

Appendix-'G'

AUTOMATIC DISKING MACHINE

INPUT:-

1. A) ALUMINUM SHELL BODY OF T S SHELL (NORMAL & ELECTRIC) :-

LENGTH	-	158.50 MM
DIA	-	38.35 MM
HOLE TO HOLE LENGTH	-	47.60 MM
HOLE DIA	-	4.76 MM X 4 HOLE

B) WP SHELL :-

LENGTH	-	172.4 MM
DIA	-	38.2 MM
HOLE TO HOLE LENGTH	-	47.60 MM
HOLE DIA	-	4.76 MM X 4 HOLE

C) T S GRENADE (BODY)

LENGTH	-	97.5 ± 0.25 MM
DIA	-	56.20 - 0.50 MM
DISTANCE FROM BASE TO EMISSION HOLE	-	63.5 ± 0.45 MM
HOLE DIA	-	7.00 ± 0.2 MM X 2 HOLE

D) T S GRENADE (CAP)

LENGTH	-	35.82 MM
DIA	-	55.29 MM
HOLE TO HOLE LENGTH	-	26.37 MM
HOLE DIA	-	6.6 MM

D) T S SOFT NOSE BODY (35/50 MTR)

LENGTH	-	178.30 ± 0.20 MM
DIA	-	38.00 ± 0.20 MM
HOLE TO HOLE LENGTH	-	40.00 ± 0.20 MM
HOLE DIA	-	5.00 MM X 4 HOLE

2. Adhesive disc- 16 mm

3. ADHSIVE DISC - 12 MM (CAP FOR GRENADE)

OUTPUT:-

PROPERLY DISKED

- A) ALUMINUM SHELL BODY
- B) WP SHELL BODY

RATE

2000 Nos/ hrs.

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QUALITATIVE REQUIREMENTS

1)	ALL MOVING PARTS OF MACHINE SHOULD BE CORROSION RESISTANT, FLAME AND SPARK PROOF AND MADE OF ISI / CLASS APPROVED QUALITY MATERIAL.
2)	MACHINE SHOULD HAVE FACILITY TO BLOCK ALL EMISSION HOLES OF HARDWARE BOTH ALUMINIUM AND HDPE BY PROPER FIXING SILVER ROUND DISK FROM OUTER SIDE ON EMISSION HOLES AT SIDES OF SHELLS AND AT SIDES AND TOP OF GRENADES.
3)	IN CASE OF MALFUNCTIONING, THE MACHINE SHOULD HAVE AUTOMATIC TRIPPING SYSTEM ALONG WITH AUDIO AND VISUAL INDICATORS.
4)	MACHINE SHOULD HAVE DIGITAL DISPLAY TO INDICATE NUMBER OF PREPARED AND REJECTED HARDWARE.
5)	ALL ELECTRIC EQUIPEMENTS / COMPONENTS FITTED IN THE MACHINE SHOULD BE OF REPUTED BRAND AND OF ISO CERTIFIED COMPANY .
6)	MACHINE WILL HAVE PROPER SAFEGUARDS FOR THE SAFETY OF THE OPERATOR.
7)	MACHINE SHOULD OPERATE PREFERABLY ON PLC CONTROL OF IEC-61131 STANDARD
8)	MACHINE SHOULD BE ABLE TO OPERATE WITHIN OPERATING TEMPERATURE $25 \pm 10^{\circ}$ C AND OPERATING HUMIDITY $40 \pm 15\%$.
9)	ALL ELECTRIC WIRING AND ELECTRICAL COMPONENTS SHOULD BE PROPERLY CASED AND FLAME PROOF AND EASILY ACCESSIBLE FOR REPAIR AND MAINTENANCES
10)	MACHINE SHOULD BE COMPACT TO SAVE SPACE AND EASY TO ACCESS FOR REPAIR AND MAINTENANCES.
11)	BASIC STRUCTURE OF MACHINE SHOULD BE MADE OF ISI / CLASS APPROVED QUALITY METAL, RESISTANT TO CORROSION / RUSTING AND FLAME.
12)	USER MANUAL WITH REQUIRED ILLUSTRATIONS TO BE PROVIDED WITH MACHINE.
13)	INSTRUCTION ON REPAIR & MAINTENANCE TO BE PROVIDED WITH MACHINE.
14)	RUNNING SPARE PARTS WITH ILLUSTRATED LIST SHOULD BE PROVIDED WITH MACHINE.
15)	OPERATIONAL TRAINING SHOULD BE ARRANGED FOR 1 WEEKS FOR MINIMUM 15 PERS.

