

M.P.F.		PART LIST : 125mm SEMI CMB. CRTDG. CASE		ORDER NO.	SHT. NO.: 1/8
AMBARNATH		GROUP : WINDING M/C.		ASSY. DRG. NO. VMT. SK. 119-19000-11	
PART NO.	NO. OFF	DESCRIPTION	MATERIAL	REMARKS	
19050	1	ELECTRICAL CONTROL PANEL, SHEET STEEL ENCLOSURE. SIZE :- 30" W x 14" H x 3.5" DEPTH DOUBLE DOOR WITH LOCK AND KEY ARRANGEMENT, SELF SUPPORTED TYPE, 16 BG SHEET STEEL, PAINTED WITH 2 COATS OF PRIMER AND POWER COATED (SIEMENS WHITE COLOUR), IP-65 PROTECTION, WITH ACCESSARIES, MOUNTING PLATE, COMPLETE WIRED AND READY TO USE AS PER ELECTRICAL DRG. NO. VMT-SK-119-19000-11. WIRING SHOULD BE AS PER IS SPECIFICATION. ELECTRICAL PANEL SHOULD BE SUPPLIED CONSISTING OF ELECTRICAL SPARES AS PER PART LIST 19051 TO 19096 ,		(POWDER COATED) LEGEND (AS PER DRAWING) ON THE FOR PANEL DOOR	
19051	1	ISOLATING SWITCH TYPE 3LAO-201-1YA 16A, 500V, 3 PHASE SIEMENS MAKE			
19052	28	SICONT CONTACTOR RELAYS CAPACITY - 6A CONTACT ARRANGEMENT 4 NO + 4 NC TYPE : 3TH8244 - OA COIL CODE : M0-220V, AC SIEMENS MAKE			
19053	3	POWER CONTACTOR SICOP 3TF42-22-OA-M0, COIL CODE : M0-220V, AC COIL VOLTAGE 220V, AC SIEMENS MAKE			
19054	2	PUSH BUTTON ACTUATOR WITH CONTACT BLOCK 1 NO + 1 NC Ø22.5 GREEN 3SB 1200-OAE01 CONTACT BLOCK CAT. NO. 3SB-1400-OA SIEMENS MAKE			

CHD. BY
DATE

SIG. *S. S.*
DATE *20/12*

M MINE TOOL PROTOTYPE FACTORY, AMBARNATH

M.P.F. AMBARNATH	PART LIST : 125mm SEMI CMB. CRTDG. CASE		ORDER NO.	SHT. NO.: 2 8
	GROUP :	WINDING M/C.		
	SUB GROUP : ELECTRICAL ASSEMBLY			
ASSY. DRG. NO. VMT-SK- 119-19000-11				
PART NO.	NO. OFF	DESCRIPTION	MATERIAL	REMARKS
19055	2	PUSH BUTTON ACTUATOR WITH CONTACT BLOCK 1 NO + 1 NC ø22.5 RED 3SB 1200-OAC01 CONTACT BLOCK CAT. NO. 3SB-1400-OA SIEMENS MAKE		
19056	1	MUSHROOM ACTUATOR ø22.5 LATCHED WITH 1 NO + 1 NC CONTACT BLOCK RED COLOUR TYPE: 3SB1200-IAC01 CONTACT BLOCK TYPE : 3SB- 1400 - OA SIEMENS MAKE		WITHOUT FLP ENCLOSURE
19057	4	CONTACT BLOCK 1 NO + 1 NC REAR CONNECTION TYPE : 3SB- 1400 - OA SIEMENS MAKE		
19058	10	HRC FUSE BASE & WITH CARRIER 20A NSH TYPE ENG. ELECTRIC MAKE		
19059	10	HRC FUSE ENG. ELECT. MAKE 6A TYPE NS-6		
19060	10	HRC FUSE ENG. ELECT. MAKE 2A TYPE NS-2A		
19061	10	HRC FUSE ENG. ELECT. MAKE 16A TYPE NS-16		
19062	2	SICOP OVER LOAD RELAY RANGE 2.5 TO 4A CAT.NO. 3UA5200-1E SIEMENS MAKE		
19063	11	TWO POSITION MAINTAINED SELECTOR ACTUATOR WITH 1 NO + 1 NC CONTACT BLOCK TYPE 3SB 1201 2AB01 SIEMENS MAKE		

CHD. BY

DATE

SIG.

