

PRELIMINARY SPECIFICATION FOR NEW SMALL ARMS AMMUNITION PRODUCTION LINE

Ser	Nomenclature	Technical Specification
1.	Name of the Project	Small Arms Ammunition Manufacturing Line
2.	Country of Origin	Group-B
3.	Product Caliber (The Manufacturing Line should be able to produce types of Ammo as shown :)	a. 7.62x39 mm Ball b. 7.62x49 mm Blank c. 7.62x54 mm Ball d. 7.62x54 mm Blank e. 7.62x39 mm Tracer f. 7.62x39 mm API g. 7.62x54 mm Tracer h. 7.62x54 mm API
4.	Composition of Manufacturing Line (The Manufacturing Line should have production line facilities with necessary required machineries and implement the project on Turn Key basis)	a. Blanking & Cupping Line b. Case Line for Brass and Steel Case c. Bullet Line d. Assembly Line for both boxer and berdan primer type Brass and Steel case (with packaging facilities) e. Heat Treatment Line f. Coating/Painting Line g. Washing Plant h. Primer Cap production line (Only for boxer type primer) j. All Production Line should have inspection and testing facilities
5.	Capacity of Plant (The Manufacturing Line should be able to produce 25 million Ammo in one shift)	a. Rate of Production – Minimum 250 Rounds per minute b. Efficiency - Minimum 85% or To be mentioned c. Working Hour : To be mentioned d. Working Day : To be mentioned e. No. of shift : 01 (One) f. Production quantity per year : 25 million in one shift
6.	Raw Materials (The production line should be able to produce Carts Case using both Brass and Steel)	a. Brass and Steel for Carts Case : Using both raw material final product to be ensured b. GMCS, Steel, Lead and others materials for bullet
7.	Requirement of Case and Primer type (The project should have the capability to produce Brass type and steel type case. Separate boxer type primer line to be established and assembly line to be capable for both boxer and berdan type primer)	a. Brass and Steel Case b. Boxer and Barden Type Primer: Separate Boxer type Primer production line to be established. Assembly line for both proposed established boxer type and BOF existing Berdan type primer to be established



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8.	Number of Machine Required for (Detail Technical Specification with type and quantity of the machine for each production line is to be mentioned)	<p>a. Blanking & Cupping Line : Machine detail with quantity to be provided</p> <p>b. Case Line for Brass and Steel type of case : Machine detail with quantity to be provided</p> <p>c. Bullet Line : Machine detail with quantity to be provided</p> <p>d. Assembly Line for both boxer and berdan primer type Brass and Steel case (with packaging facilities): Machine detail with quantity to be provided</p> <p>e. Heat Treatment Line : Machine detail with quantity to be provided</p> <p>f. Coating/Painting Line : Machine detail with quantity to be provided</p> <p>g. Washing Plant : Machine detail with quantity to be provided</p> <p>h. Primer Cap production line (Only for boxer type primer) : Machine detail with quantity to be provided</p> <p>j. Inspection and testing facility for above mentioned line : Machine detail with Inspection and Test Bench with quantity to be provided</p>
9.	Manpower Required for (Need to mention the required manpower for the manufacturing line)	<p>a. Blanking & Cupping Line : To be mentioned</p> <p>b. Case Line for both Brass and Steel case : To be mentioned</p> <p>c. Bullet Line : To be mentioned</p> <p>d. Assembly Line for both boxer and berdan primer type Brass and Steel case (with packaging facilities): To be mentioned</p> <p>e. Heat Treatment Line : To be mentioned</p> <p>f. Coating/Painting Line : To be mentioned</p> <p>g. Washing Plant : To be mentioned</p> <p>h. Primer Cap production line (Only for boxer type primer) : To be mentioned</p> <p>j. Inspection and testing facility for above mentioned line : To be mentioned</p>
10.	Price to be Quoted (Detail approximate price to be mentioned)	<p>a. Blanking & Cupping Line : Detail approximate price of each machine to be mentioned</p> <p>b. Case Line for both Brass and Steel combined and separate : Detail approximate price of each machine to be mentioned</p> <p>c. Bullet Line : Detail approximate price of each machine to be mentioned</p> <p>d. Assembly Line for both boxer and berdan primer type Brass and Steel case (with packaging facilities): Detail approximate price of each machine to be mentioned</p> <p>e. Heat Treatment Line : Detail approximate price of each machine to be mentioned</p> <p>f. Coating/Painting Line : Detail approximate price of each</p>



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		<p>machine to be mentioned</p> <p>g. Washing Plant : Detail approximate price of each machine to be mentioned</p> <p>h. Primer Cap production line (Only for boxer type primer) : Detail approximate price of each machine to be mentioned</p> <p>j. Inspection and testing facility for above mentioned line : Detail approximate price of each Machine, Inspection and Test Bench is to be provided</p>
11.	Project Implementation & Required Service Support (The manufacturing line must be implemented as a Turn Key project, final product)	<p>a. Project to be implemented in turn key basis</p> <p>b. 100% Assurance of Service Support</p> <p>c. Detail Drawing of the product, Fast Moving Spare Parts as Required to be included for at least three years</p> <p>d. Operation & Maintenance Manual : To be provided in English</p> <p>e. Required Drawings :</p> <p>i) Detail drawing of Tools, Cutter, Zig, Fixture, Die, Punch to be provided</p> <p>ii) Detail drawing of the product to be provided</p> <p>f. Possible Technology : Detail technical description with working principal to be provided</p>
12.	Floor Space Required (Detail floor space requirement of each production line need to be mentioned)	<p>a. Blanking & Cupping Line : To be mentioned</p> <p>b. Case Line for both Brass and Steel case : To be mentioned</p> <p>c. Bullet Line : To be mentioned</p> <p>d. Assembly Line for both boxer and berdan primer type Brass and Steel case (with packaging facilities): To be mentioned</p> <p>e. Heat Treatment Line : To be mentioned</p> <p>f. Coating/Painting Line : To be mentioned</p> <p>g. Washing Plant : To be mentioned</p> <p>h. Primer Cap production line (Only for boxer type primer) : To be mentioned</p> <p>j. Inspection and testing facility for above mentioned line : To be mentioned</p>
13.	Utility Service Required	To maintain all Production Line : To be mentioned
14.	Inspection Criteria	<p>a. Inspection criteria for case : Detail Test and Inspection criteria to be mentioned</p> <p>b. Inspection criteria for bullet : Detail Test and Inspection criteria to be mentioned</p> <p>c. Inspection criteria for assemble cartridge : Detail Test and Inspection criteria to be mentioned</p> <p>d. Functional and Firing Test Criteria : To be mentioned</p> <p>e. Stage inspection : To be mentioned</p> <p>f. PSI criteria : To be mentioned</p> <p>g. JPSI criteria : To be mentioned</p>