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16)	REPAIR AND MAINTENANCE TRAINING SHOULD BE ARRANGED FOR 1 WEEKS FOR MINIMUM 10 PERS.
17)	SPECIFIC GAUGES AND MAINTENANCE TOOLS SHOULD BE PROVIDED WITH MACHINE.
18)	<u>GUARANTEE / WARRANTY:-</u> i) MACHINE SHOULD HAVE 2 YEARS GUARANTEE / WARRANTY AFTER COMMISSIONING. ii) PREVENTIVE MAINTENANCE ONCE IN 3 MONTH DURING GUARANTEE / WARRANTY PERIOD. iii) GUARANTEE/ WARRANTY WILL BE COMPREHENSIVE i.e INCLUSIVE OF SPARE PARTS.
19)	AMC PERIOD SHOULD BE 05 YEARS AFTER EXPIRY OF GUARANTEE / WARRANTY PERIOD.

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AUTOMATIC DISKING MACHINE

SL NO	QUALITATIVE / REQUIREMENTS	METHODOLOGY	COMPLIED / NOT COMPLIED
1	ALL MOVING PARTS OF MACHINE SHOULD BE CORROSION RESISTANT, FLAME AND SPARK PROOF AND MADE OF ISI / CLASS APPROVED QUALITY MATERIAL.	The firm should submit national / International accredited Lab test report for this aspect.	
2	MACHINE SHOULD HAVE FACILITY TO BLOCK ALL EMISSION HOLES OF HARDWARE BOTH ALUMINIUM AND HDPE BY PROPER FIXING SILVER ROUND DISK FROM OUTER SIDE ON EMISSION HOLES AT SIDES OF SHELLS AND AT SIDES AND TOP OF GRENADES.	Physical Verification by BOOs	
3	IN CASE OF MALFUNCTIONING, THE MACHINE SHOULD HAVE AUTOMATIC TRIPPING SYSTEM ALONG WITH AUDIO AND VISUAL INDICATORS.	The firm should submit national / International accredited Lab test report for this aspect & Physical Verification by BOOs	
4	MACHINE SHOULD HAVE DIGITAL DISPLAY TO INDICATE NUMBER OF PREPARED AND REJECTED HARDWARE.	Physical Verification by BOOs	
5	ALL ELECTRIC EQUIPEMENTS / COMPONENTS FITTED IN THE MACHINE SHOULD BE OF REPUTED BRAND AND OF ISO CERTIFIED COMPANY .	The firm should submit national / International accredited Lab test report for this aspect.	
6	MACHINE WILL HAVE PROPER SAFEGUARDS FOR THE SAFETY OF THE OPERATOR.		
7	MACHINE SHOULD OPERATE PREFERABLY ON PLC CONTROL OF IEC-61131 STANDARD	The firm should submit national / International accredited Lab test report for this aspect.	
8	MACHINE SHOULD BE ABLE TO OPERATE WITHIN OPERATING TEMPERATURE 25 ± 10° C AND OPERATING HUMIDITY 40 ± 15%.	Physical Verification by BOOs	
9	ALL ELECTRIC WIRING AND ELECTRICAL COMPONENTS SHOULD BE PROPERLY CASED AND FLAME PROOF AND EASILY ACCESSIBLE FOR REPAIR AND MAINTENANCES	The firm should submit national / International accredited Lab test report for this aspect & Physical Verification by BOOs	
10	MACHINE SHOULD BE COMPACT TO FIT IN TO SAVE SPACE AND EASY TO ACCESS FOR REPAIR AND MAINTENANCES.	Physical Verification by BOOs	

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11	BASIC STRUCTURE OF MACHINE SHOULD BE MADE OF ISI / CLASS APPROVED QUALITY METAL, RESISTANT TO CORROSION / RUSTING AND FLAME.	The firm should submit national / International accredited Lab test report for this aspect.	
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PO

M-1

M-2

M-3

M-4

Co-M-1

Co-M-2

Co-M-3

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