio"/> NO							
TO BRIDGE SHALL BE FURNISHED BY VENDOR • YES <input type="radio"/> NO							
BRIDGE TROLLEY							
RUNWAY COLLECTORS <input type="checkbox"/> <input type="checkbox"/>							
RUNWAY CONDUCTORS <input type="checkbox"/> <input type="checkbox"/>							
CABLE REEL <input type="radio"/> <input type="radio"/>							
FESTOONED CABLE <input type="radio"/> <input type="radio"/>							
REMARKS:							
To be continued							



 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 	
	MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT	سریال 0027	نسخه D05	شماره صفحه: ۱۸ از ۵

Main Comp. Shelter Crane (CR-101) / sheet 2 of 3



ITEMS TO BE SUPPLIED BY VENDOR: *			
<input type="radio"/> SURFACE PREPARATION	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> OTHER
<input checked="" type="radio"/> PAINTING, PRIME PAINT REQUIRED	<input checked="" type="radio"/> FINISH PAINT REQUIRED		
<input type="radio"/> BUMPER STOPS FOR BRIDGE			
<input checked="" type="radio"/> BUMPER STOPS FOR TROLLEY			
<input type="radio"/> SWEEPERS FOR BRIDGE AND TROLLEY			
<input type="radio"/> SINGLE POINT LUBRICATION SYSTEM			
<input type="radio"/> MAINTENANCE & SERVICE PLATFORMS			
<input type="radio"/> SPARK RESISTANT CONSTRUCTION			

DATA BY VENDOR (MUST BE COMPLETED AND RETURNED WITH QUOTATION)


CRANE MANUFACTURER :		
BRIDGE: *		
NUMBER OF GIRDERS:	TYPE:	SIZE:
BRIDGE DRIVER TYPE:	GEAR REDUCER MANUFACTURER:	
NO. OF REDUCTION:	GEARS TYPE:	ENCLOSURE:
LUBRICATION TYPE:		
BRIDGE BRAKE (IF REQUIRED) TYPE:	TORQUE RATING:	MFG.:
TROLLEY: *		
TROLLEY FRAME CONSTRUCTION:	TYPE:	SIZE:
TROLLEY TRUCKS TYPE:	NO. OF WHEELS:	WHEEL DIAMETER:
WHEEL MATERIAL:	TREAD HARDNESS:	TREAD TYPE:
WHEEL BEARING TYPE:	BEARING MFG:	LIFE:
TROLLEY DRIVE TYPE:	GEAR REDUCER MFG:	
NO. OF REDUCTIONS:	GEAR TYPE:	ENCLOSURE:
LUBRICATION TYPE:		
TROLLEY BRAKE (IF REQUIRED) TYPE:	TORQUE RATING:	MFG.:
SIZE OF TROLLEY RAILS:		
REMARKS:		
To be continued		



 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض								
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تجهیزات 120	رشته ME	نوع مدرک DT	سریال 0027	نسخه D05	شماره صفحه: ۱۸ از ۶

HOIST *					
MANUFACTURE:		MODEL NO.:		CAPACITY:	
DRUM DIAMETER:		MATERIAL:			
HOIST TYPE:		GEAR REDUCER MFG.:			
NO. OF REDUCTIONS:		GEAR TYPE:		ENCLOSURE:	
TYPE LUBRICATION:					
WIRE ROPE DIAMETER:		CONSTRUCTION:		CORE:	
NO. OF PARTS SUPPORTING LOAD:		TYPE:			
DIAMETER OF SHEAVES:		MATERIAL:			
LOAD BRAKE TYPE:		MFG.:		TORQUE RATING:	
MOTOR BRAKE TYPE:		MFG.:		TORQUE RATING:	
HOOK TYPE:		MATERIAL:			
LIMIT SWITCHES: (YES OR NO) UPPER:		LOWER:		TYPE: MFG.:	
VENDOR RECOMMENDED BRIDGE RAIL SIZE:		(Kg/M), FIELD ASSEMBLY:		<input type="checkbox"/> WELDED <input type="checkbox"/> BOLTED	
ESTIMATED SHIPPING WEIGHT:		(Kg.) AND CUBAGE:		(M3)	
REMARKS: DRAWING SHOWING OVERALL DIMENSIONS & CLEARANCES SHALL BE SUBMITTED WITH QUOTATION.					

