**MINUTES OF THE STANDARD BIDDING DOCUMENT REVIEW COMMITTEE**

**MEETING NO. 09/2012**

**Venue** : Conference Room

**Date** : 23-10-2012

**Time**  : 1.30 p.m

**Present**

1. Eng. G.A. Kumararathna - Addl. GM (Sew) - Chairman
2. Eng. K.R. Dewasurendra - Addl. GM (CS) - Member
3. Eng. R.H. Ruvinis - DGM(P & D) - Member
4. Mrs. A.P.S. de Silva - AGM (F) - Member
5. Eng. M. Abeysekara - AGM (M&E-Services) - Member
6. Eng. U.C. Pathiranage - AGM (P&D-Doc) - Member
7. Eng. R.A.A. Ranawaka - AGM (T&C) - Member
8. Eng. S.S.S. Vipulanandan - AGM (Procurement & Contract) - Member
9. Eng. K.H. Nandisena - CE (Doc) - Secretary
10. Eng. (Ms) M.L. Wijesinghe - Eng. (Doc)

**Excused:**

1. Eng. D.S.D. Jayasiriwardene - Addl. GM (S/E) - Member
2. Eng. (Ms) K.T.P. Fernando - DGM (PC) - Member

**Also circulated to:**

Chairman, Vice Chairman, Working Director

General Manager

Addl. GMM (WSP., P&P, Western, N/C, S/E)

DGM (Dev)/ (M&E)/(F), DGMM (RSC) – [Western – C, Western N, Western S, Southern

Uva, Sab, Central, NW, NC, North, East, Production]

AGMM (P&D), Specialists

Project Directors, AGM (Supplies) / (MPD&T)

1. **Confirmation of Decisions**
	1. **Previous minutes were confirmed**
2. **Specifications**
	1. **Ferrules**

As discussed in previous meetings following action to be done.

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| Soft copy of Specification of the ferrules which has been revised according to the new drawing developed by M & E –Services Section, to be forwarded to AGM (Doc) in order to upload to the web. The current specification for ferules also to be in use for some period during the transition while the new specification is being introduced.  |
|  **15-11-2012** | **Action:** **AGM (M&E-Services)** |

* 1. **Hardness of Rubber Rings**

As decided by the SBDRC, letters were sent to Local Agents, Manufacturers of Rubber Rings and all prequalified DI pipe manufacturers to obtain details of hardness range and the technical basis of rubber rings manufactured by each manufacturer under GM’s signature.

Test reports from three manufacturers namely VIP Polymers, Yuan Gang & Yingkou Ever Foundry were obtained.

The technical parameters of the hardness variation of the rubber rings of the three manufacturers were tabulated and studied. The Hardness ranges specified in the NWSDB Specification tally with the ranges of the three manufacturers. Also the previous discussion had with M/s. VIP Polymers revealed that hardness of the rubber ring to be decided considering the shape of the socket which is different for manufacturer to manufacturer. Hence SBDRC decided to keep flexibility on this aspect while specifying the preference range of hardness.

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| Hence it was decided to define the ranges of 76-84 IRHD at the Heel & 46-55 IRHD at the Bulb of the ring as **Preferred range** in the Specification. |
|  **20-11-2012** |  **AGM (Doc)** |

* 1. **Revision of ICTAD Specification Water Supply & Drainage Works**

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|  ICTAD has requested NWSDB to revise the specification for Water Supply & Drainage works.Chapters of the specifications to be given to Sections of Water Board for their comments. The sections to be revised have to be identified within two weeks before distribution.  |
|  **15-11-2012** | **Action:** **AGM (Doc)** |

1. **Pre-qualification (PQ)**
	1. **PQ of Couplings & Flange Adaptors**

The purchasing of the AWWA C219 standard was done by GKWSP and the finalization of the specification to be done accordingly.

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| The Corrected Document with SBDRC comments, to be sent to T&C for calling for PQ. |
| **20-11-2012** | **AGM (Doc)** |

* 1. **PQ of Manhole Covers**

A Document has been prepared for the above PQ and was discussed at the SBDRC.

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| The Corrected Document with SBDRC comments, was sent to PQ committee for approval. The approved Document with SBDRC comments, to be sent to T&C for calling for PQ. |
| **15-11-2012** | **AGM (Doc)** |

**4. SLS Standards**

**4.1 Establishing SLS Standards for Water Fittings**

On behalf of the National Water Supply & Drainage Board (NWSDB), Greater Kandy Water Supply Project (GKWSP) works towards to reach the goal, “Procurement of quality goods and services to assure sustainable supply of water for all”.

 Secretary to the Treasury agreed to declare the following list of items to be declared as controlled items. SLS Standards to be introduced for those items.

