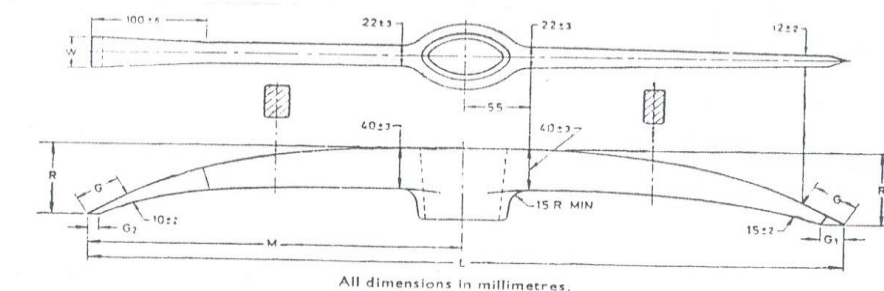


1. Chisel

Name of the Product.	Flat Cold Chisel
Confirming Standard	NA
Material specification	High carbon with EN9 or equivalent grade, or at least equivalent to king pin type.
Workmanship and Finish:	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects.
Size and Weight	35 mm × 225 mm (± 10%), Round Made, 1.5 kg (±5%)
Test	Must comply performance

2. Pick

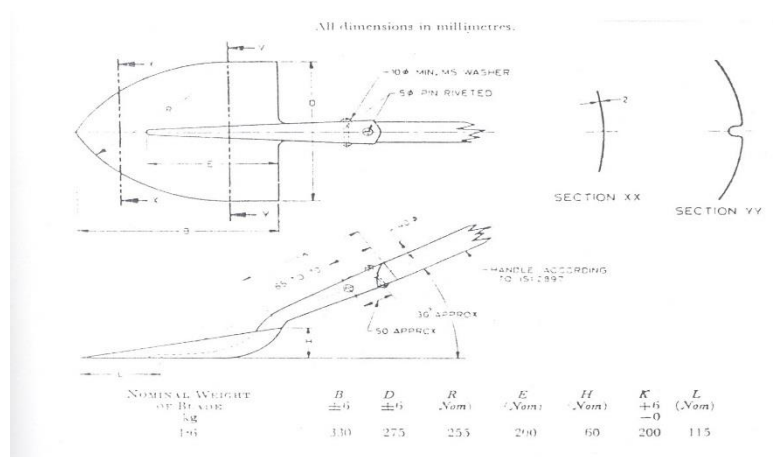
Name of the Product	Picks, chisel (wide and point ends), with handle
Confirming Standard	IS 273 - 1973 (2nd Revision with amendments on July 1975 and September 1976)
Material specification:	T60 grade steel with Phosphorus = 0.05 % max, Sulphur = 0.05 % max. The supplier shall provide the evidence of the specification of material from the manufacturer or the pick must be at least equivalent to TATA.
Hardness	315 to 415 HV tested at point ends
Workmanship and Finish	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects
Weight	2.5 kg (-2.5% and +7.5%)
Tentative sketch	As provided below
Test	Must comply performance.



Nominal Mass in kg +7.5% -2.5%	Overall Length L ± 13	Half Length M ± 6	Rise of point & chisel R ± 6	Width of Chisel W ± 6	Ground Portion		
					G ± 6	G1 ± 3	G2 ± 3
2.5	560	280	70	55	40	20	10

