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HVF DETAILS OF MATERIAL/SERVICES ;Drg/Spcn.No.: HVF4000-03766
 (ON-LINE INFORMATION) ;Page number.: 1

1. Name of the item.....: SINUMERIK OPERATOR PANEL-OP 015A
 Part No.6FC5203-0AF05-0AB0
 Make: Siemens

2. Eql. specification number..:

3. Eql. proprietary part no....: 6FC5203-0AF05-0AB1

4. Eql. DS Catalogue number...:

5. Item accounting unit code.: 40 (NUMBERS)

6. OTHER TECHNICAL DETAILS:

Sinumerik Operator Panel Front-OP 015A
 PART NO..06FC5203-0AF05-0AB1
 SIZE;15",TFT(1024X768) LED Backlight with membrane keys and mouse
 PART NO.06FC5203-0AF05-0AB0 is an old version item
 MAKE:SIEMENS

Pur.Tm.Wk: ;Pur. Sec.: 08 ;Godown....: TMSP ;Ping. Gp.: MSP
 ;Alt. PS... ;Alt.Indct: ;Item Type: M

Approved by: *[Signature]* ;Item Code(LFNo.): 2056250261
 Date.....: WM (MEOTRON COE & GA) ;Printed on date : 06-08-2024

Note: Document approved by a gazetted officer is only valid.

[Handwritten mark]

05	Mode of purchase of	PAC				
04	Budget head code of purchase	806/01				
05	LPR details	LPR details are given below				
	Item SI No	LPR (Basic Rate) Rs	LPR (with 18% Tax) Rs	SI No	Supplier	
	1	287708.5	339496.0	GMD-2019-DT-14822	TEXCEL MARKETING CORPORATION	
06	Budgetary offer details	A budgetary offer has been received from M/s Siemens Ltd, Bangalore, vide offer ref No. 6210TY-202425, dated 06-07-2024.				
	Item SI No	Basic Price /Unit (Rs.)	GST@ 18% (Rs)	Basic Price with Tax (Rs)	Required Quantity (Nos)	Total Amount With Tax (Rs)
	1	437699.00	78778.62	516477.62	500	2582388.10
07	Cost of the material	Grand Total, Rs, including GST @ 18%				
						2582388.10



HVF
AVADI: DETAILS OF MATERIAL/SERVICES (ON-LINE INFORMATION) ; Drg/Spch.No.: HVF4000-03554 ; Page number.: 1

1. Name of the item.....: SIMODRIVE 611 DIGITAL CONTROL LOOP BLOCK;
Part No.6SN1118-ODM33-0AA2
Make: Siemens

2. Eql. specification number.:

3. Eql. proprietary part no....: 6SN1118-ODM33-0AA1

4. Eql. DS Catalogue number...:

5. Item accounting unit code.: 40 (NUMBERS)

6. OTHER TECHNICAL DETAILS:

SIMODRIVE 611 DIGITAL CONTROL LOOP BLOCK HIGH STANDARD 2 AXES SIN/COS
1 VFP DIRECT MEASURING SYSTEM NC SOFTWARE,REQUIRED FROM 06.04.09.
PART No.6SN1118-ODM33-0AA2
(Successor for 6SN1118-ODM33-0AA1)
MAKE:SIEMENS.

Pur.Tm.Wks: ; Pur. Sec.: 08 ; Godown...: MISC ; Ping. Gp.: MSP
; Alt. PS...: ; Alt.Indct: ; Item Type: M

Approved by: *[Signature]* ; Item Code(LFNo.): 2069250649
Date.....: *DO/MEE.TRON(OH)* ; Printed on date : 11-09-2024

Note: Document approved by a gazetted officer is only valid.

[Handwritten marks]



- 1. Name of the item.....: LT MODULE 160A, 6SN1123-1AA00-OEA2
ORDER CODE: 6SN1123-1AA00-OEA2
MAKE: M/s SIEMENS
- 2. Eql. specification number.:
- 3. Eql. propritery part no....: 6SN1123-1AA00-OEA2
- 4. Eql. DS Catalogue number...:
- 5. Item accounting unit code.: 40 (NUMBERS)
- 6. OTHER TECHNICAL DETAILS: NIL

Pur.Tm.Wks: ; Pur. Sec.: 08 ; Godown...: TMSP ; PIng. Gp.: MSP
; Alt. FS... ; Alt. Indctr: ; Item Type: M

Approved by: *[Signature]* ; Item Code(LFNo.): 2084250262
Date.....: *DO/MECTRON (OH)* ; Printed on date : 11-09-2024

Notes: Document approved by a gazetted officer is only valid.