S6

FORMAT NO. 444002

PART NO.	NO. OFF	DESCRIPTION	MATERIAL	REMARKS	M.P.F.	
					ORDER NO.	SHT. NO.: 3
PART LIST : 125mm SEMI CMB. CRTDG. CASE					ASSY. DRG. NO.	
GROUP : WINDING M/C.					VMT-SK- 119-19000-11	
SUB GROUP : ELECTRICAL ASSEMBLY						
19064	1	1/18 RED PVC INSULATED WIRE 660V GRADE FINOLEX MAKE	100 METERS			
19065	1	2.5mm ² YELLOW COLOUR PVC INSULATED FLEXIBLE WIRE SINGLE CORE COPPER CONDUCTOR 660V GRADE FINOLEX MAKE	100 METERS			
19066	1	1.5mm ² GREY COLOUR PVC INSULATED FLEXIBLE WIRE SINGLE CORE COPPER CONDUCTOR 660V GRADE FINOLEX MAKE	100 METERS			
19067	1	1.5mm ² BLUE COLOUR PVC INSULATED FLEXIBLE WIRE SINGLE CORE 660V GRADE FINOLEX MAKE	100 METERS			
19068	1	1.5mm ² BLACK COLOUR PVC INSULATED FLEXIBLE WIRE SINGLE CORE 660V GRADE FINOLEX MAKE	100 METERS			
19069	200	PIN TYPE CRIMPING LUG WITH SLEEVE 1.5 mm ² EHI MAKE				

CHD. BY
DATE

SIG. *[Signature]*

FORMAT NO. 444002

M.P.F. AMBARNATH	PART LIST : 125mm SEMI CMB. CRTDG. CASE		ORDER NO.	SHT. NO.: 4/8
	GROUP : WINDING M/C.			
	SUB GROUP : ELECTRICAL ASSEMBLY			
ASSY. DRG. NO. VMT-SK- 119-19000-11				
PART NO.	NO. OFF	DESCRIPTION	MATERIAL	REMARKS
VMT.SK.119. 19070	24	ELEMEX CONNECTOR CHANNEL MOUNTING TYPE 2.5 mm ²		
19071	100	ELEMEX CONNECTOR CHANNEL MOUNTING TYPE 1.5 mm ²		
19072	1	MS CHANNEL FOR MOUNTING ELEMEX CONNECTOR 2.5sq.mm, 1.5sq.mm	2 METERS	
19073	1	PLASTIC CHANNEL 25 x 30 x 1mtr.	5 METERS	
19074	100	CHEESE HEAD SCREW M4 x 12 mm Lg	IS:1366	
19075	100	CHEESE HEAD SCREW M5 x 12 mm Lg	IS:1366	
19076	100	CHEESE HEAD SCREW M6 x 12 mm Lg	IS:1366	
19077	100	HEX. NUT M4	IS:1363	
19078	100	HEX. NUT M5	IS:1363	
19079	100	HEX. NUT M6	IS:1363	
19080	200	PLAIN WASHER ø4.5	IS:2016	
19081	200	PLAIN WASHER ø5.5	IS:2016	
19082	200	PLAIN WASHER ø6.5	IS:2016	
19083		FERRULE NUMBER 0 TO 9, 1.5sq.mm.	10 PKCTS OF EACH NUMBER	