3. Shovel

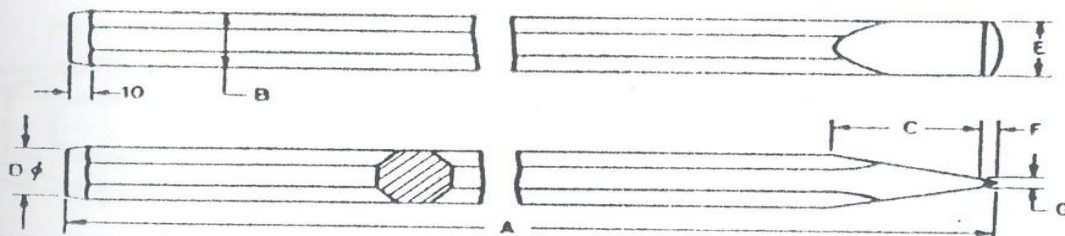
Name of the Product	General Purpose Round Nose Shovel with wooden handle
Confirming Standard	IS 274 (Part 1) - 1966 (2nd Revision with amendments on July 1975 and September 1976)
Material specification	Carbon = 0.45 ~ 0.65%, Manganese = 0.55 ~ 0.75 %, Phosphorus = 0.06 % max, Sulphur = 0.06 % max. The supplier shall provide the evidence of the specification of material from the manufacturer or shovel must be at least equivalent to TATA.
Workmanship and Finish	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects
Weight	1.6 kg (-3% and +7%25%)
Handles	Appropriate wooden handles as shown in figure.
Tentative sketch	As provided below
Test	Must comply performance



4. Large Crowbar:

Name of the Product	Octagonal crowbars with chisel and hammer ends
Confirming Standard	IS 704 - 1968 (1st Revision)
Material specification	T60 grade steel with Phosphorus = 0.05 % max, Sulphur = 0.05 % max. The supplier shall provide the evidence of the specification of material from the manufacturer, or the crowbar must be at least equivalent to TATA .
Hardness	320 to 400 HV tested anywhere of the working end
Workmanship and Finish	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects.
Size and Weight	25×1650 × 7 kg (-3%) and dimension must be as shown in attached figure sheet.
Tentative sketch	Referred attached sheet

All dimensions in millimetres.

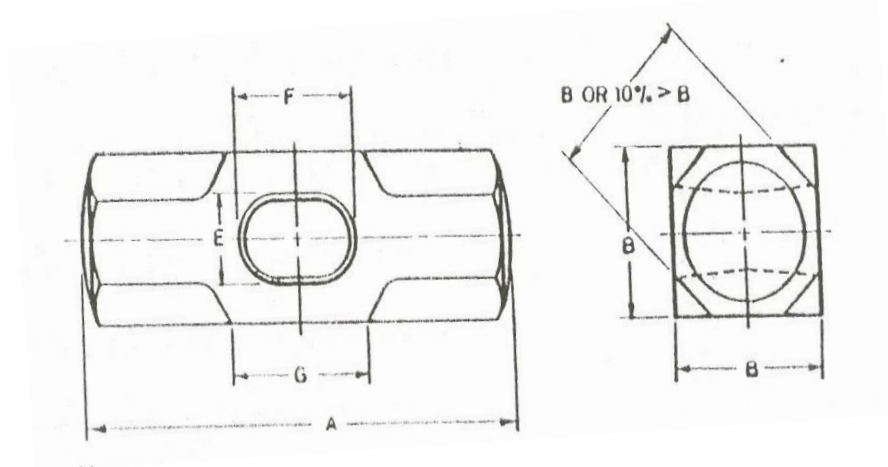


NOMINAL WEIGHT kg	LENGTH A ± 25	WIDTH ACROSS FLATS B	LENGTH OF CHISEL END C	DIA- METER OF HAMMER END D	GROUND PORTION			STATIC LOAD TEST	
					Width E	Cutting Edge F	Thick- ness at Start of Cutting Edge G	Distance Between Grip and Loading Point P*	Load W* kg
3	1 000	22	65	20	22	6	5	710	68
4	1 000	25	70	22	25	6	5	750	91
5	1 000	30	70	25	30	8	6	760	136
6	1 000	32	75	30	32	8	6	790	181
5	1 650	22	65	20	22	6	5	1 450	34
7	1 650	25	70	22	25	6	5	1 450	45
9	1 650	30	70	25	30	8	6	1 450	68
11	1 650	32	75	30	32	8	6	1 410	91

