

# “Centre of Excellence for Small and Medium Farm Implements”

*Adhoc project funded by*

Uttar Pradesh State Government

Department of Farm Machinery and Power Engineering

VIAET, SHUATS

PRAYAGRAJ

## List of Raw Materials

Sl. No.	Item name	Size	Quantity
<b>1.</b>	<b>Angle</b>		
	Angle	40x40x6 mm	5 length
	Angle	35x35x5 mm	5 length
	Angle	30x30x3 mm	5 length
	Angle	25x25x3 mm	5 length
	Angle	½ inch.	5 length
<b>2.</b>	<b>Flat MS</b>		
	Flat MS	40x5 mm	5 length
	Flat MS	35x5 mm	5 length
	Flat MS	30x3 mm	5 length
	Flat MS	25x3 mm	5 length
	Flat MS	50x10 mm	5 length
	Flat MS	½ inch. (12.5x3mm)	5 length
<b>3.</b>	<b>Sheet</b>		
	Sheet MS	16 gauge	5 Sheet
	Sheet MS	18 gauge	5 Sheet
	Sheet MS	20 gauge	5 Sheet
	Sheet MS	22 gauge	5 Sheet
	Sheet MS	3 mm (thickness)	5 Sheet
	Sheet MS	5 mm (thickness)	5 Sheet
	<b>Sheet (steel)</b>	3 mm (thickness)	1 sheet
	<b>Sheet (steel)</b>	5 mm (thickness)	1 sheet
<b>4.</b>	<b>Wire</b>		
	Wire	10 No.	10 kg.
	Wire	6 mm (thickness)	10 kg.
<b>5.</b>	<b>Round Rod MS</b>		
	Round rod	5 mm	5 length
	Round rod	10 mm	5 length
	Round rod	½ inch. (12.5mm)	5 length
	Round rod	15 mm	5 length
	Round rod	20 mm	5 length
	Round rod	25 mm	5 length
	Round rod	30 mm	5 length
	Round rod	40 mm	5 length

<b>6.</b>	<b>Nut bolt (round screw head)</b>			
	Nut bolt	1 ½ inch.		5 kg.
	Nut bolt	2 inch.		5 kg.
<b>7.</b>	<b>Nut bolt (wrench head)</b>			
	Nut bolt	6 no.	1 inch.	2 kg.
	Nut bolt	6 no.	2 inch.	2 kg.
	Nut bolt	6 no.	3 inch.	2 kg.
	Nut bolt	8 no.	1 inch.	2 kg.
	Nut bolt	8 no.	2 inch.	2 kg.
	Nut bolt	8 no.	3 inch.	2 kg.
	Nut bolt	10 no.	1 inch.	3 kg.
	Nut bolt	10 no.	2 inch.	3 kg.
	Nut bolt	10 no.	3 inch.	3 kg.
	Nut bolt	13 no.	1 inch.	5 kg.
	Nut bolt	13 no.	2 inch.	5 kg.
	Nut bolt	13 no.	3 inch.	5 kg.
	Nut bolt	13no.	6 inch.	5 kg.
	Nut bolt	15 no.	1 inch.	5 kg.
	Nut bolt	15 no.	2inch.	5 kg.
	Nut bolt	15 no.	3 inch.	5 kg.
	Nut bolt	18 no.	1 inch.	5 kg.
	Nut bolt	18 no.	2 inch.	5 kg.
	Nut bolt	18 no	3 inch.	5 kg.
	Nut bolt	21 no	1 inch.	5 kg.
	Nut bolt	21 no.	2 inch.	5kg.
	Nut bolt	21 no.	3 inch.	5kg.
	Nut bolt	24 no.	1 inch.	5kg.
	Nut bolt	24 no.	2 inch.	5 kg.
	Nut bolt	24 no.	3 inch.	5 kg.
	Half Thread Nut bolt	15 no.	6 inch.	5 kg.
	Half Thread Nut bolt	13 no.	6 inch.	5 kg.
<b>8.</b>	<b>Gears</b>			
	Gears	12 ½ inch	100 teeth	10 pieces
	Gears	3 inch.	20 teeth	10 pieces
	Gears	12 ½ inch.	100 teeth	10 pieces
	Gears	3 inch.	20 teeth	10 pieces
<b>9.</b>	<b>Bearing with housing/bearing</b>			
	Bearing with housing	P 202		20 pieces
	Bearing with housing	P203		20 pieces
	Bearing with housing	P204		20 pieces
	Bearing with housing	P 205		20 pieces
	Bearing with housing	P206		20 pieces
	Bearing	6904 RS		20 pieces
	Bearing	6204 2RS		20 pieces
	Bearing	10mm hole		12 pieces
	Bearing	15mm hole		12 pieces