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|  | **Item** |  | **Current HS Codes** |
|  | Cisterns  |  | 8481.80 |
|  | Domestic ball float valves |  | 8481.80 |
|  | Bib taps (swan neck valves, kitchen taps, etc.) |  | 8481.80 |
|  | Bidet shower |  | 8481.80 |
|  | Stop valves and ball cock |  | 8481.80 |
|  | Clamp saddles |  | 8481.80 |
|  | Ferrules |  | 7415.33.90 |
|  | Domestic water meters and bulk flow water meters |  | 9026.10 |
|  | Angle valves |  | 8481.80 |

The PD(GKWSP) has done a presentation on the progress of sectional committees to SBDRC.

**4.2** **Comments on review of Sri Lanka Standard SLS 705-1985**

**(Specification for materials for Bib-Tap and Stop Valve seat washers)**

The working groups appointed under the Sectoral Committee for Materials and Mechanical systems Sri Lanka Standards Institute (SLSI) has forwarded their recommendation on specifications for materials for Bib tap and Stop valve seat washers. AGM (M & E-Services) pointed out that the NWSDB is not the only party to comment on the draft as several other industries also use the same standard. SBDRC decided to give their comments for water applications only.

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| AGM (M & E-Services) to comment on the recommendations. |
| **20-11-2012** | **Action :****a) AGM (M & E-Services)** **b) AGM (Doc)** |

**4.3 Draft of Sri Lanka Standards for Potable Water (SLS 614 Part 1)**

SBDRC appointed a committee comprising Specialists for water and sewerage together with AGM (R&D) and Chief of Laboratories to review the changes and to comment.

On request of NWSDB for a discussion, SLSI has informed that they will give an appointment for a discussion early.

Chief of Laboratories was informed to prepare a table comparing SLS current standard, SLS proposed standard, WHO, AWWA standards, and differences among them.

For difference observed, possible reasons for those differences and acceptance of same to be included.

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| A Meeting to be fixed with Addl. GM (SE), Addl. GM(C/S), AGM (R&D), Chief of Laboratories and Water treatment and Sewerage Specialists to discuss the recommendations before meeting SLSI. The committee to do a presentation at the staff meeting on the recommendations. |
| **30-11-2012** | **Action :****CLS** | **Follow up:****Addl. GM (CS)/AGM (Doc)** |

**4.4 PE Pipes and Fittings**

The Committee appointed to recommend appropriate standard out of ISO 4427 and EN 12201 for PE pipes, has recommended EN 12201:2011 to be used in the NWSDB Specifications for PE pipes, since specifications given in EN Standards are more appropriate to apply initially in water and sewerage industry in Sri Lanka. SLS may consider this as the National Standard for PE pipes.

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| SBDRC accepted the committee recommendation. A letter to be sent to SLSI requesting them to consider EN 12201:2011 as Sri Lanka Standard and to revise relevant clauses and include more clauses when need arises with application of this standard in Industry. The NWSDB Specifications also to be revised in the SBDs. |
| **20-11-2012** | **Action:** **AGM (Doc)** |

**5. Issues in SBDs**

**5.1 SBD for Laying**

At present normal Civil SBDs are used for laying of PE, PVC, DI pipes. As pipe laying is specialized area a separate SBD for pipe laying is required. A provision for Micro Tunneling to be provided in the SBD requesting a rate or a provisional sum for Micro Tunneling as an alternate method in the document.

Pipe jointing methods, other alternative methods of laying, training of relevant NWSDB staff & special machinery to be included in the specification. Machinery and new equipment should be handed over to NWSDB on completion of the project.

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| A SBD for pipe laying with proposed amendments to be prepared. Micro tunnelling to be added to the specification. The draft specification referring the Jayawardanapura and Kandy sewerage projects was circulated within the SBDRC members for comments.  |
| **30-11-2012** | **Action:****AGM (Doc)** |

**6. Other Issues**

**6.1** **Tapping of Service Connection in Parallel with pipe laying**

It was discussed at the SBDRC meeting that tapping for service connection to be done in parallel with laying of Distribution pipelines to avoid damages to roads again and to minimize public inconvenience, and to avoid possible leaks occurring in future.

The following committee was appointed to study the issues in tapping for service connection in parallel with pipe laying and report to SBDRC.

D.S.D. Jayasiriwardene - DGM (P&D) /Addl. GM(S/E) - Chairman

K.R. Dewasurendra - Addl. GM (CS) - Member

K.T.P. Fernando - DGM (PC) - Member

R.K.L. de Soyza - AGM(S/E) - Member

W. Ilangasingha - PD (TSKWSP) - Member

J.P.G. Jayaratne - Snr. Eng. (S/E) - Secretary

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| The report was discussed at the SBDRC and finalized the report after accommodating the SBDRC comments. The final report was sent to the General Manager to be taken at the staff meeting. |
| **15-11-2012** | **Follow Up:** **AGM (Doc)** |

**6.2** **Revision of Total Cost Estimates in order to adjust the cost variations.**

AGM (T&C) has forwarded a letter referring the letter issued by the Secretary of Ministry of Finance & Planning (PF/CM/07/PRO/008) and the Government Financial Circular No. 02/2012, on the Revision of Total Cost of Contracts to adjust the cost variations.