Octagonal Crowbar, ordinary, ref: IS 704

5. Double Face Sledge Hammer

Name of the Product.	Double face sledge hammer, without handle.
Confirming Standard	IS 841 - 1968 (1st Revision)
Material specification	Carbon = 0.45 ~ 0.65%, Manganese = 0.55 ~ 0.75 %, Phosphorus = 0.06 % max, Sulphur = 0.06 % max, Silicon = 0.35 % max. The supplier shall provide the evidence of the specification of material from the manufacturer, or the hammer must be at least equivalent to TATA.
Hardness	520 to 640 HV tested at striking face and peins only
Workmanship and Finish	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects. The striking face and peins shall be slightly convex and chamfered at app. 45°.
Weight	4 kg (-3% and +12.5%) and dimension must be as shown in attached figure sheet.
Tentative sketch	Referred to attached sheet.
Test	Must comply performance



Normal Weight	A	E	F	G	B
Kg					
4.0	170	30	45	50	60
6.0	210	30	45	52	68

6. Hand Rammer

Name of the Product.	Hand Rammer
Material specification	Cast Iron
Workmanship and Finish	Good finish without any imperfections like crack, burrs, pits, and scale and physical defects.
Size and Weight	5" diameter and 5 kg weight.

7. Pulling Rope:

Name of the Product	Pulling Rope
Size & weight	6 mm diameter of Nylon, 1.5 kg per coil.
Workmanship and Finish	Good finish without any imperfections.

8. Faruwa or Kodalo

Name of the Product	Faruwa with wooden handle
Material specification	High carbon with EN9 or equivalent grade, or at least equivalent to TATA .
Workmanship and Finish	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects
Weight	1.8 kg (- 5%)
Thickness	Joint thickness 4 mm , and thickness of other part 3 mm.
Test	Must compliance practical and performance test.

9. Curved Knife

Name of the Product	Curved Knife
Material specification	Mild Steel
Workmanship and Finish	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects
Weight	400 gm (±5%)
Thickness	Minimum thickness 3 to 4 mm
Tentative sketch	Refer Figure below



10. Sickle or Hansiya

Name of the Product	Sickle or Hansiya
Material specification	Mild Steel
Workmanship and Finish	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects
Weight	250 gm ($\pm 5\%$)
Thickness	Minimum thickness 2.5 to 3 mm , with thread in its cutting edge

11. Machete(khukuri)

Name of the Product	Machete or Khukuri
Material specification	High Carbon steel
Workmanship and Finish	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects
Weight	800 gm ($\pm 5\%$)
Thickness	Minimum thickness 3 to 4 mm

12. Rake

Name of the Product	Rake
Material specification	High Carbon steel
Workmanship and Finish	12 tooth head with epoxy coated head securely fixed to tabular steel handle with Black plastic hand grip with hang hole. Must be sturdy and durable.

	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects
Size	Head Width 300 mm Handle length 1220 mm
Tentative sketch	Refer figure below.



13. Wheelbarrow

Must Perform

- Carry any materials (particularly stone and soil) from one place to another.
- Must be able to withstand the exerting force.
- Must be able to carry the minimum load of 200 Kg.
- Must be easy to operate- it is expected that the user age group will range from 18 years young men or women to adults.
- Must be easy to operate in rough landscape.
- When the device is in use, it should be easy to load and unload.
- Resistance to adverse weather: The device will normally be exposed on the outside of the store or building, then it must be able to withstand all extreme weather conditions.
- Corrosion Resistance: The unit should be resistant to corrosion.

- ix. Dust and dirt: Components that would be inhabited from operation by dust or dirt should be protected (i.e. sealed bearings).
- x. The total weight of the device, including fittings, should no greater than 33 kg.

