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

**MEETING NO. 06/2014**

**Venue** : Addl.GM (Sewerage) Office

**Date** : 24-07-2014

**Time**  : 2.30 p.m

**Present**

1. Eng. G.A. Kumararathna - Addl. GM (Sew) - Chairman
2. Eng. D.S.D. Jayasiriwardene - Addl. GM (S/E) - Member
3. Eng. K.R. Dewasurendra - Addl. GM (WSP) - Member
4. Eng. R.H. Ruvinis - DGM(P & D) - Member
5. Mrs. A.P.S. de Silva - DGM (Costing) - 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. (Mrs) D.S.P.R.D. Premachandra - CE (P&D-Doc) - Secretary
10. Eng. (Mrs) K. I. Perera - Eng. (Doc)

**Absent**

1. Eng. (Mrs) K.T.P. Fernando - DGM (PC) - Member
2. Eng. M. Abeysekara - AGM (M&E-Services) - Member

**Also circulated to:**

Chairman, Vice Chairman, Working Director

General Manager

Addl. GMM (CS, P&P, Western, N/C, F, HRM)

DGM (Dev)/ (M&E), DGM (Supplies), DGMM (RSC) – [Western – C, Western N, Western S, Southern, Uva, Sab, Central, NW, NC, North, East, Production]

AGMM (P&D), Specialists

Project Directors, AGM (MPD&T)

1. **Confirmation of Minutes**
   1. **Previous minutes were confirmed.**
2. **Specifications** 
   1. **Ferrules & Water Meters**

AGM (M&E Services) has forwarded the Water Meter Document and it was finalized at the SBDRC meeting with some corrections. Corrected Document was forwarded to   
AGM (M&E Services). The same format of Water Meter Document to be followed for Ferrule Document also and AGM (M&E Services) to submit the Document to SBDRC.

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| AGM (M&E Services) has called tenders using new Water Meter document.    In the Ferrule specification working pressure mentioned as 20 bars, SBDRC requested to clearly mention in the document that the test pressure as 20 bars and working pressure as 16 bars.  The working & test pressure should be clearly mentioned in the schedule of particulars also.  AGM (M&E Services) to be handed over soft copy of ferrule Document to AGM (Doc). | |
| **30-08-2014** | **Action :**  **AGM (M&E Services)** |

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

ICTAD has requested NWSDB to revise the specification for Water Supply & Drainage works.

Addl. GM (Sew) has pointed out to mention the topic as Water Supply &Sewerage Works. All three committees appointed to review the specification have partly completed the review.

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| All three committees have discussed the comments and the amendments are being finalized. One committee notes it has almost completed the review and SBDRC to check the completed part of the document. | |
| **15-09-2014** | **Action:**  **AGM (Doc)/** **SBDRC Members** |

**3. Pre-qualification (PQ)**

**3.1 PQ of Couplings & Flange Adaptors**

Specifications for following couplings have been prepared and circulated among SBDRC members.

* Stepped Couplings
* Couplings
* Flange Adaptors
* Couplings & flange adaptors for PE & PVC

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| (a). PQ committee discussed the specifications and comments were incorporated. PQ Committee to be finalized.  (b). The period of prequalification of manufacturers to be made limited for two years and no new applications to be proceeded within one year. A letter to be sent to DPC stating this decision.  (c). In the case of supply of defective products by the prequalified manufacturer, the issue to be referred to the special committee on contractors performance to stop issuing document. | |
| **15-09-2014** | **Action:**  **AGM (Doc)** |

**4. SLS Standards**

**4.1 a) Establishing SLS Standards for Water Fittings**

The working committee of the SLSI to consider the comments to finalize SLS Standards for water fittings and draft forwarded. A letter has been sent to SLSI requesting to keep provisions for importation of goods conforms to **BS, EN, ISO,ASTM,DIN,JIS, etc**

Few items of water fittings (Cistern/Water closets) to be standardized at the beginning and to be expanded later.

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| 1. A meeting to be scheduled for the subcommittee Chairman and the PD (GKWSP) & his assistants to discuss the main concerns. 2. Agreement was reached with the SLSI / Department of Imports & Export Controls / Department of Trade Tariff & Investment Policy / Consumer Affairs Authority / Sri Lanka Customs to obtain interim measures to control importation of substandard Cistern/Water closets to Sri Lanka. A gazette to be issued by the Treasury. This should be followed up with Mr. Sarath Gamini. | | |
| **1)**  **30-08-2014** | **Action:**  **Addl. GM(S/E)/PD (GKWSP)** | **Follow up:**  **AGM (Doc)** |
| **2)**  **30-08-2014** | **Action:**  **PD (GKWSP)** | **Follow up:**  **AGM (Doc)** |

**4.2 Draft of Sri Lanka Standards for Potable Water**

**i) SLS 614 Part 1-Physical and Chemical Requirements**

**ii) SLS 614: Part 2 : 1983 – Bacteriological Requirements**

NWSDB has sent a letter inquiring the legal validity of the SLS standard and requesting 5 years grace period for the implementation of the new standards until improvement of NWSDB schemes are done.