Accordingly it was suggested to consider the Inflation Rate variations locally and internationally in preparation of the Project Cost Estimates. The SBDRC has discussed the matter and recommended to change the Local component of the Estimate considering the local inflation rate, but to keep the foreign component without any change.

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| Accordingly, the Board Paper to be revised and the Approval to be obtained. |
| **30-11-2012** | **AGM (F)** |

**6.3** **BOO/BOT Water purchase Agreement and RFP Document for Kundasale, Haragama WSS.**

 A team of Engineers from RSC(Central) together with the Policy & Strategy Unit has prepared a draft for RFP and Water purchase Agreement for Kundasale and Haragama WSS, on the basis of BOO/BOT. The draft was sent to SBDRC for comments, by the GM.

The SBDRC has taken up the document and found out the financial proposal was not attached to the document. Further the SBDRC has decided to inform the General Manager on the following.

a) Water Board has to prepare a Project Proposal with CAPEX and OPEX for a period of 25 year and appropriate BOT prices have to be established assuming financial investment by the Board. This shall be prepared before calling RFP and, shall be used as an Engineering Estimate to evaluate the proposals.

 b) The above proposal shall also indicate the following key considerations;

* Demand projection and mandatory minimum quantity of purchase.
* Applicable equations for the adjustment of unit cost or unit price due to possible variables (i.e : Power, Labour, Utility, etc.)
* A financial model with all above and payment /funding terms
* The future use of the existing water treatment plant and how it is incorporated into the BOT proposal, when the BOT project is implemented.

c) The proposal with such information shall then be reviewed by an appropriate technical committee and,

d) A presentation on the RFP requirements and the financial model shall be made to the possible BOT proponents.

  **Annex1**

 **PROGRESS OF SPECIFICATIONS PREPARATION COMMITTEES**

**As at 05-11-2012**

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| **Sr****No.** | **Key** | **Title/Chairman** | **Progress** | **Action by / Date** | **Present****Status** |
| 01 | S12 | Updating Specification in Plant & Design-Build Contract for Civil and M&E Works Committee Chairman – **Addl. GM(SE),****Mr. D.S.D. Jayasiriwardene** | Committee was appointed. Work is in progress. | Addl. GM (SE)31-03-2013 | Work in progress |

**PROGRESS OF SBD PREPARATION COMMITTEES**

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| **Sr** **No.**  | **Key** | **Title** | **Progress** | **Action by / Date** | **Present****Status** |
| 03 | D20 | SBD for Water MetersCommittee Chairman –  | AGM (M&E-Services) has corrected both the Document and Specification. SBDRC to discuss and finalize.  |  | To be discussed. |
|  |  | **Addl. G.M.(Sewerage)****Mr. G.A. Kumararathna** |
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| 04 | D22 | SBD for Design & Build – ICTADCommittee Chairman –**DGM (Western-South)****Mr. M.K. Hapuarachchi**  | Draft Document is being reviewed by the committee. | DGM (E)30-01-2013 | Work in progress |

**Outstanding SBDs/Specifications – As at 05 November 2012**

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| **S.No.** | **Key** | **Title**  | **% Completion** | **Activity** | **Target Date of the Activity** |
| **SBDs**  |  |
| 1 | D20 | SBD for Water Meters ( ½” & ¾" ) | 98% | \* 2 | 30-11-2012 |
| 2 | D22 | SBD for Design & Build – ICTAD | 70% | \* 1 | 31-01-2013 |
| 3 |  | PQ document for Couplings and Flanged Adapters  | 98% | \* 3 | 31-11-2012 |
| 4 |  | PQ document for Manhole Covers | 98% | \* 3 | 15-11-2012 |
| 5 |  | SBD for Pipe Laying – Micro tunneling  | 95% | \* 5 | 15-12-2012 |
| **Specifications** |  |
| 6 | S12 | Updating Specification in Plant & Design – Build Contract for Civil and M& E Work | 50% | \*1 | 31-03-2013 |
| 7 |  | Specification for Ferrules  | 99% | \* 4 | 15-11-2012 |

***Note :***

 \*1 - Documents to be submitted to the SBDRC

 \*2 – Documents circulated & to be discussed by the SBDRC members.

 \*3 - SBDRC comments, to be included and send T&C Section for calling Applications for Pre-Qualifications.

 \*4 - AGM (M&E-Services) to hand over softcopy of the corrected specification.

 \*5 - Micro tunneling was circulated among SBDRC member for comments.