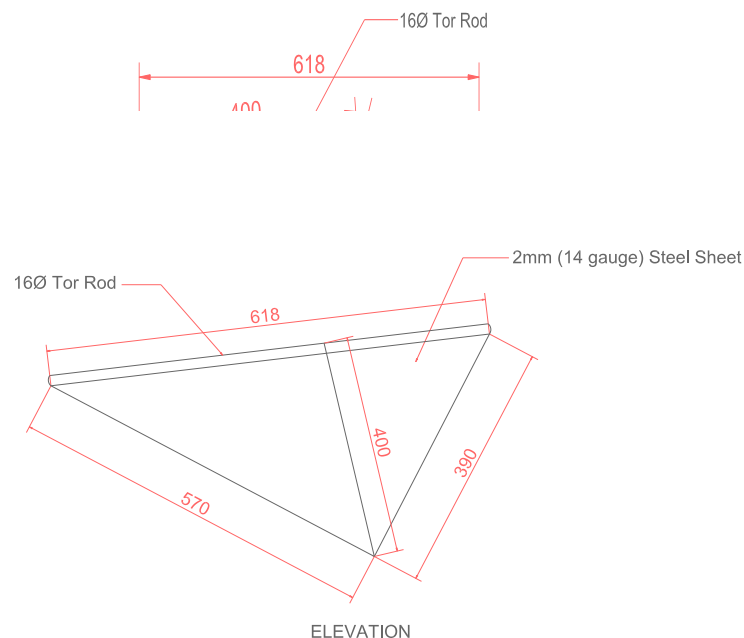
Materials

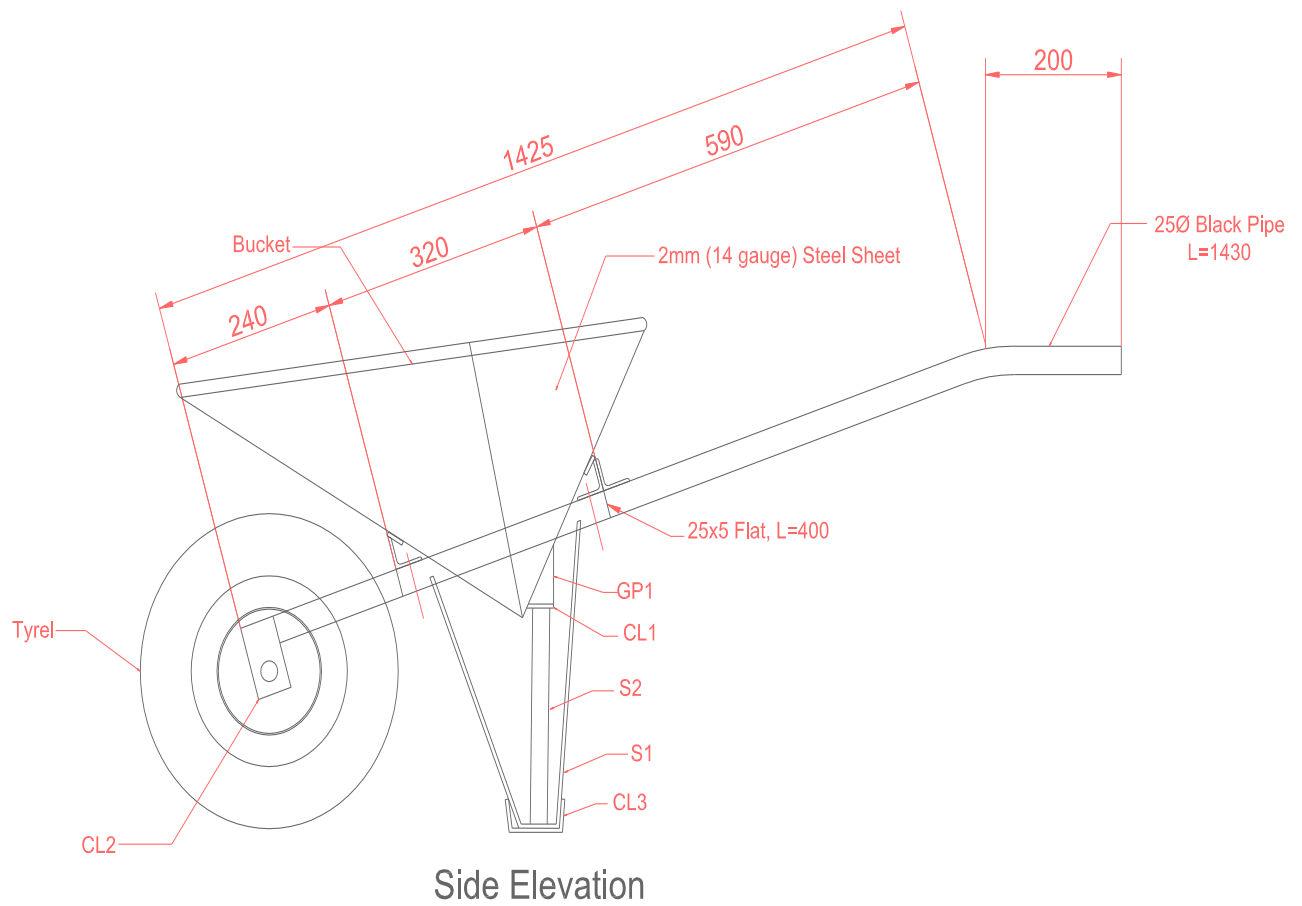
- i. Bowl should be made of 2mm (14 gauge) Steel Sheet.
- ii. Steel handle should be made of 14-gauge steel tube 1" diameter.
- iii. Leg should be made of the 6x40 mm M.S flat.
- iv. Bowl supports should be made of from 40 x 40 x 3.5 mm Angle.
- v. Bowl should be reinforced by iron rod 12 mm diameter with proper welding.
- vi. Bearing should be Z-Z (two sides sealed).
- vii. Nuts, bolts and washers should be ISI standard.
- viii. Bowl leg must be reinforced with FL1, FL2 MS angle.
- ix. The rim of wheel should be 1.8 kg min, excluding bearings and nuts and must be dia 350 mm, heavy duty.
- x. Tyre should be of good quality brand new 8 ply tyre.
- xi. Tube should be of good quality brand new and heavy duty, which should meet at least ISI standard.
- xii. There must be cushion of a layer of rubber on inner side of disc, which prevents tube from direct contact of disc.

