

## COSTING OF IODINE DEFICIENCY DISORDER

| Level of Care  | Human Resources    |         |               | Equipments    |       | Tests                  |   |              |               |                 |
|----------------|--------------------|---------|---------------|---------------|-------|------------------------|---|--------------|---------------|-----------------|
|                |                    | Minutes | Rate (In Rs.) | Cost (In Rs.) | Items | Cost (In Rs.) per case | Items   | No. of Tests | Rate (In Rs.) | Cost (In Rs.)   |
| <b>Level 1</b> | Medical Officer    | 45      | 3.74          | 168.38        |       |                        | Rapid test kit with starch indicator for iodine in salt | 1            | 105           | 105.00          |
|                |                    |         |               | -             |       |                        |   |              |               |                 |
|                |                    |         |               | -             |       |                        |   |              |               |                 |
| <b>Total</b>   |                    |         |               | <b>168.38</b> |       | <b>-</b>               |   |              |               | <b>105.00</b>   |
| <b>Level 2</b> | Medical Officer    | 45      | 3.74          | 168.38        |       |                        | Rapid test kit with starch indicator for iodine in salt | 1            | 105           | 105.00          |
|                |                    |         |               | -             |       |                        |   |              |               | -               |
| <b>Total</b>   |                    |         |               | <b>168.38</b> |       | <b>-</b>               |   |              |               | <b>105.00</b>   |
| <b>Level 3</b> | Medical Specialist | 45      | 4.37          | 196.51        |       |                        | Ultrasonography of Thyroid                              | 1            | 710           | 710.00          |
|                | Surgeon            | 45      | 4.37          | 196.51        |       |                        | X Ray (wrist)   | 2            | 100           | 200.00          |
| <b>Total</b>   |                    |         |               | <b>393.02</b> |       | <b>-</b>               |   | <b>3</b>     |               | <b>910.00</b>   |
| <b>Level 4</b> | Medical Specialist | 45      | 4.37          | 196.51        |       |                        | TSH Estimation  | 2            | 416           | 832.00          |
|                | Surgeon            | 45      | 4.37          | 196.51        |       |                        | T3 Estimation   | 2            | 175           | 350.00          |
|                |                    |         |               |               |       |                        | T4 Estimation   | 2            | 175           | 350.00          |
|                |                    |         |               |               |       |                        | Radioactive Iodine uptake                               | 2            | 1438          | 2,875.00        |
|                |                    |         |               |               |       |                        | Urinary Iodine Estimation                               | 2            | 15            | 30.00           |
|                |                    |         |               |               |       |                        | Thyroid biopsy/FNAC                                     | 2            | 380           | 760.00          |
|                |                    |         |               |               |       |                        | Ultrasonography of Thyroid                              | 2            | 710           | 1,420.00        |
| <b>Total</b>   |                    |         |               | <b>393.02</b> |       | <b>-</b>               |   |              |               | <b>6,617.00</b> |

## COSTING OF IODINE DEFICIENCY DISORDER

| Level of Care | Medicines             |      |               |               | System Costs                   |     |               |      |               | Total Cost      |
|---------------|-----------------------|------|---------------|---------------|--------------------------------|-----|---------------|------|---------------|-----------------|
|               | Items                 | Unit | Rate (In Rs.) | Cost (In Rs.) | Total Ex- System Cost (In Rs.) |     | Rate (In Rs.) | Days | Cost (In Rs.) |                 |
| Level 1       |                       |      | -             | -             |                                | OPD | 78.50         | 3    | 235.50        |                 |
|               |                       |      | -             | -             |                                |     |               |      |               |                 |
| <b>Total</b>  |                       |      | -             | -             | <b>273.38</b>                  |     |               |      | <b>235.50</b> | <b>508.88</b>   |
| Level 2       |                       |      | -             | -             |                                | OPD | 34.98         | 3    | 104.95        |                 |
|               |                       |      | -             | -             |                                |     |               |      |               |                 |
| <b>Total</b>  |                       |      | -             | -             | <b>273.38</b>                  |     |               |      | <b>104.95</b> | <b>378.33</b>   |
| Level 3       | Tab L-Thyroxine       | 365  | 0.60          | 219.88        |                                | OPD | 33.18         | 3    | 99.53         |                 |
|               |                       |      |               |               |                                |     |               |      |               |                 |
| <b>Total</b>  |                       |      |               | <b>219.88</b> | <b>1,522.90</b>                |     |               |      | <b>99.53</b>  | <b>1,622.43</b> |
| Level 3       | Tab L-Thyroxine 1 tab | 365  | 0.60          | 219.88        |                                | OPD | 55.24         | 3    | 165.73        |                 |
|               |                       |      |               |               |                                |     |               |      |               |                 |
|               |                       |      |               |               |                                |     |               |      |               |                 |
|               |                       |      |               |               |                                |     |               |      |               |                 |
|               |                       |      |               |               |                                |     |               |      |               |                 |
| <b>Total</b>  |                       |      |               | <b>219.88</b> | <b>7,229.90</b>                |     |               |      | <b>165.73</b> | <b>7,395.63</b> |

**Assumption:-**

1. No/Hours in the last column indicates number of visits
2. Iodized oil (oral and IM injection) is to be repeated every year
3. Tab L-Thyroxine (Eltroxin) may be required for lifelong treatment
4. Thyroid biopsy/FNAC may be required only in select cases
5. Surgeon will be consulted in 50% cases only on referral by MO
6. The following items are used at Level 1 and level 2, its cost is not included in cost sheet
  - a) Iodized oil (oral) 400mg
  - b) Iodized oil IM injection 480mg