[Handwritten initials]

DO/MECTRON (OH)



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HVF DETAILS OF MATERIAL/SERVICES : Drg/Spcn.No.: HVF2303-00243
 AVAD (ON-LINE INFORMATION) : Page number.: 1

1. Name of the item.....: DIGITAL CLOSED-LOOP PLUG-IN
 PartNo:6SN1118-ODJ23-0AA2, Make: SIEMENS
 High Performance 1 Axis sin/cos 1Vpp

This case pertains to Mectron (O&M) details are given as below.

Item No.	Item Description	Required Quantity (Qty)	LF No.
2. Eql. specification number.:	DIGITAL CLOSED-LOOP PLUG-IN Part No: 6SN1118-ODJ23-0AA2		
3. Eql. proprietary part no.:	6SN1118-ODJ23-0AA2	1	2084250464
4. Eql. DS Catalogue number.:	6SN1118-ODJ23-0AA2		
5. Item accounting unit code.:	40 (NUMBERS)		
6. OTHER TECHNICAL DETAILS:			2084250464 (OEM quoted successor hence LFP details may be amended)
Digital Closed-loop plug-in Part no.: 6SN1118-ODJ23-0AA2 High Performance 1 Axis sin/cos 1Vpp direct measuring system NC Software from 2009-04-06 required (1:1 Replacement for 6SN1118-ODJ23-0AA1) Make: Siemens			

Pur. Tm. Wkr : Pur. Sec.: 08 ; Godown...: TMSP ; PIng. Gp.: MSP
 ; Alt. PS... ; Alt. Indct: ; Item Type: M

Approved by: *[Signature]* ; Item Code(LFNo.): 2084250464
 Date: *12/9/24* ; Printed on date : 11-09-2024

DO/MECTRON COH

Note: Document approved by a gazetted officer is only valid.

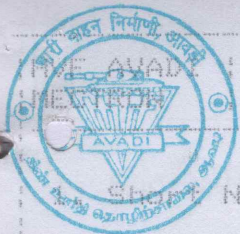
[Signature]

2	B177	MARIO-CNC DBLE COLUMN-TURRET	30.03.13	70847545	Active
	B631	MARIO-CNC VTL-TURRET	08.04.13	186614324	Active
	B257	WALDRICH-CNC DOWN B COLUMN-TURRET	25.03.11	216411140	Active
3	B576	MARIO-CNC DBLE COLUMN-TURRET	30.03.13	70847545	Active
	B377	MARIO-CNC DBLE COLUMN-TURRET	30.03.13	70847545	Active

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LPR details are given below -

Item No.	LPR (Basic Rate) Rs.	LPR (with tax) Rs.	S.O No.	Firm
1	395644.00	471588.00	LP08210261 DT:29.03.23	INDHRA ENGINEERING AND SPARES
2	339500.00	400610.00	GM06230475 DT:19.03.23	TEKCEL MARKETING CORPORATION
3	419200.00	494656.00	GM06230475 DT:07.10.23	TEKCEL MARKETING CORPORATION



Name of the item : SIGNAL CABLE, PRE-ASSEMBLED (LENGTH 43M)

2. Item accounting unit code.: 40 (NUMBERS)

3. Long Description of item :

4. Indian Std. Specn. if any.:

5. Suppliers part/model no...: 6FX8002-2DC10-1ED0

6. OTHER TECHNICAL DETAILS:

Signal cable, pre-assembled (Length 43m)
type: 6FX8002-2DC10 DRIVE- CLiQ with 24 V
plug RJ45 IP20 on module side and IP67
on motor side MOTION- CONNECT 800PLUS
released only up to 75 m length
Dmax=7.1 mm length (m)= 0 + 40 + 3 + 0
MLFB TYPE NO.: 6FX8002-2DC10-1ED0
MAKE: SIEMENS.

Certified that this item is NEW and never procured under any other L.F./Name/Drawing/Specification in this factory. Hence, a new L.F. No. may be allotted.