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض								
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تجهیزات 120	رشته ME	نوع مدرک DT	سریال 0027	نسخه D05	شماره صفحه: ۱۸ از ۱۷

Utility Shelter Crane (CR-102) / sheet 1 of 3

FOR:	NISOC				TYPE:	OVERHEAD TRAVELING CRANE			
SITE:	IRAN-BUSHEHR (BINAK GCS)				TAG NO. / NO. REQ.:	CR-102			
APPLICABLE STANDARD: IPS-M-GN-350 (2) & VENDOR'S STANDARDS					INSTALLATION LOCATION.:		UTILITY SHELTER CRANE		
NOTE: <input type="radio"/> INDICATES INFORMATION TO BE COMPLETED BY PURCHASER <input type="checkbox"/> BY VENDOR									
CRANE TYPE: <input checked="" type="radio"/> TOP RUNNING <input type="radio"/> UNDERHUNG <input type="radio"/> OTHER (Monorail)									
<input type="radio"/> CAPACITY: 2000 kg <input type="radio"/> SPAN: 12.00 m <input type="radio"/> LIFT: 5  m <input type="radio"/> TRAVEL: 14.00 m									
ENVIRONMENT:									
CRANE LOCATION: <input checked="" type="radio"/> UNDER SHELTER, <input type="radio"/> OUTDOOR, <input type="radio"/> BOTH									
TEMPERATURE: <input type="radio"/> Min. 5.0 °C <input type="radio"/> Max. 50.0 °C RELAT. HUMIDITY: <input type="radio"/> Min. 0 % <input type="radio"/> Max 100 % (Note 13) <input type="radio"/> SEISMIC ZONE <input type="radio"/> WIND DESIGN SPEED Km/h									
HAZARDOUS AREA : <input type="radio"/> YES <input checked="" type="radio"/> NO IF YES, SPECIFY CLASS ZONE GROUP									
ELECTRICAL ENCLOSURE TYPE: NONE UNUSUAL CONDITIONS (DUST, FUMES, ETC.) EXPLAIN									
PLANT UTILITIES: <input type="radio"/> ELECTRICITY, PHASE CYCLE VOLTS, <input type="radio"/> AIR									
CRANE MOTION: ELECTRICAL AIR MANUAL SPEED (m/min.) MAIN HOIST <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> TROLLEY <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> BRIDGE <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>									
CONTROL: <input type="radio"/> TYPE									
CONTROL LOCATION: <input type="radio"/> CABIN (CAB), <input type="radio"/> FLOOR, <input checked="" type="radio"/> PENDANT STATION, <input type="radio"/> OTHER									
POWER DISTRIBUTION: TO TROLLEY SHALL BE SUPPLIED BY VENDOR <input checked="" type="radio"/> YES <input type="radio"/> NO									
TO BRIDGE SHALL BE FURNISHED BY VENDOR <input checked="" type="radio"/> YES <input type="radio"/> NO									
BRIDGE TROLLEY RUNWAY COLLECTORS <input type="checkbox"/> <input type="checkbox"/> RUNWAY CONDUCTORS <input type="checkbox"/> <input type="checkbox"/> CABLE REEL <input type="radio"/> <input type="radio"/> FESTOONED CABLE <input type="radio"/> <input type="radio"/>									
REMARKS:									
To be continued									



 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
	شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT		سریال 0027

Utility Shelter Crane (CR-102) / sheet 2 of 3

ITEMS TO BE SUPPLIED BY VENDOR: *			
<input type="radio"/> SURFACE PREPARATION	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> OTHER
<input checked="" type="radio"/> PAINTING, PRIME PAINT REQUIRED	<input checked="" type="radio"/> FINISH PAINT REQUIRED		
<input type="radio"/> BUMPER STOPS FOR BRIDGE			
<input checked="" type="radio"/> BUMPER STOPS FOR TROLLEY			
<input type="radio"/> SWEEPERS FOR BRIDGE AND TROLLEY			
<input type="radio"/> SINGLE POINT LUBRICATION SYSTEM			
<input type="radio"/> MAINTENANCE & SERVICE PLATFORMS			
<input type="radio"/> SPARK RESISTANT CONSTRUCTION			