CHD. BY
DATE

SIG. *86*

FORMAT NO. 444002

M.P.F.		PART LIST : 125mm SEMI CMB. CRTDG. CASE		ORDER NO.	5 8
AMBARNATH		GROUP :	WINDING M/C.	ASSY. DRG. NO.	
		SUB GROUP :	ELECTRICAL ASSEMBLY	VMT-SK- 119-19000-11	
PART NO.	NO. OFF	DESCRIPTION	MATERIAL	REMARKS	
VMT.SK.119.					
19084	1	PVC SLEEVE 1.5 mm, RED	25 METER		
19085	1	PVC STEEVE 3 mm, RED	25 METER		
19086	12	END CLIPS FOR CONNECTOR			
19087	12	END PLATE FOR CHANNEL MOUNTING TYPE CONNECTOR			
19088	12	'Z' CLAMP FOR MOUNTING M.S. CHANNEL			
19089	1	TRANSFORMER P-220 V S - 24V, 10A DELTA MAKE			
19090	1	BRIDGE RECTIFIER MOULDED TYPE 10A			
19091	1	DIGITAL AUTORESET COUNTER 3 1/2 DIGIT 6 DIGITS WITH RESET LEAD WIRE (WITH PLUG & SOCKET) SUPPLY VOLTS 24V D.C. SETTING-THUMBWHEEL MAKE : AVENTEK OR ANY STANDARD MAKE			
19092	2	230/240V AC LAMP UNIT (RESISTOR) RED - TYPE : 3SB 1212 6CC 06 SIEMENS MAKE			
19093	8	230/240V AC LAMP UNIT (RESISTOR) GREEN - TYPE : 3SB 1212 6CE 06 SIEMENS MAKE			

CHD. BY
DATE

SIG. *SB*

MACHINE TOOL PROTOTYPE FAC. ORY , AMBARNATH

M.P.F.		PART LIST : 125mm SEMI CMB. CRTDG. CASE		ORDER NO.	SHT. NO.: 6/8
AMBARNATH		GROUP : WINDING M/C.		ASST. DRG. NO.	
		SUB GROUP : ELECTRICAL ASSEMBLY		VMT-SK- 119-19000-11	
PART NO.	NO. OFF.	DESCRIPTION	MATERIAL	REMARKS	
VMT.SK.119.					
19094	12	PVC CABLE GLAND-1/2"			
19095	3	HRC FUSE BASE & WITH CARRIER 32 A ENG. ELECTRIC MAKE			
19096	3	HRC FUSE - 32 AMP EEC MAKE			
19097	2	PNEUMOELECTRIC CONVERTER MICRO SWITCH CONTACT 1 NO + 1 NC CONTACT PEV - 1/4-B 250V AC, 125V DC max WORKS PRESSURE -12BAR 15 - 175 PSI FESTO MAKE			
19098	1	MUSHROOM ACTUATOR Φ22.5 LATCHED WITH 1NO. + 1NC CONTACT BLOCK RED COLOUR TYPE 3SB1200-1A01 CONTACT BLOCK TYPE 3SB 1400-0A SIEMENS MAKE ENCLOSURE FLAME PROOF TO EX.GROUP 1, 11A, 11B PROTECTION IP65 WITH 1/2" BSP CABLE ENTRY & FLP CABLE GLAND IN FLAME PROOF BOX WITH 1/2" FLP CABLE GLAND			

CHD. BY
DATE

SIG. *SK*

FORMAT NO. 444002

MACHINE TOOL PROTOTYPE FACTORY, AMBARNATH

M.P.F. AMBARNATH	PART LIST : 125mm SEMI CMB. CRTDG. CASE		ORDER NO.	SHT. NO.: 7/8
	GROUP :	WINDING M/C.		
PART NO.	NO. OFF	DESCRIPTION	MATERIAL	REMARKS
VMT.SK.119.	4	<p>ISOLATING SWITCH SIEMENS MAKE TYPE 3LA0-201-1YA 16A, 500V, 3 PHASE ENCLOUSER FLAMEPROOF WALL MOUNTING TO EX GROUP I, IIA, IIB PROTECTION - IP65 AS PER IS : 2148 1/2" CABLE GLAND ENTRY - 2Nos WITH FLP CABLE GLAND</p>		
19099	1	<p>ISOLATING SWITCH SIEMENS MAKE TYPE 3LA0-201-1YA 16A, 500V, 3 PHASE ENCLOUSER FLAMEPROOF WALL MOUNTING TO EX GROUP I, IIA, IIB PROTECTION - IP65 AS PER IS : 2148 1/2" CABLE GLAND ENTRY - 2Nos WITH FLP CABLE GLAND</p>	100 METERS	
19100	1	<p>1.5mm² x 4 CORE PVC CABLE FLEXIBLE COPPER CONDUCTOR 1100V GRADE FINOLEX MAKE</p>		
19101	2	<p>LIMIT SWITCH 1 NO. + 1 NC CONTACT SNAP ACTION, 3 SX 102 NORMAL ROLLER LEVER 3 SE 3 100 - 1E SIEMENS MAKE</p>		