Ergonomics

- i. Height, length and diameter of handle should be easy to handle and operate.
- ii. No sharp edges will be exposed.

Size and Shapes



**14. Plastic Tubs:**

Name of the Product	Plastic Tubs
Material specification	Plastic
Workmanship and Finish	Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects
Size and weight	Height 33 cm and depth 45 cm, Weight =1.1 kg Capacity= 38 Litre
Tentative sketch	Refer figure below.



15. Foot Pump

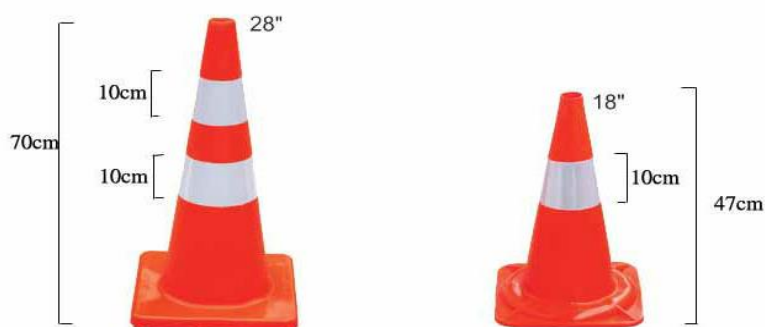
Name of the Product.	Foot Pump
Material specification	Steel
Workmanship and Finish	Good finish without any imperfections and physical defects.
weight	3.5 kg

16. Watering Can

Name of the Product.	Watering Can
Material specification	Aluminium
Workmanship and Finish	Good finish without any imperfections and physical defects.
Capacity	5 liters

17. Traffic Cones

Name of the Product	Traffic Cones
Material specification	PVC
Size	H=70 cm, bottom=38 cm
Colour	Yellow and White
Finish	As per figure



18. Raincoat

Name of the Product	Raincoat
Material specification	PVC coated
Workmanship and Finish	It should be 100% water proof, The Raincoat should be less in weight, easy to wear, durable and it should not restrict the movement of any person wearing. Air penetrable, self-draining, easy to fold and light weight.
Size	Must be suitable to adult size
Colour	Yellow
Tentative sketch	Refer figure below.