DATA BY VENDOR (MUST BE COMPLETED AND RETURNED WITH QUOTATION)		
CRANE MANUFACTURER :		
BRIDGE: *		
NUMBER OF GIRDERS:	TYPE:	SIZE:
BRIDGE DRIVER TYPE:	GEAR REDUCER MANUFACTURER:	
NO. OF REDUCTION:	GEARS TYPE:	ENCLOSURE:
LUBRICATION TYPE:		
BRIDGE BRAKE (IF REQUIRED) TYPE:	TORQUE RATING:	MFG.:
TROLLEY: *		
TROLLEY FRAME CONSTRUCTION:	TYPE:	SIZE:
TROLLEY TRUCKS TYPE:	NO. OF WHEELS:	WHEEL DIAMETER:
WHEEL MATERIAL:	TREAD HARDNESS:	TREAD TYPE:
WHEEL BEARING TYPE:	BEARING MFG:	LIFE:
TROLLEY DRIVE TYPE:	GEAR REDUCER MFG:	
NO. OF REDUCTIONS:	GEAR TYPE:	ENCLOSURE:
LUBRICATION TYPE:		
TROLLEY BRAKE (IF REQUIRED) TYPE:	TORQUE RATING:	MFG.:
SIZE OF TROLLEY RAILS:		
REMARKS:		

To be continued


 NISOC	تجهیزات و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT	سریال 0027	نسخه D05	شماره صفحه: ۹ از ۱۸



Utility Shelter Crane (CR-102) / sheet 3 of 3

HOIST *					
MANUFACTURE:		MODEL NO.:		CAPACITY:	
DRUM DIAMETER:		MATERIAL:			
HOIST TYPE:		GEAR REDUCER MFG.:			
NO. OF REDUCTIONS:		GEAR TYPE:		ENCLOSURE:	
TYPE LUBRICATION:					
WIRE ROPE DIAMETER:		CONSTRUCTION:		CORE:	
NO. OF PARTS SUPPORTING LOAD:		TYPE:			
DIAMETER OF SHEAVES:		MATERIAL:			
LOAD BRAKE TYPE:		MFG.:		TORQUE RATING:	
MOTOR BRAKE TYPE:		MFG.:		TORQUE RATING:	
HOOK TYPE:		MATERIAL:			
LIMIT SWITCHES: (YES OR NO) UPPER:		LOWER:		TYPE: MFG.:	
VENDOR RECOMMENDED BRIDGE RAIL SIZE:		(Kg/M), FIELD ASSEMBLY:		<input type="checkbox"/> WELDED <input type="checkbox"/> BOLTED	
ESTIMATED SHIPPING WEIGHT:		(Kg.) AND CUBAGE:		(M3)	
REMARKS: DRAWING SHOWING OVERALL DIMENSIONS & CLEARANCES SHALL BE SUBMITTED WITH QUOTATION.					

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 	
	MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT	سریال 0027	نسخه D05	شماره صفحه: ۱۰ از ۱۸