CHD. BY
DATE

20/12/11

SIG. *[Signature]*

FORMAT NO. 444002

MACHINE TOOL PROTOTYPE FACTORY, AMBARNATH

M.P.F. AMBARNATH	PART LIST : 125mm SEMI CMB. CRTDG. CASE		ORDER NO.	SHT. NO.: 8/4
	GROUP :	WINDING M/C.		
PART NO.	NO. OFF	DESCRIPTION	MATERIAL	REMARKS
19102	1	PVC FLEXIBLE CONDUIT PIPE 1/2"	25 METER	
19103	10	ADAPTOR 1/2" FOR PVC FLEXIBLE CONDUIT PIPE		
19104	1	TEMP. SWITCH TYPE RT-107 CAPILLARY LENGTH 8 METERS TEMP. RANGE 70-150°C DEFERENTIAL 1.8-8 MAX. PERMISSIBLE TEMP. 215°C SENSING ELEMENT: TIN PLATED COPPER BULB & CAPILLARY WITH SPRING STEEL ARMOURING ON CAPILLARY WITH THERMOWELL. SWITCH ELEMENT : 1 NO SPDT/10A res 4 A ind 380 VAC, 12W 220 VDC ENCLOSURE : FLP EXPLOSION PROOF TO GROUPI ,IIA & IIB AS PER IS:2148 WITH 3/4" ET, DOUBLE COMPRESSION CABLE GLAND. DIAL TYPE TEMP. INDICATOR RANGE 0-150°C DIAL SIZE: ø6" CAPILLARY LENGTH 3 METERS MAKE- INDFOS OR ANY STD. MAKE		
19105	1	DIAL TYPE TEMP. INDICATOR RANGE 0-150°C DIAL SIZE: ø6" CAPILLARY LENGTH 3 METERS MAKE- INDFOS OR ANY STD. MAKE		
19106	1	FLAME SENSOR RATING 220V AC/110V DC CONTACT ELEMENT 1 NO + 1 NC ENCLOUSER FLAMEPROOF TO EX GROUP I, IIA, IIB PROTECTION - IP65 AS PER IS : 2145 1/2" CABLE GLAND ENTRY WITH FLP CABLE GLAND		
19107	1	PROXIMITY SENSOR PNP TYPE ø12mm 10-30 V D.C. ±20%		

CHD. BY
DATE

SIG. *S.K.*

2012

FORMAT NO. 444002

MACHINE TOOL PROTOTYPE FACTORY, AMBARNATH

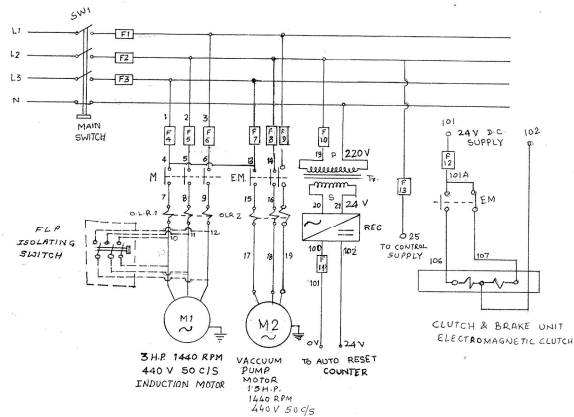
<p>M.P.F. AMBARNATH</p>	<p>PART LIST : 125 mm. SCCC WINDING M/C GROUP : <u>ELECT. ASSY.</u> SUB GROUP :</p>	<p>ORDER NO. ASST. DRG. NO. VMTSK - 119 - 19000 - 11</p>	<p>SHT. NO. <u>7/8</u></p>
PART NO.	NO. OFF	DESCRIPTION	REMARKS
<p>VM7-SK-119. 19108</p>	<p>2</p>	<p>UNIVERSAL SPARK - SUPPRESSOR, FOR SIMPLATROLL BRAKE- CLUTCH UNIT CONSISTS OF VARISTOR - ELPRD - RDN - 510109, CAPACITOR DEC-MER 0.1/k/1000</p>	<p>added on - 12-11-01 <i>[Signature]</i> RF/elt</p>