Prepared by: *[Signature]*

Approved by: *[Signature]*

Item Code.:

HOS/MECTRON (OER 40)

WM/MECTRON (OER 40)

Date.....: 27-09-2024



- Name of the item : SIGNAL CABLE PRE-ASSEMBLED (LENGTH 35M)
2. Item accounting unit code.: 40 (NUMBERS)
 3. Long Description of item :
 4. Indian Std. Specn. if any.:
 5. Suppliers part/model no....: 6FX8002-2CH00-1DFO
 6. OTHER TECHNICAL DETAILS:

Signal cable pre-assembled (Length 35m) for absolute encoder EnDat 6FX2001-5 3x (2x0.14) C+4x 0.14+2x0.5 C Connector full thread M23 MOTION- CONNECT 800PLUS trailable UL/CSA DESIGN: Dmax=9.2 mm Length (m)= TYPE: 6FX8002-2CH00 LENGTH (M) = 0 + 30 + 5 + 0, MLFB TYPE NO.: 6FX8002-2CH00-1DFO, MAKE: SIEMENS.

Certified that this item is NEW and never procured under any other L.F./Name/Drawing/Specification in this factory. Hence, a new L.F. No. may be allotted.

Prepared by: *[Signature]* Approved by: *[Signature]* Item Code.:
Hos /MECTRON (OE & GA) WM /MECTRON (OE & GA) Date.....: 27-09-2024

Note: *[Signature]* Document approved by Divisional Officer is only valid.



1. Name of the item : SIGNAL CABLE PRE-ASSEMBLED (LENGTH 40M)
 2. Accounting unit code.: 40 (NUMBERS) Date: 20/09/2024

3. Long Description of item :

This case pertains to Mectron (OR&GA) - (10) Section for procurement of Siemens spares and

4. Indian Std. Specn. if any.:

5. Suppliers part/model no.: 6FX8002-2CG00-1EA0

6. OTHER TECHNICAL DETAILS: 2DC10 DRIVE - C1.0 with 24 V

Signal cable pre-assembled (Length 40m) for incremental encoder SIN/COS 1VPP, 6FX2001-3 4x (2x0.34)+4x 0.5 C Connector full thread M23 MOTION-CONNECT 800PLUS trailable UL/CSA DESINA Dmax=9.3 mm Length (m)= TYPE: 6FX8002-2CG00, LENGTH (M) = 0 + 40 + 0 + 0, MLFB TYPE NO.: 6FX8002-2CG00-1EA0, MAKE: SIEMENS.

QTY	Particulars	Description	Quantity Required	Unit	Present Status
01	Signal cable pre-assembled (Length 35m) for absolute encoder EnDat 6FX2001-5 3x (2x0.14) C+4x 0.14+2x0.5 C Connector full thread M23 MOTION-CONNECT 800PLUS trailable UL/CSA DESINA Dmax=9.2 mm Length (m)= TYPE: 6FX8002-2CH00 LENGTH (M) = 0 + 30 + 0 + 0, MLFB TYPE NO.: 6FX8002-2CH00-1DF0 MAKE: SIEMENS.		01No		NEW
02	Signal cable pre-assembled (Length: 40m) for incremental encoder SIN/COS 1VPP, 6FX2001-3 4x (2x0.34)+4x 0.5 C Connector full thread M23 MOTION-CONNECT 800PLUS trailable UL/CSA DESINA Dmax=9.3 mm Length (m)= TYPE: 6FX8002-2CG00, LENGTH (M) = 0 + 40 + 0 + 0, MLFB TYPE NO.: 6FX8002-2CG00-1EA0, MAKE: SIEMENS.		01No		NEW

Item S.No.	QTY	Type of Machine	Machine No.	Plant Code	Present Status		
02	Machine details.	Machine details.	B517	WFL-CNC HMC-CA	1817-0116	Active	
			B648	TOS-HORI-BORING-CA	2032-08-	Active	
			B563	TOS-HORI-BORING-TRQ	2214-17-	Active	
			B508	WFL-CNC TURNING-TRQ	2009-2014	2017-040-	Active
			B569	WFL-CNC TURNING-RO	2009-2014	2017-16-	Active
B570	WFL-CNC TURNING-BORING-RO	2009-2014	2115-015-	Active			
03	Mode of purchase of assets	PAC					
04	Budget head	806/01					
05	LPR details	New items. No LPR details are available.					

Certified that this item is NEW and never procured under any other L.F./Name/Drawing/Specification in this factory. Hence, a new L.F. No. may be allotted.