Chemical Inj. Pack. & Chemical Storage Shelter Crane (CR-103) / sheet 1 of 3

FOR:	NISOC			TYPE:	OVERHEAD TRAVELING CRANE																	
SITE:	IRAN-BUSHEHR (BINAK GCS)			TAG NO. / NO. REQ.:	CR-103																	
APPLICABLE STANDARD: IPS-M-GN-350 (2) & VENDOR'S STANDARDS				INSTALLATION LOCATION.:		Chemical Inj. Pack. & Chemical Storage Shelter Crane																
NOTE: <input type="radio"/> INDICATES INFORMATION TO BE COMPLETED BY PURCHASER <input type="checkbox"/> BY VENDOR																						
CRANE TYPE: <input checked="" type="radio"/> TOP RUNNING <input type="radio"/> UNDERHUNG <input type="radio"/> OTHER (Monorail)																						
<input type="radio"/> CAPACITY: 2000 kg <input type="radio"/> SPAN 5.00 m <input type="radio"/> LIFT 5  m <input type="radio"/> TRAVEL 10.00 m																						
ENVIRONMENT:																						
CRANE LOCATION: <input checked="" type="radio"/> UNDER SHELTER, <input type="radio"/> OUTDOOR, <input type="radio"/> BOTH																						
TEMPERATURE: <input type="radio"/> Min. 5.0 °C <input type="radio"/> Max. 50.0 °C RELAT. HUMIDITY: <input type="radio"/> Min. 0 % <input type="radio"/> Max 100 % (Note 13) <input type="radio"/> SEISMIC ZONE <input type="radio"/> WIND DESIGN SPEED Km/h																						
HAZARDOUS AREA : <input checked="" type="radio"/> YES <input type="radio"/> NO IF YES, SPECIFY CLASS T3 ZONE 2 GROUP IIA																						
ELECTRICAL ENCLOSURE TYPE: NONE UNUSUAL CONDITIONS (DUST, FUMES, ETC.) EXPLAIN																						
PLANT UTILITIES: <input type="radio"/> ELECTRICITY, PHASE CYCLE VOLTS, <input type="radio"/> AIR																						
CRANE MOTION: ELECTRICAL AIR MANUAL SPEED (m/min.) MAIN HOIST <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> TROLLEY <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> BRIDGE <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>																						
CONTROL: <input type="radio"/> TYPE																						
CONTROL LOCATION: <input type="radio"/> CABIN (CAB), <input type="radio"/> FLOOR, <input checked="" type="radio"/> PENDANT STATION, <input type="radio"/> OTHER																						
POWER DISTRIBUTION: TO TROLLEY SHALL BE SUPPLIED BY VENDOR <input checked="" type="radio"/> YES <input type="radio"/> NO																						
TO BRIDGE SHALL BE FURNISHED BY VENDOR <input checked="" type="radio"/> YES <input type="radio"/> NO																						
<table border="0"> <thead> <tr> <th></th> <th>BRIDGE</th> <th>TROLLEY</th> </tr> </thead> <tbody> <tr> <td>RUNWAY COLLECTORS</td> <td align="center"><input type="checkbox"/></td> <td align="center"><input type="checkbox"/></td> </tr> <tr> <td>RUNWAY CONDUCTORS</td> <td align="center"><input type="checkbox"/></td> <td align="center"><input type="checkbox"/></td> </tr> <tr> <td>CABLE REEL</td> <td align="center"><input type="radio"/></td> <td align="center"><input type="radio"/></td> </tr> <tr> <td>FESTOONED CABLE</td> <td align="center"><input type="radio"/></td> <td align="center"><input type="radio"/></td> </tr> </tbody> </table>									BRIDGE	TROLLEY	RUNWAY COLLECTORS	<input type="checkbox"/>	<input type="checkbox"/>	RUNWAY CONDUCTORS	<input type="checkbox"/>	<input type="checkbox"/>	CABLE REEL	<input type="radio"/>	<input type="radio"/>	FESTOONED CABLE	<input type="radio"/>	<input type="radio"/>
	BRIDGE	TROLLEY																				
RUNWAY COLLECTORS	<input type="checkbox"/>	<input type="checkbox"/>																				
RUNWAY CONDUCTORS	<input type="checkbox"/>	<input type="checkbox"/>																				
CABLE REEL	<input type="radio"/>	<input type="radio"/>																				
FESTOONED CABLE	<input type="radio"/>	<input type="radio"/>																				
REMARKS:																						
To be continued																						



 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
	شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT		سریال 0027

Chemical Inj. Pack. & Chemical Storage Shelter Crane (CR-103) / sheet 2 of 3

ITEMS TO BE SUPPLIED BY VENDOR: *			
<input type="radio"/> SURFACE PREPARATION	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> OTHER
<input checked="" type="radio"/> PAINTING, PRIME PAINT REQUIRED	<input checked="" type="radio"/> FINISH PAINT REQUIRED		
<input type="radio"/> BUMPER STOPS FOR BRIDGE			
<input checked="" type="radio"/> BUMPER STOPS FOR TROLLEY			
<input type="radio"/> SWEEPERS FOR BRIDGE AND TROLLEY			
<input type="radio"/> SINGLE POINT LUBRICATION SYSTEM			
<input type="radio"/> MAINTENANCE & SERVICE PLATFORMS			
<input type="radio"/> SPARK RESISTANT CONSTRUCTION			



DATA BY VENDOR (MUST BE COMPLETED AND RETURNED WITH QUOTATION)

