MINUTES OF THE MEETING OF THE TECHNICAL COMMITTEE FOR THE FINALISATION OF SPECIFICATIONS OF STIRRUP PUMP FOR INSECTICIDAL SPRAY IN KALA-AZAR ENDEMIC AREAS OF BIHAR FOR USE UNDER NVBDCP HELD ON 06.01.2006

A meeting of the Technical Committee was held on 6th January, 2006, under the Chairmanship of Additional DG & Director NICD, to examine the technical specifications of stirrup pump for insecticidal spray in kala-azar endemic areas of Bihar for use under NVBDCP. The following members attended the meeting:

Dr. Shiv Lal
Addl. DG & Director, NICD
Chairman

Prof. Dr. A.P. Dash,
Director, Malaria Research Centre
Member

Dr. I.S. Garg
Director (Procurement), DGHS
Member

Dr. (Mrs.) Mukul Singh
Dy. Director,(med. Tox.) Central Insecticide oard & Registration Committee Faridabad
Member

Dr. K.C.S. Bisht
Director, Bureau of Indian Standards
Member

Dr. V.K. Sexana
Joint Director, NICD
Member

Dr. Sangeeta Kohli
Associate Professor (Mechanical)
Indian Institute of Technology
Member

Dr. P.L. Joshi,
Director, NVBDCP
Member Secretary

The specification of stirrup pump is Bureau of Indian Standards BIS 1971:1996 (Fifth Revision) Hand operated Stirrup type sprayer with following material for components as per table I page 4 (material for construction of stirrup pump should various components (clause 4.1) of IS 1971:1996 & Sr. No. 7 page 3 of IS 1971: 1996.) with ISI mark.

<table>
<thead>
<tr>
<th>No.</th>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pump cylinder</td>
<td>Brass</td>
</tr>
<tr>
<td>2.</td>
<td>Pump cap</td>
<td>Brass</td>
</tr>
<tr>
<td>3.</td>
<td>Packing nut</td>
<td>Brass</td>
</tr>
<tr>
<td>4.</td>
<td>Guide</td>
<td>Brass</td>
</tr>
<tr>
<td>5.</td>
<td>Delivery spout</td>
<td>Brass</td>
</tr>
<tr>
<td>6.</td>
<td>Valve seat</td>
<td>Brass</td>
</tr>
<tr>
<td>7.</td>
<td>Piston rod</td>
<td>Brass</td>
</tr>
<tr>
<td>8.</td>
<td>Hose nut</td>
<td>Brass</td>
</tr>
<tr>
<td>9.</td>
<td>Hose nipple</td>
<td>Brass</td>
</tr>
<tr>
<td>10.</td>
<td>Piston</td>
<td>Brass</td>
</tr>
<tr>
<td>11.</td>
<td>Spreader</td>
<td>Chrome tanned leather</td>
</tr>
<tr>
<td>12.</td>
<td>Handle</td>
<td>Wood</td>
</tr>
</tbody>
</table>

Public Health

Sangeeta Kohli
Secretary
13. Buffer - Brass
14. Valve - Brass
15. Travel limiting device - Brass
16. Strainer - Brass
17. Stirrup - Mild steel
18. Foot rest - Mild steel
19. Cylinder clamp - Brass
20. Hose ferrule/clip - Brass
21. Hose - PVC reinforced
22. Gasket - Fibre Leather
23. Nozzle Tip - Brass
24. Type of Nozzle - Fan type (flat fan)
25. Goose Neck - Two piece
26. Length of delivery hose - 5 meters
27. Type of handle - D Type

Other components will be as per specification given in Bureau of Indian Standards BIS 1971:1996 (Fifth Revision) ICS 65.060.40-IS 1971:1996. The discharge rate of pump shall be capable of discharging a minimum of 740-850 ML per minute for public health commission.

Marking: The pumps shall be marked as follows:

GOVERNMENT OF INDIA SUPPLY
NVBDCP
NOT FOR SALE

Dr. I.S. Garg
Director (Procurement)
DGHS, New Delhi

Prof. Dr. A.P. Dash,
Malaria Research Centre

Dr. (Mrs. Mukul Singh)
Dy. Director Central Insecticides Board
Faridabad
Faridabad (Haryana)

Dr. P.L. Joshi
Director, NVBDCP
Member Secretary

Dr. Shiv Lal
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Chairman

Dr. KCS Bish
Director, Bureau of Indian Standards

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