Prepared by: *[Signature]* Approved by: *[Signature]* Item Code.:
 Hos/MECTRON (OE 2GA) WM/MECTRON (OE 2GA) Date: 27-09-2024



- Name of the item : SINUMERIK 828D CNC HARDWARE FPU260.2
- Item accounting unit code.: 40 (NUMBERS)
- Long Description of item : VERTICAL.

- Indian Std. Specn. if any..
- Suppliers part/model no...: 6FC5370-6AA20-0AA0

6..OTHER TECHNICAL DETAILS:

SINUMERIK 828D CNC Hardware FPU 260.2 Vertical,
 MLFB/Type No.:6FC5370-6AA20-0AA0,
 Make:Siemens.

New Item, No LP code is available

A budgetary offer has been received from M/s Siemens Ltd, Bangalore vide offer ref No. 6240/FY-2024/45, dated 28/10/2024.

Item S/No	Basic Price (Rs)	GST @ 18% (Rs)	Total Price with Tax (Rs)	Required Quantity (Nos)	Total Amount With Tax (Rs)
1	961703.00	167306.54	1129009.54	1	1129009.54
Grand Total, Rs. including GST @ 18%					1129009.54

Item No:1 SINUMERIK 828D CNC HARDWARE FPU 260.2. It's required to replace in machine HVF No 2448-Iyon-CNC VMC-RC, which is working in shop.

The specified PPU 260.2 is a CNC Panel Processing Unit (PPU) with PLC, Operator Panel and Axis control are integrated in single unit. In that case, the black spots had come in display screen due to dead pixels. Hence operator difficult to view and operate in person. Tried to service but not successful. This PPU unit has to be replaced to ensure smooth production. Being original Siemens part, it is not possible to replace defective operator panel alone and therefore PPU unit need to be replaced. It is suggested to procure from M/s Siemens Ltd. The stock of the above item in M/s Siemens Ltd. Details of components affected due to breakdown of machine are Bush-172-51-026 & Body-172-51-027.

The purchased item is proprietary item of M/s SIEMENS LTD. Accordingly a budgetary offer has been received from M/s SIEMENS LTD, Bangalore, vide offer ref no. No. 6240/FY-2024/45, dated 28/10/2024, which is kept opposite for kind perusal.

Chief General Manager is requested to accord approval for procurement of new LP code for above item, procurement of above item from M/s Siemens Ltd (OEM) on F&C basis, under the budget Head 1000-0000-0000-0000.

Request for kind perusal and approval of Chief General Manager above.

HOS/MEETRON (OE & GA)
 Certified that this item is NEW and never procured under any other L.F./Name/Drawing/Specification in this factory. Hence, a new L.F. No. may be allotted.

Prepared by: *[Signature]* / 21/10
 Approved by: *[Signature]*
 Item Code.:
 Date.....: 21-10-2024
HOS/MEETRON (OE & GA) **WM/MEETRON (OE & GA)**



Name the item.....: SINAMICS CONTROL SUPPLY MODULE-20 AMPS
 PART NO:69L3100-1DE22-0AA1 Date:26/10/2024
 I/P:600VDC/380-480V AC-3Ph., MAKE:SIEMENS

Item/Sub: Procurement of Machinery

This case pertains to Material (OE & GA) - (10) Section for procurement of Siemens spare and details are given as below:-

2. Eql. specification number.: O/P:24-28VDC,20 AMPS

3. Eql. proprietary part no.: 69L3100-1DE22-0AA1

4. Eql. DS Catalogue number.

5. Item accounting unit code.: 40 (NUMBERS)

6. OTHER TECHNICAL DETAILS:

SINAMICS CONTROL SUPPLY MODULE-20 Amps.

PART NO:69L3100-1DE22-0AA1

Input Supply: 600 Volts DC/ 380-480Volts, 50/60HZ, 3-Ph.

Output Supply: 24-28V DC +/-2%, 20 Amps.

Make: Siemens

Pur.Tm.Wk: ; Pur. Sec.: 08 ; Godown....: TMSF ; Plng. Gp.: MSF
 ; Alt. PS...: ; Alt. Indct: ; Item Type: M

Approved by: ; Item Code(LFNo.): 2096250324

Date.....: ; Printed on date : 04-11-2024

Note: Document approved by a gazetted officer is only valid.