CRANE MANUFACTURER :		
BRIDGE: *		
NUMBER OF GIRDERS:	TYPE:	SIZE:
BRIDGE DRIVER TYPE:	GEAR REDUCER MANUFACTURER:	
NO. OF REDUCTION:	GEARS TYPE:	ENCLOSURE:
LUBRICATION TYPE:		
BRIDGE BRAKE (IF REQUIRED) TYPE:	TORQUE RATING:	MFG.:
TROLLEY: *		
TROLLEY FRAME CONSTRUCTION:	TYPE:	SIZE:
TROLLEY TRUCKS TYPE:	NO. OF WHEELS:	WHEEL DIAMETER:
WHEEL MATERIAL:	TREAD HARDNESS:	TREAD TYPE:
WHEEL BEARING TYPE:	BEARING MFG:	LIFE:
TROLLEY DRIVE TYPE:	GEAR REDUCER MFG:	
NO. OF REDUCTIONS:	GEAR TYPE:	ENCLOSURE:
LUBRICATION TYPE:		
TROLLEY BRAKE (IF REQUIRED) TYPE:	TORQUE RATING:	MFG.:
SIZE OF TROLLEY RAILS:		
REMARKS:		
To be continued		


 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT	سریال 0027	نسخه D05	شماره صفحه: ۱۲ از ۱۸



Chemical Inj. Pack. & Chemical Storage Shelter Crane (CR-103) / sheet 3 of 3

HOIST *					
MANUFACTURE:		MODEL NO.:		CAPACITY:	
DRUM DIAMETER:		MATERIAL:			
HOIST TYPE:		GEAR REDUCER MFG.:			
NO. OF REDUCTIONS:		GEAR TYPE:		ENCLOSURE:	
TYPE LUBRICATION:					
WIRE ROPE DIAMETER:		CONSTRUCTION:		CORE:	
NO. OF PARTS SUPPORTING LOAD:		TYPE:			
DIAMETER OF SHEAVES:		MATERIAL:			
LOAD BRAKE TYPE:		MFG.:		TORQUE RATING:	
MOTOR BRAKE TYPE:		MFG.:		TORQUE RATING:	
HOOK TYPE:		MATERIAL:			
LIMIT SWITCHES: (YES OR NO) UPPER:		LOWER:		TYPE: MFG.:	
VENDOR RECOMMENDED BRIDGE RAIL SIZE:		(Kg/M), FIELD ASSEMBLY:		<input type="checkbox"/> WELDED <input type="checkbox"/> BOLTED	
ESTIMATED SHIPPING WEIGHT:		(Kg.) AND CUBAGE:		(M3)	
REMARKS: DRAWING SHOWING OVERALL DIMENSIONS & CLEARANCES SHALL BE SUBMITTED WITH QUOTATION.					

 NISOC	تجهداشت و افزایش تولید میدان نفتی بینک سطح الارض							
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							
	MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES							
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	ME	DT	0027	D05
شماره صفحه: ۱۳ از ۱۸								

Fire Water Pumps Shelter Crane (CR-104) / sheet 1 of 3



FOR:	NISOC			TYPE:	OVERHEAD TRAVELING CRANE		
SITE:	IRAN-BUSHEHR (BINAK GCS)			TAG NO. / NO. REQ.:	CR-104		
APPLICABLE STANDARD: IPS-M-GN-350 (2) & VENDOR'S STANDARS				INSTALLATION LOCATION.:		FIRE WATER PUMPS SHELTER CRANE	
NOTE: <input type="radio"/> INDICATES INFORMATION TO BE COMPLETED BY PURCHASER <input type="checkbox"/> BY VENDOR							
CRANE TYPE: <input checked="" type="radio"/> TOP RUNNING <input type="radio"/> UNDERHUNG <input type="radio"/> OTHER (Monorail)							
<input type="radio"/> CAPACITY: 5000 kg <input type="radio"/> SPAN 10.00 m <input type="radio"/> LIFT 4 m <input type="radio"/> TRAVEL  20.00 m							
ENVIRONMENT:							
CRANE LOCATION: <input checked="" type="radio"/> UNDER SHELTER, <input type="radio"/> OUTDOOR, <input type="radio"/> BOTH							
TEMPERATURE: <input type="radio"/> Min. 5.0 °C <input type="radio"/> Max. 50.0 °C RELAT. HUMIDITY: <input type="radio"/> Min. 0 % <input type="radio"/> Max 100 % (Note 13) <input type="radio"/> SEISMIC ZONE <input type="radio"/> WIND DESIGN SPEED Km/h							
HAZARDOUS AREA : <input type="radio"/> YES <input checked="" type="radio"/> NO IF YES, SPECIFY CLASS ZONE GROUP							
ELECTRICAL ENCLOSURE TYPE: NEMA UNUSUAL CONDITIONS (DUST, FUMES, ETC,) EXPLAIN							
PLANT UTILITIES: <input checked="" type="radio"/> ELECTRICITY, 3 PHASE 50 Hz CYCLE 400 VOLTS, <input type="radio"/> AIR							
CRANE MOTION: ELECTRICAL AIR MANUAL SPEED (m/min.) MAIN HOIST <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> TROLLEY <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> BRIDGE <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>							
CONTROL: <input type="radio"/> TYPE							
CONTROL LOCATION: <input type="radio"/> CABIN (CAB), <input type="radio"/> FLOOR, <input checked="" type="radio"/> PENDANT STATION, <input type="radio"/> OTHER							
POWER DISTRIBUTION: TO TROLLEY SHALL BE SUPPLIED BY VENDOR <input checked="" type="radio"/> YES <input type="radio"/> NO							
TO BRIDGE SHALL BE FURNISHED BY VENDOR <input checked="" type="radio"/> YES <input type="radio"/> NO							
BRIDGE TROLLEY RUNWAY COLLECTORS <input type="checkbox"/> <input type="checkbox"/> RUNWAY CONDUCTORS <input type="checkbox"/> <input type="checkbox"/> CABLE REEL <input type="radio"/> <input type="radio"/> FESTOONED CABLE <input type="radio"/> <input type="radio"/>							
REMARKS:							
To be continued							