CHD. BY :

SIG. *[Signature]*

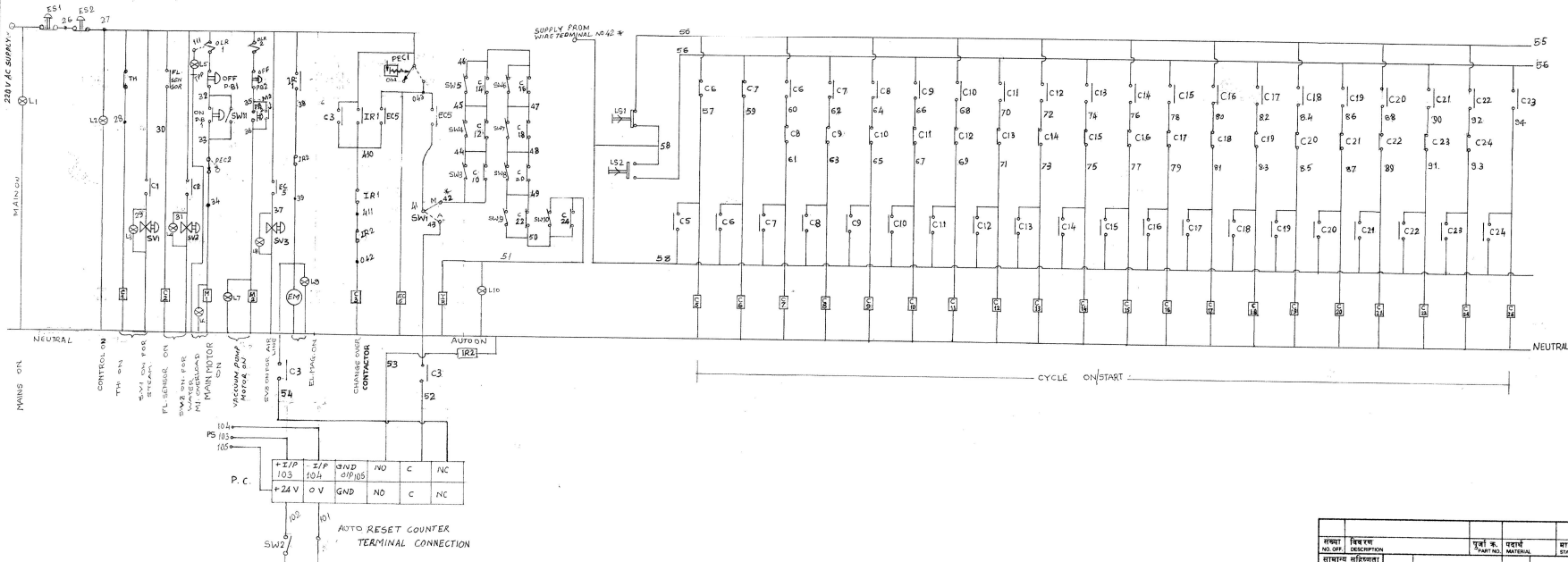
DATE : 12.11.2001

FORMAT NO. 444002



C1 : CONTACTOR FOR TEMPERATURE CONTROL VALVE
 C2 : CONTACTOR FOR WATER LINE
 C3 : CONTACTOR FOR CHANGE OVER
 C5 - C24 } ELECTROMAGNET CONTROL
 EC5 }
 EM : CONTACTOR FOR ELECTROMAGNET
 F1, F2, F3 : MAIN FUSE
 F4, F5, F6 : MAIN MOTOR FUSE (UNFUSED IN BEARING M/C)
 F7, F8, F9 : VACUUM PUMP MOTOR FUSE
 F10 : ELECTROMAGNET FUSE
 F10 : TRANSFORMER PRIMARY SIDE FUSE
 F11 : TRANSFORMER SECONDARY SIDE FUSE
 FL : SENSOR : FLAME SENSOR
 LI-L10 : EMERGENCY LAMPS
 ZR : INTERMEDIATE CONTACTOR
 JR : INTERMEDIATE CONTACTOR
 EST : EMERGENCY SWITCH MOUNTED ON M/C PANEL
 ES2 : EMERGENCY SWITCH MOUNTED ON M/C.