806/01					
LPR details are given below:-					
Item SI No.	LPR (Basic Rate) Rs.	LPR (with tax) Rs.	S.O No.	Supplier	
1	103000.00	121540.00	1708/10256 12-26-01-22	M/s Indus Engineering and Spares	
A budgetary offer has been received from OEM M/s Siemens Ltd, Bangalore, vide offer ref No. 6240/FY-2025/01, dated 18/10/2024.					
Item SI No.	Basic Price /Unit (Rs.)	GST @ 18 % (Rs)	Basic Price with Tax (Rs)	Required Quantity (Nos)	Total Amount With Tax (Rs)
1	120431.00	21677.58	142108.58	5.00	426325.74
Grand Total, Rs, including GST @ 18%				426325.74	

Sinamics Control Supply Module 20Amps - 2Nos Breakdown spare & 1No insurance spare.

2Nos of Control supply modules have been used and no output voltage coming in machines HVF No. 1411 & 1412. CMC HMC 160-RO & HVF Nos: B725-04000-UNC. Gear coupling machines TRG Shop.

The project Sinamics Control Supply Module used in Sinamics Drive Rack. Its function is to deliver constant DC 24Voltage to Axer Drive and Spindle drive. The burnt Sinamics supply modules tried to repair but could not repair due to complex wiring circuit and various mounted devices. Hence Control Supply Module is required to restore the machines for production.

The Control supply module is part of Sinamics 340D SI. CMC with Siemens Drive System. Hence part name and model coming out. The stock of the spare part in HVF store is nil.

Details of components affected due to breakdown of machine HVF No: B715 are Bush-172.51.026 & Body-172.54.815-1B.

- 1. Short Name of the item : SIMOTICS S SYNCHRONOUS MOTOR
- 2. Item accounting unit code.: 40 (NUMBERS)
- 3. Long Description of item : MLFB / Type No. 1FT7066-5AF71-1CG2
- 4. Indian Std. Specn. if any.:
- 5. Suppliers part/model no....:
- 6. OTHER TECHNICAL DETAILS:

SIMOTICS S Synchronous motor
 MLFB / Type No. 1FT7066-5AF71-1CG2
 1FT7,M0=12Nm (100K), NN=3000rpm,
 PN=2.92kW Naturally cooled
 Frame size IMB 5 (IM V1, IM V3)
 Conventional Flange (1FT6/1FK7 compatible)
 Power Connector Rotatable Absolute Encoder 24 Bits + 12 BIT
 Multiturn With Drive-Cliq Interface (Encoder AM24DQI) Plain Shaft,
 W/O Holding Brake; ACC. Tolerance N Vibration
 Severity Grade A,
 Degree of Protection IP 67
 Make: Siemens

Certified that this item is NEW and never procured under any other L.F./Name/Drawing/Specification in this factory. Hence, a new L.F. No. may be allotted.

Prepared by: *Hos/Mectron (OEXGA)* | Approved by: *WJ/Mectron (OEXGA)* | Item Code.:
 Date.....: 01-10-2024

Note: Document approved by Divisional Officer is only valid.

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HVF AVADI ELECTRONICS DRAWING/SKETCH/SPECIFICATION FOR : No: HVF4000-04176
PROCUREMENT OF MATERIAL/SERVICE ; Pa: 1



1. Short Name of the item : SINAMICS V20 DRIVE 380-480V 3AC

2. Item accounting unit code.: 40 (NUMBERS)

3. Long Description of item :

4. Indian Std. Specn. if any.:

5. Suppliers part/model no...: 6SL3210-5BE24-0UVO

6. OTHER TECHNICAL DETAILS:

SINAMICS V20 DRIVE 380-480V 3AC

Rated Power 4 KW with 150% overload for 60 sec

Part No. 6SL3210-5BE24-0UVO

Make: Siemens

Budgetary offer has received from M/s. [Name] vide offer ref. No. [Number] dated [Date]

Sr No	Budgetary offer price (Rs)	Quantity	Rate (Rs)	Amount (Rs)	Remarks
01	75,082.00	1	75,082.00	75,082.00	
Grand Total					75,082.00

Certified that this item is NEW and never procured under any other L.F./Name/Drawing/Specification in this factory. Hence, a new L.F. No. may be allotted.

Prepared by: *[Signature]*
Hos/Mectron (Off)

Approved by: *[Signature]*
Dd/Mectron (Off)

Item Code.:
Date.....: 17-09-2024

Note: Document approved by Divisional Officer is only valid.

CHIEF GENERAL MANAGER