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
	شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT		سریال 0027

ITEMS TO BE SUPPLIED BY VENDOR: *			
<input type="radio"/> SURFACE PREPARATION	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> OTHER
<input checked="" type="radio"/> PAINTING, PRIME PAINT REQUIRED	<input checked="" type="radio"/> FINISH PAINT REQUIRED		
<input type="radio"/> BUMPER STOPS FOR BRIDGE			
<input checked="" type="radio"/> BUMPER STOPS FOR TROLLEY			
<input type="radio"/> SWEEPERS FOR BRIDGE AND TROLLEY			
<input type="radio"/> SINGLE POINT LUBRICATION SYSTEM			
<input type="radio"/> MAINTENANCE & SERVICE PLATFORMS			
<input type="radio"/> SPARK RESISTANT CONSTRUCTION			



DATA BY VENDOR (MUST BE COMPLETED AND RETURNED WITH QUOTATION)

CRANE MANUFACTURER :		
BRIDGE: *		
NUMBER OF GIRDERS:	TYPE:	SIZE:
BRIDGE DRIVER TYPE:	GEAR REDUCER MANUFACTURER:	
NO. OF REDUCTION:	GEARS TYPE:	ENCLOSURE:
LUBRICATION TYPE:		
BRIDGE BRAKE (IF REQUIRED) TYPE:	TORQUE RATING:	MFG.:
TROLLEY: *		
TROLLEY FRAME CONSTRUCTION:	TYPE:	SIZE:
TROLLEY TRUCKS TYPE:	NO. OF WHEELS:	WHEEL DIAMETER:
WHEEL MATERIAL:	TREAD HARDNESS:	TREAD TYPE:
WHEEL BEARING TYPE:	BEARING MFG:	LIFE:
TROLLEY DRIVE TYPE:	GEAR REDUCER MFG:	
NO. OF REDUCTIONS:	GEAR TYPE:	ENCLOSURE:
LUBRICATION TYPE:		
TROLLEY BRAKE (IF REQUIRED) TYPE:	TORQUE RATING:	MFG.:
SIZE OF TROLLEY RAILS:		
REMARKS:		
To be continued		

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	DMECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT	سریال 0027	نسخه D05	شماره صفحه: ۱۵ از ۱۸