**19. Safety Helmet**

Name of the Product	Safety Helmet
Material specification	Equivalent to IS 2925-1984 or at least equivalent to Guard Company.
Workmanship and Finish	Must have triple corrugation on the shell to offer stronger surface strength for added safety. The strap must be made of I.d.t.e.. Good finish without any imperfections like Cracks, Burrs, Pits, Scales etc. and such other physical defects
Colour	Yellow
Tentative sketch	Refer figure below.



20. Safety Gloves(Leather)

Name of the Product.	Safety Gloves
Material specification	Good quality leather.
Workmanship and Finish:	Good finish without any imperfections like tears and such other physical defects.
Size	Should be general size
Test	Must compliance Performance test
Figure	As per given below.



21. Medicated Mask

Name of Product	Medicated Mask or surgical Mask
Technical Specification	-Latex Free, Hypoallergenic, Fiberglass free, Fluid Resistant, Three Ply construction. -3 pleats of folds to allow the user to expand the mask so it covers the area from the nose to the chin. -Mask should be secured with an ear loop to be placed behind the ears. >99% Bacterial Filtration Efficiency (BFE) at 5 micron capacity; >95% Bacteria Filtration Efficiency (BFE) at 3 micron capacity.

	-Reduces exposure to blood and body fluids. -Minimizes contamination to exhaled microorganisms. This product is intended for use in infection control practices.
Material Specification	-Spun bound polypropylene for inner and outer facings of mask. -Three (3) ply, fluid resistant, Fiberglass free, latex free mask.
Workmanship and finish	Good finish without any imperfections like tear, loose stitching, and such other physical defects
Colour	Blue
Test	20% of batch to be inspected for quality as above, if defective mask found, batch should be sorted out and only mask satisfying the quality should be selected.

22. Safety Gumboot

Name of product	Safety Gumboot (Steel toe-cap)
Confirming standard	Should have acquired by the national standard of manufactured country
Size	a. 4 to 5 (UK) b. Full size Safety Gumboot with steel toe cap for safety.
Height of Boot	350 ± 5 mm
Reinforcement body thickness	Complete body shall be reinforced with heavy-duty textile lining – cotton, which acts as a sweat absorbent. a. Toe : 4.0 mm b. Vamp (head support) : 2.5 mm c. Counter (heel support) : 4.0 mm d. Leg / Ankle : 1.5 mm

Base Thickness (min)	a. Sole (overall) : 12.5 mm b. Heel (overall) : 28.0 mm
Colour	Yellow or Black
Material (for Sole)	Polyvinyl Chloride (Hard)- Gumboot sole shall be made of Polyvinyl chloride of hard type, which confirm the requirement of hardness of Sole/Heel is $60 \pm 5^{\circ}$ A and Flexing Endurance (min) 50,000 cycles (Ross) or at least equivalent to a product 'Tarzan'
Material (for upper part)	Gumboot upper part shall be made of polyvinyl chloride of soft type, which confirm the flexing endurance (min) 1,50,000 cycles (De Matin) or at least equivalent to a product 'Tarzan'
Other requirements	i. <u>Leak proof ness</u> : There shall be no leakage when air with pressure of 0.15 Kg forced into the Boots. ii. <u>Embedded steel toe cap</u> : Steel toe cap shall be completely embedded by PVC lining to provide more room and comfort to the toe. iii. <u>Sole Design</u> : Sole design shall be cleated anti-skid sole.
Application	General Purpose construction industrial (not food industry) boot
Marking	All piece of Gumboot shall be clearly marked manufacture's name or trademark.
Quality assurance	A manufacture's certificate that the product was manufactured tested and supplied in accordance with this specification, together with a report of test results. Each certificate so furnished shall be signed by a person authorized by the manufacturer.