LS1-LS2 : LIMIT SWITCH
 M1 : CONTACTOR FOR MAIN MOTOR
 M2 : CONTACTOR FOR VACUUM PUMP MOTOR
 CLR1 : OVER-LOAD RELAY TO MOTOR
 CLR2 : OVER-LOAD RELAY TO VACUUM PUMP MOTOR
 OFF PB1 : OFF PUSH BUTTON FOR MAIN MOTOR
 ON PB2 : ON PUSH BUTTON FOR MAIN MOTOR
 RC : AUTO RESET COUNTER
 PE1-PE2 : PNEUMATIC CONTROL VALVE
 SW2 : CHANGE OVER TWO WAY SWITCH
 SW3 TO SW10 : SWITCH FOR EM CONTROL
 SW11 : FOR AUXILIARY SWITCH TO REAR MOTOR
 SV1 : SV FOR TEMPERATURE CONTROL VALVE
 SV2 : SV FOR WATER LINE
 SV3 : SV FOR PNEUMATIC LINE
 TH : THERMOCOUPLE CONTACT
 PS : PROXIMITY SENSOR
 OFF PB2 : OFF PUSH BUTTON FOR VACUUM PUMP MOTOR
 ON PB2 : ON PUSH BUTTON FOR VACUUM PUMP MOTOR
 SW1 : ISOLATING SWITCH



इन आरेखों तथा इसके साथ की समस्त सामग्री का स्वतंत्राधिकार भारत सरकार, या संसद की भारतीय आस विभागों के पास है। भारतीय आस विभागों के अनुमति के बिना किसी अंग्रेजी जर्नल या किसी भी रूप में इसके उद्धरण या इसके समाहित करना किसी व्यक्तिगत रूप से नहीं किया जा सकता है।
 THE COPYRIGHT OF THESE DRAWINGS AND ALL ATTACHMENTS THERE TO BELONGS TO THE INDIAN ORDNANCE FACTORIES, MINISTRY OF DEFENCE, GOVT. OF INDIA. THEY SHOULD NOT BE COPIED OR REPRODUCED IN ANY WAY OR THE INFORMATION CONTAINED THEREIN MADE AVAILABLE TO UNAUTHORIZED PERSONS WITHOUT THE WRITTEN PERMISSION OF THE DIRECTOR GENERAL OF ORDNANCE FACTORIES.