<b>10.</b>	<b>Cycle gear Big</b>		20 pieces
<b>11.</b>	<b>Cycle free wheel</b>		20 pieces
<b>12.</b>	<b>Cycle chain</b>		20 pieces
<b>13.</b>	<b>Square pipe</b>		
	Square pipe	1 inch. x 1 inch. 3mm	5 length
	Square pipe	1 inch. x 2 ½ inch. 2mm	5 length
	Square pipe	½ inch. 2 mm (thickness)	2 length
	Square pipe	¾ inch.	2 length
<b>14.</b>	<b>Wooden flats</b>		
	Wooden flats	44x3x2 ½	20 pieces
	Wooden flats	35x2 ½ x ¾	20 pieces
<b>15.</b>	<b>Cycle wheel (complete rim)</b>		10 pieces
<b>16.</b>	<b>Round pipe (black)</b>		
	Round Pipe	10 mm	3 length
	Round Pipe	½ inch. – 3mm	10 length
	Round Pipe	¾ inch – 3mm	10 length
	Round Pipe	1 inch – 3mm	10 length
	<b>Round pipe (steel)</b>	Dia- 2 inch, thickness- 2mm	10 length
<b>17.</b>	<b>Square rod</b>		
	Square rod	5 mm	5 length
	Square rod	10 mm	5 length
	Square rod	12 mm	5 length
	Square rod	15 mm	5 length
	Square rod	20 mm	5 length
	Square rod	25 mm	5 length
<b>18.</b>	<b>Iron cup</b>	2 inch.	120 pieces
<b>19.</b>	<b>Nails (steel)</b>		
	Nail	1 ½ inch.	5 kg.
	Nail	2 inch.	5 kg.
	Nail	2 ½ inch.	5 kg.
	Nail	3 inch.	5 kg.
<b>20.</b>	<b>Steel rod</b>	5 mm	10 length
	Steel rod	10 mm	10 length
<b>21.</b>	<b>Elevator compression spring (Double closed ends) with wide space</b>	Length 1 ¾ inch. Inner Dia-12mm Wire thickness – 2mm	40 pieces
<b>22.</b>	<b>Drill bit</b>		
	Drill bit	1 ½ mm	12 pieces
	Drill bit	2 mm	12 pieces
	Drill bit	3 mm	12 pieces

	Drill bit	4 mm	12 pieces
	Drill bit	5 mm	12 pieces
	Drill bit	6 mm	3 pieces
	Drill bit	7 mm	3 pieces
	Drill bit	7.5 mm	3 pieces
	Drill bit	8 mm	3 pieces
	Drill bit	9 mm	3 pieces
	Drill bit	10 mm	3 pieces
	Drill bit	12 mm	3 pieces
	Drill bit	15 mm	2 pieces
	Drill bit	18 mm	1 piece
	Drill bit	20 mm	1 piece
	Drill bit	25 mm	1 piece
<b>23.</b>	<b>Grinding wheel</b>	4 inch	2 pkt.
<b>24.</b>	<b>Cutting wheel</b>	4 inch	30 pkt.
<b>25.</b>	<b>Welding rod(ms)</b>	8 no.	10 pkt.
		10 no.	10 pkt.
		12 no.	10 pkt.
	<b>Welding rod(cast iron)</b>	10 no.	1 pkt.
		12 no.	1 pkt.
	<b>Welding rod (steel)</b>	10 no.	5 pkt.
		12 no.	5 pkt.
<b>26.</b>	<b>Emery paper</b>	70,80,90,100,120	10 pieces each
<b>27.</b>	<b>Fiber round rod</b>	6 inch. thickness	5 feet
	<b>Fiber round rod</b>	8 inch. thickness	5 feet
	<b>Fiber round rod</b>	10 inch. thickness	5 feet

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