	  Gumboot Anti-skid sole
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23. Safety Glass:

Name of the Product.	Safety glass
Lens Features	▪ Clear lens. ▪ Material – Poly carbonate ▪ Hard – coated lens for scratch resistance ▪ Lens scale number: 2 –1.2
Special Features	▪ Temple grips equipped soft cushioning pads ▪ Adjustable temple length to customize the fit on the user head. Length adjustable within a range of 13 mm. ▪ Temple / side arms capable of tilting within a wide-angle range (upto 60°). ▪ The product is at least equivalent to ES-002 (Clear) of KARAM
Workmanship and Finish:	Good finish without any physical defects.
Size	Should be general size
Figure	As per given below.



24. Safety Vest:

Name	Safety Vest
Workmanship	Good Finish without any physical defects
Colour	As provided in figure
Material	Mostly polyster with high reflective polyster tape as per figure
Figure	Refer figure for colour

**25. Shoes**

Name	Shoes
Workmanship	Good Finish without any physical defects
Colour	Black
Material	Synthetic leather and rubber for sole or At least equivalent to Gold star shoes.
Figure	As given below



26. Cap

Name of the Product.	Cap
Confirming Standard	NA
Material specification	Cotton
Style	6 panels cap
Size	58 cm
Back Closure	Metal ring buckle
Peak	Sandwich Peak
Peak Length	7 cm
Air Holes	Embroidery Air Holes
Sweat Band	Polyester
Buckram	Mesh
Workmanship and Finish:	Good finish without any imperfections and physical defects.
Figure	As shown in figure below



27. List of First Aid with first Aid box

S.N	Item	Quantity
1.	First Aid box (with good quality)	1 No.
2.	Crepe Bandage	1 No.
3.	Betadine, 100 ml.	1 No.
4.	Moov (tube)	1 No.
5.	Cotton (100 gm)	1 No.
6.	Dettol (50ml)	1 No.
7.	Triangular bandage	1 No.
8.	Scissor	1 No.
9.	Handkerchief	1 No.
10.	Normal solution (500 ml)	1 No.
11.	Forceps (small)	1 No.
12.	Dettol soap	1 No.
13.	Handiplast	50 Nos.
14.	Towel (small)	1 No.
15.	Thermometer	1 No.

28. Hand Sanitizer

Name of the Product.	Alcohol based Hand Sanitizer
Material specification	Ethanol 60-95% w/w, Isopropyl Alcohol(IPA) 60 -95% w/w, Isopropyl

	Alcohol + Chlorhexidine, Ethanol + Chlorhexidine
Efficacy of killing	100% germs after contact.
Form of Supply	Liquid
Pack Size	500 ml
Type of Packing	Bottle with Push Pump

29. Liquid Hand Wash

Name of the Product.	Liquid Hand Wash
Material specification	Aqua, Sodium laureth sulfate, Cocamidopropyl Betaine, Glycerine, Sodium Chloride, Glycol Stearate, Salicylic acid, Polyquaternium-7, Parfum, Chloroxylonol, Tetrasodium EDTA, Acrylates/PEG-10 Maleate/Styrene copolymer, Citric acid, Sodium Hydroxide, Methylchloroisothiazolinone, CI 17200.
Efficacy of killing	100% germs after hand wash
Form of Supply	Liquid
Pack Size	250 ml
Type of Packing	Bottle with Push Pump

30. Portable Toilet

Name of the Product.	Portable Toilet
Material specification	-185T polyester rip stop -PU waterproof rated: 450mm.
Size	195cmx120cmx120 cm
Weight	Approx. 1.8 kg
Colour	Green
Figure	As Shown below