Fire Water Pumps Shelter Crane (CR-104) / sheet 3 of 3



HOIST *					
MANUFACTURE:		MODEL NO.:		CAPACITY:	
DRUM DIAMETER:		MATERIAL:			
HOIST TYPE:		GEAR REDUCER MFG.:			
NO. OF REDUCTIONS:		GEAR TYPE:		ENCLOSURE:	
TYPE LUBRICATION:					
WIRE ROPE DIAMETER:		CONSTRUCTION:		CORE:	
NO. OF PARTS SUPPORTING LOAD:		TYPE:			
DIAMETER OF SHEAVES:		MATERIAL:			
LOAD BRAKE TYPE:		MFG.:		TORQUE RATING:	
MOTOR BRAKE TYPE:		MFG.:		TORQUE RATING:	
HOOK TYPE:		MATERIAL:			
LIMIT SWITCHES: (YES OR NO) UPPER:		LOWER:		TYPE: MFG.:	
VENDOR RECOMMENDED BRIDGE RAIL SIZE:		(Kg/M), FIELD ASSEMBLY:		<input type="checkbox"/> WELDED <input type="checkbox"/> BOLTED	
ESTIMATED SHIPPING WEIGHT:		(Kg.) AND CUBAGE:		(M3)	
REMARKS: DRAWING SHOWING OVERALL DIMENSIONS & CLEARANCES SHALL BE SUBMITTED WITH QUOTATION.					


 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT	سریال 0027	نسخه D05	شماره صفحه: ۱۶ از ۱۸

D05	Diesel Generator Shelter Crane (CR-105) / sheet 1 of 3
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FOR:	NISOC			TYPE:	OVERHEAD TRAVELING CRANE																	
SITE:	IRAN-BUSHEHR (BINAK GCS)			TAG NO. / NO. REQ.:	CR-105																	
APPLICABLE STANDARD: IPS-M-GN-350 (2) & VENDOR'S STANDARDS				INSTALLATION LOCATION.:		Diesel Generator Shelter Crane																
NOTE: <input type="radio"/> INDICATES INFORMATION TO BE COMPLETED BY PURCHASER <input type="checkbox"/> BY VENDOR																						
CRANE TYPE: <input checked="" type="radio"/> TOP RUNNING <input type="radio"/> UNDERHUNG <input type="radio"/> OTHER (Monorail)																						
<input type="radio"/> CAPACITY: 2000 kg <input type="radio"/> SPAN: 5.80 m <input type="radio"/> LIFT: 4.45 m <input type="radio"/> TRAVEL: 6.45 m																						
ENVIRONMENT:																						
CRANE LOCATION: <input checked="" type="radio"/> UNDER SHELTER, <input type="radio"/> OUTDOOR, <input type="radio"/> BOTH																						
TEMPERATURE: <input type="radio"/> Min. 5.0 °C <input type="radio"/> Max. 50.0 °C RELAT. HUMIDITY: <input type="radio"/> Min. 0 % <input type="radio"/> Max. 100 % (Note 13) <input type="radio"/> SEISMIC ZONE <input type="radio"/> WIND DESIGN SPEED Km/h																						
HAZARDOUS AREA : <input type="radio"/> YES <input checked="" type="radio"/> NO IF YES, SPECIFY CLASS ZONE GROUP																						
ELECTRICAL ENCLOSURE TYPE: NONE UNUSUAL CONDITIONS (DUST, FUMES, ETC.) EXPLAIN																						
PLANT UTILITIES: <input type="radio"/> ELECTRICITY, PHASE CYCLE VOLTS, <input type="radio"/> AIR																						
CRANE MOTION: ELECTRICAL AIR MANUAL SPEED (m/min.) MAIN HOIST <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> TROLLEY <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> BRIDGE <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>																						
CONTROL: <input type="radio"/> TYPE																						
CONTROL LOCATION: <input type="radio"/> CABIN (CAB), <input type="radio"/> FLOOR, <input checked="" type="radio"/> PENDANT STATION, <input type="radio"/> OTHER																						
POWER DISTRIBUTION: TO TROLLEY SHALL BE SUPPLIED BY VENDOR <input checked="" type="radio"/> YES <input type="radio"/> NO																						
TO BRIDGE SHALL BE FURNISHED BY VENDOR <input checked="" type="radio"/> YES <input type="radio"/> NO																						
<table border="0"> <thead> <tr> <th></th> <th>BRIDGE</th> <th>TROLLEY</th> </tr> </thead> <tbody> <tr> <td>RUNWAY COLLECTORS</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>RUNWAY CONDUCTORS</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>CABLE REEL</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>FESTOONED CABLE</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </tbody> </table>									BRIDGE	TROLLEY	RUNWAY COLLECTORS	<input type="checkbox"/>	<input type="checkbox"/>	RUNWAY CONDUCTORS	<input type="checkbox"/>	<input type="checkbox"/>	CABLE REEL	<input type="radio"/>	<input type="radio"/>	FESTOONED CABLE	<input type="radio"/>	<input type="radio"/>
	BRIDGE	TROLLEY																				
RUNWAY COLLECTORS	<input type="checkbox"/>	<input type="checkbox"/>																				
RUNWAY CONDUCTORS	<input type="checkbox"/>	<input type="checkbox"/>																				
CABLE REEL	<input type="radio"/>	<input type="radio"/>																				
FESTOONED CABLE	<input type="radio"/>	<input type="radio"/>																				
REMARKS:																						