क्र.सं.	विवरण	वर्ग	मात्रा	मापक	परिमाण	अवधि
1	सामान्य सामग्री	1	1	1	1	1
2	विशेष सामग्री	2	2	2	2	2
3	सामान्य सामग्री	3	3	3	3	3
4	विशेष सामग्री	4	4	4	4	4
5	सामान्य सामग्री	5	5	5	5	5
6	विशेष सामग्री	6	6	6	6	6
7	सामान्य सामग्री	7	7	7	7	7
8	विशेष सामग्री	8	8	8	8	8
9	सामान्य सामग्री	9	9	9	9	9
10	विशेष सामग्री	10	10	10	10	10
11	सामान्य सामग्री	11	11	11	11	11
12	विशेष सामग्री	12	12	12	12	12
13	सामान्य सामग्री	13	13	13	13	13
14	विशेष सामग्री	14	14	14	14	14
15	सामान्य सामग्री	15	15	15	15	15
16	विशेष सामग्री	16	16	16	16	16
17	सामान्य सामग्री	17	17	17	17	17
18	विशेष सामग्री	18	18	18	18	18
19	सामान्य सामग्री	19	19	19	19	19
20	विशेष सामग्री	20	20	20	20	20
21	सामान्य सामग्री	21	21	21	21	21
22	विशेष सामग्री	22	22	22	22	22
23	सामान्य सामग्री	23	23	23	23	23
24	विशेष सामग्री	24	24	24	24	24
25	सामान्य सामग्री	25	25	25	25	25
26	विशेष सामग्री	26	26	26	26	26
27	सामान्य सामग्री	27	27	27	27	27
28	विशेष सामग्री	28	28	28	28	28
29	सामान्य सामग्री	29	29	29	29	29
30	विशेष सामग्री	30	30	30	30	30
31	सामान्य सामग्री	31	31	31	31	31
32	विशेष सामग्री	32	32	32	32	32
33	सामान्य सामग्री	33	33	33	33	33
34	विशेष सामग्री	34	34	34	34	34
35	सामान्य सामग्री	35	35	35	35	35
36	विशेष सामग्री	36	36	36	36	36
37	सामान्य सामग्री	37	37	37	37	37
38	विशेष सामग्री	38	38	38	38	38
39	सामान्य सामग्री	39	39	39	39	39
40	विशेष सामग्री	40	40	40	40	40
41	सामान्य सामग्री	41	41	41	41	41
42	विशेष सामग्री	42	42	42	42	42
43	सामान्य सामग्री	43	43	43	43	43
44	विशेष सामग्री	44	44	44	44	44
45	सामान्य सामग्री	45	45	45	45	45
46	विशेष सामग्री	46	46	46	46	46
47	सामान्य सामग्री	47	47	47	47	47
48	विशेष सामग्री	48	48	48	48	48
49	सामान्य सामग्री	49	49	49	49	49
50	विशेष सामग्री	50	50	50	50	50
51	सामान्य सामग्री	51	51	51	51	51
52	विशेष सामग्री	52	52	52	52	52
53	सामान्य सामग्री	53	53	53	53	53
54	विशेष सामग्री	54	54	54	54	54
55	सामान्य सामग्री	55	55	55	55	55
56	विशेष सामग्री	56	56	56	56	56
57	सामान्य सामग्री	57	57	57	57	57
58	विशेष सामग्री	58	58	58	58	58
59	सामान्य सामग्री	59	59	59	59	59
60	विशेष सामग्री	60	60	60	60	60
61	सामान्य सामग्री	61	61	61	61	61
62	विशेष सामग्री	62	62	62	62	62
63	सामान्य सामग्री	63	63	63	63	63
64	विशेष सामग्री	64	64	64	64	64
65	सामान्य सामग्री	65	65	65	65	65
66	विशेष सामग्री	66	66	66	66	66
67	सामान्य सामग्री	67	67	67	67	67
68	विशेष सामग्री	68	68	68	68	68
69	सामान्य सामग्री	69	69	69	69	69
70	विशेष सामग्री	70	70	70	70	70
71	सामान्य सामग्री	71	71	71	71	71
72	विशेष सामग्री	72	72	72	72	72
73	सामान्य सामग्री	73	73	73	73	73
74	विशेष सामग्री	74	74	74	74	74
75	सामान्य सामग्री	75	75	75	75	75
76	विशेष सामग्री	76	76	76	76	76
77	सामान्य सामग्री	77	77	77	77	77
78	विशेष सामग्री	78	78	78	78	78
79	सामान्य सामग्री	79	79	79	79	79
80	विशेष सामग्री	80	80	80	80	80
81	सामान्य सामग्री	81	81	81	81	81
82	विशेष सामग्री	82	82	82	82	82
83	सामान्य सामग्री	83	83	83	83	83
84	विशेष सामग्री	84	84	84	84	84
85	सामान्य सामग्री	85	85	85	85	85
86	विशेष सामग्री	86	86	86	86	86
87	सामान्य सामग्री	87	87	87	87	87
88	विशेष सामग्री	88	88	88	88	88
89	सामान्य सामग्री	89	89	89	89	89
90	विशेष सामग्री	90	90	90	90	90
91	सामान्य सामग्री	91	91	91	91	91
92	विशेष सामग्री	92	92	92	92	92
93	सामान्य सामग्री	93	93	93	93	93
94	विशेष सामग्री	94	94	94	94	94
95	सामान्य सामग्री	95	95	95	95	95
96	विशेष सामग्री	96	96	96	96	96
97	सामान्य सामग्री	97	97	97	97	97
98	विशेष सामग्री	98	98	98	98	98
99	सामान्य सामग्री	99	99	99	99	99
100	विशेष सामग्री	100	100	100	100	100