




	3x150 TPH BOILER PACKAGE ALONG WITH STEAM TURBO-BLOWER BUILDING (EXCLUDING ENABLING WORKS), PKG NO:- 011-01A				
	DATA SHEET FOR CONDENSATE TRANSFER PUMP				
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REVISION HISTORY					
Rev.	Revision Date	Prepared By	Checked By	Approved By	Description
0	1/19/2013	SUNIL	PRASOON	R.K. SINHA	Issued For Approval
	Owner :				
	BHILAI STEEL PLANT, BHILAI, CHATTISGARH				
	7.0 MTPA EXPANSION				
	Owner's Consultant:				
	MECON LIMITED, RANCHI				
	Contractor: Consortium of				
	FUJIAN LONGKING CO., LTD. No. 81, LINGYUAN ROAD, LONGYAN CITY, FUJIAN PROVINCE, CHINA				
	ALLIED ENERY SYSTEMS PVT. LTD. PLOT NO. 293, KEHAR SINGH ESTATE, WESTEND MARG, SAIDULAJAB, NEW DELHI-110030				
PACKAGE DESCRIPTION	3x150 TPH BOILERS ALONG WITH STEAM TURBO-BLOWER BUILDING (EXCLUDING ENABLING WORK), PKG NO. : 011-01A				
CONTRACTOR DOCUMENT NO.					
Rev. No.	Date	Document No:-		Format	Sheet
0	1/19/2013	BSP-FLCL-05- 011-01A-06-002-01-DE-00109		A4	1

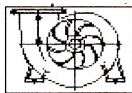
O.A.000141/2515

January 15, 2013

TECHNICAL SPECIFICATIONS

Item No.	1
Quantity	2
Application	Condensate Transfer Pump
Type of Pump	Horizontal split casing pump
Model No.	SCS 200X630
Stages	Single
Liquid	Water
Specific Gravity	0.99
Temperature ° C	50
Flow (m ³ /hour)	500
Differential Head at Casing Flange (mwc.)	133.5
Efficiency %	77
BKW Water	236.1
BKW Liquid	233.7
Pump RPM	1450
Motor KW/RPM	260/1450
Suction Size (mm)	300
Dis. Size (mm)	200
Impeller Type	Closed
NPSHR, m	2.8
Shaft Sealing / Flushing Plan	Mechanical Seal
MATERIAL OF CONSTRUCTION	
Casing	WCB
Impeller	WCB
Stuffing Box	WCB
Shaft	AISI 410
Shaft Sleeve	AISI 410-Hardened 12% Chrome Steel (ground smooth)
Coupling	Flexible Pin & Bush/Spacer Type
Wear Ring	WCB
Shaft Seal	Mechanical Seal
Base Frame	Mild Steel
Bearing	Deep Groove Ball Bearing/Anti Friction
other material	Manufacturer's Standard