To be continued

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک MECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
	شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT		سریال 0027



 D05	Diesel Generator Shelter Crane (CR-105) / sheet 2 of 3
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ITEMS TO BE SUPPLIED BY VENDOR: *			
<input type="radio"/> SURFACE PREPARATION	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> OTHER
<input checked="" type="radio"/> PAINTING, PRIME PAINT REQUIRED	<input checked="" type="radio"/> FINISH PAINT REQUIRED		
<input type="radio"/> BUMPER STOPS FOR BRIDGE			
<input checked="" type="radio"/> BUMPER STOPS FOR TROLLEY			
<input type="radio"/> SWEEPERS FOR BRIDGE AND TROLLEY			
<input type="radio"/> SINGLE POINT LUBRICATION SYSTEM			
<input type="radio"/> MAINTENANCE & SERVICE PLATFORMS			
<input type="radio"/> SPARK RESISTANT CONSTRUCTION			

DATA BY VENDOR (MUST BE COMPLETED AND RETURNED WITH QUOTATION)

CRANE MANUFACTURER :		
BRIDGE: *		
NUMBER OF GIRDERS:	TYPE:	SIZE:
BRIDGE DRIVER TYPE:	GEAR REDUCER MANUFACTURER:	
NO. OF REDUCTION:	GEARS TYPE:	ENCLOSURE:
LUBRICATION TYPE:		
BRIDGE BRAKE (IF REQUIRED) TYPE:	TORQUE RATING:	MFG.:
TROLLEY: *		
TROLLEY FRAME CONSTRUCTION:	TYPE:	SIZE:
TROLLEY TRUCKS TYPE:	NO. OF WHEELS:	WHEEL DIAMETER:
WHEEL MATERIAL:	TREAD HARDNESS:	TREAD TYPE:
WHEEL BEARING TYPE:	BEARING MFG:	LIFE:
TROLLEY DRIVE TYPE:	GEAR REDUCER MFG:	
NO. OF REDUCTIONS:	GEAR TYPE:	ENCLOSURE:
LUBRICATION TYPE:		
TROLLEY BRAKE (IF REQUIRED) TYPE:	TORQUE RATING:	MFG.:
SIZE OF TROLLEY RAILS:		
REMARKS:		

To be continued

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	DMECHANICAL DATA SHEETS FOR OVERHEAD TRAVELING CRANES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT	سریال 0027	نسخه D05	شماره صفحه: ۱۸ از ۱۸

 D05	Diesel Generator Shelter Crane (CR-105) / sheet 3 of 3
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HOIST *					
MANUFACTURE:		MODEL NO.:		CAPACITY:	
DRUM DIAMETER:		MATERIAL:			
HOIST TYPE:		GEAR REDUCER MFG.:			
NO. OF REDUCTIONS:		GEAR TYPE:		ENCLOSURE:	
TYPE LUBRICATION:					
WIRE ROPE DIAMETER:		CONSTRUCTION:		CORE:	
NO. OF PARTS SUPPORTING LOAD:		TYPE:			
DIAMETER OF SHEAVES:		MATERIAL:			
LOAD BRAKE TYPE:		MFG.:		TORQUE RATING:	
MOTOR BRAKE TYPE:		MFG.:		TORQUE RATING:	
HOOK TYPE:		MATERIAL:			
LIMIT SWITCHES: (YES OR NO) UPPER:		LOWER:		TYPE: MFG.:	
VENDOR RECOMMENDED BRIDGE RAIL SIZE:		(Kg/M), FIELD ASSEMBLY:		<input type="checkbox"/> WELDED <input type="checkbox"/> BOLTED	
ESTIMATED SHIPPING WEIGHT:		(Kg.) AND CUBAGE:		(M3)	
REMARKS: DRAWING SHOWING OVERALL DIMENSIONS & CLEARANCES SHALL BE SUBMITTED WITH QUOTATION.					