SINTECH PRECISION PRODUCTS LIMITED, GHAZIABAD

Pump Characteristic Curves

O.A.000141/2515

January 15, 2013

Pump Model : SCS 200X630

RPM - 1450

CAPACITY [m³/hr] 500

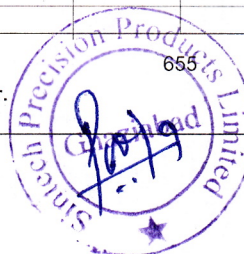
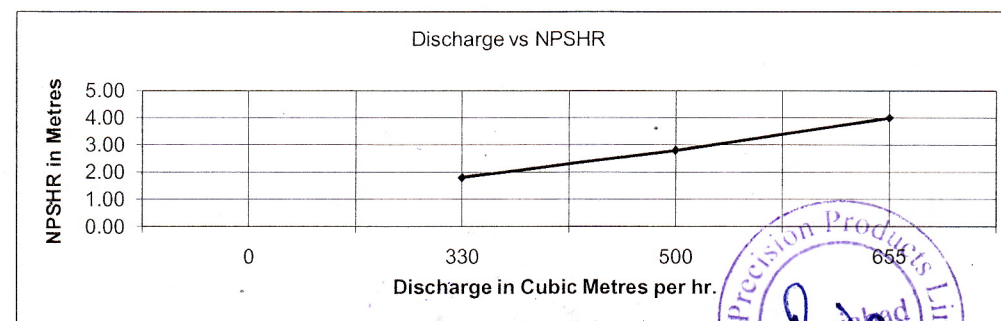
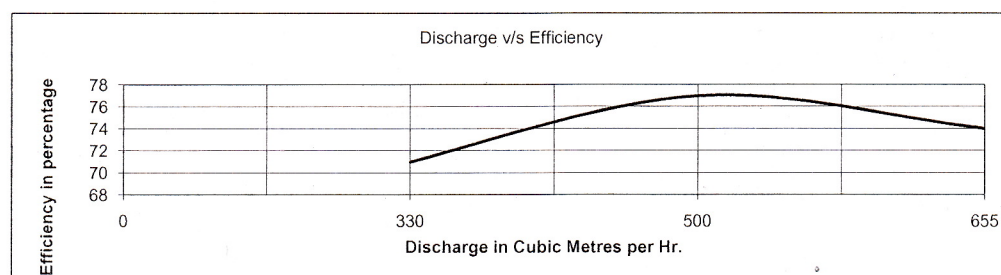
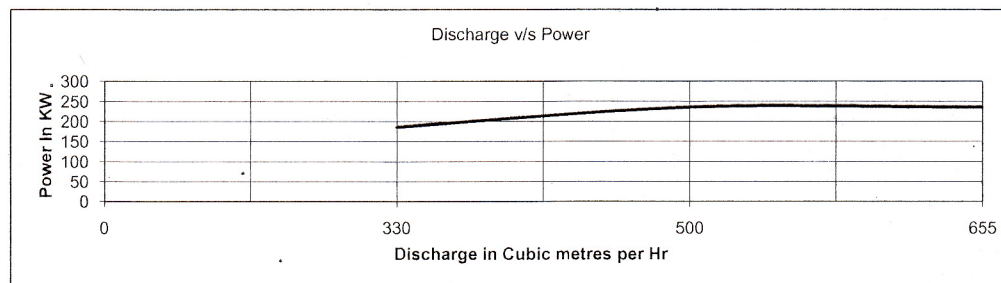
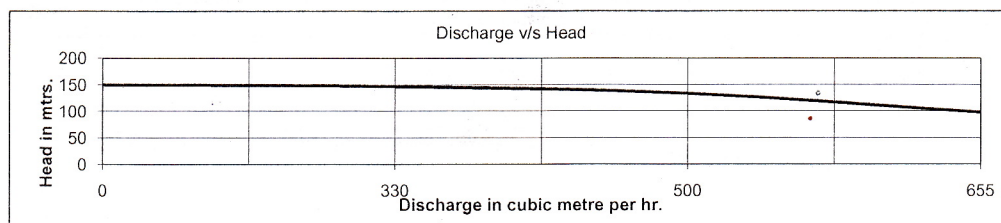
Head - 133.5 MLC

Motor Rating [KW / RPM] 260/1450

S.O.H- 150 Mtrs.

Application :- Condensate Transfer Pump

Client:	Allied Energy Systems Pvt. Ltd. A/C 3X150 TPH Boiler's,Auxiliaries&Steam Turbo Blower at Bhilai Steel Plant
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GD2 Value 41.235Kg.m2

RATED POWER 236 K.W.

MOTOR RATED POWER 260 K.W.

RATING TORQUE 1712 N-m

STARTING TORQUE 1860 N-m

 SINTECH PRECISION PRODUCTS LTD. B.S. Road Industrial Area GHAZIABAD (U.P.)	
DRN. BY	INDER
CHD. BY	
APPD. BY	
DATE	16.01.2013
SCALE	NTS
REF.	-
REF. DRG. No.	-
MODEL SCS 200x630-1450rpm	
PART NAME TORQUE SPEED CURVE	
Curve No. 7-00-2063-00-TSC-00-0	
REV. No. 0	