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| 1. This issue to be taken up at the staff meeting. 2. A board paper to be submitted to the Board of Directors seeking advice if the water treatment plants cannot achieve the quality parameters specified in the revised SLS standard. After obtaining comments from Regional DGMM on the new SLS 614 the non-achievable parameters to be highlighted. 3. Revised version of the SLS standard has already been issued. It was circulated among all relevant DGMM for comments of water quality parameters specially manganese and practical possibility of following it. After the response a note to be sent to DPC.   In the revised SLS standard, nitrate concentration is very high compare with WHO standard. Discuss this matter with Chief Chemist and negotiate with SLSI to use nitrate concentration in WHO for NWSDB purposes.  A technical report is to be submitted to the board of directors to inform that some water quality parameters mentioned in revised SLS is not suitable for drinking water purposes. | |
| **30-08-2014** | **Action:**  **a) Addl. GM (WSP)**  **b) AGM (Doc) / Addl. GM (S/E)** |

**5 Issues in SBD’s**

**5.1** **New Specifications for** **Supply of GRP pipes & Supply & Lay of GRP pipes for water and sewer applications.**

Three committees to be appointed to prepare three SBD’s for the following:

1. Supply of GRP pipes & fittings
2. Supply & Laying of GRP pipes & fittings for water applications.
3. Supply & Laying of GRP pipes & fittings for sewer applications.

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| Three committees were appointed and specifications to be submitted. Relevant standards were given. Need to expedite the works.  A letter to be sent to the committees to complete the work within this month. | |
| **15-09-2014** | **Action:**  **AGM (Doc)** |

**5.2 Preliminary item for safety.**

DGM (Cos**t**ing) stated that it is advisable to introduce a separate item for safety in the preliminary bill to do the payments in the contract. Hence a safety requirement to be prepared and item for safety to be included in the preliminary bill with the requirements to do monthly payments.

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| Safety requirements were prepared.  For the large projects safety officer is compulsory. Include in the document safety officer, safety plan, safety measures while construction, etc with the minimum requirements. | |
| **30-06-2014** | **Action:**  **AGM (Doc)** |

**5.3 SBD for “RFP for Construction, Supply & Laying and Commissioning of Water Supply/ Sew Scheme for Local Bank funding”**

AGM (Doc) has explained that requirement of preparation SBD from the draft ‘RFP for Construction, Supply and Laying’ Document for Local Bank Funding Project.

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| Committee decided to prepare a SBD. Insert the pre qualified list of Manufacturers into the document. | |
| **15-08-2014** | **Action:**  **AGM (Doc)** |

**6. Other Issues**

**6.1 New design for Clamp Saddles.**

The prototype model prepared by the Mechanical Division of the GKWSP to be demonstrated to Prof. S.D. Pathirana at the University of Peradeniya.

University to finalize the Model, PD (GKWSP) will follow up. Until then the GKWSP has forwarded a proposal on clamp saddles and test bench with calculation for comments. AGM (M&E –Services) informed that the new samples have to be tested for their performance before approval.

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| PD (GKWSP) to fabricate sizable samples based on the new design and test the performance of the same by installing them at sites and report the outcome to the SBDRC. A letter was sent to PD (GKWSP) informing this. Discuss with PD (GKWSP) in the site visit arranged for testing bench to test water meters. | |
| **30-06-2014** | **Action :**  **PD (GKWSP)/ AGM (Doc)** |

**6.2 Commissioning & Testing of Meters on Project Test Bench**

As per the tender board of the MPC tender for water meters, work shop test bench was calibrated and the certificate obtained. The Kandy test bench yet to get the calibration certificate.

As per the decision taken at the tender board, all the test benches to be calibrated and certified by the SGS. The accreditation shall be obtained from SLAB subsequently.

Under the process of testing of imported goods in par with the new SLS standards for procurement of quality goods, the GKWSP Laboratory and Head Office Laboratory to get accreditation to proceed with the water meter testing to facilitate the testing of water meters without any delay.

AGM (M&E-Services) stated that Machine is being repaired by Turkish manufacture.

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| Necessary actions to be taken to calibrate and obtain the accreditation for the GKWSP test bench in order to use it for water meter testing. A visit to be arranged to GKWSP with Addl. GM (Sew), Addl. GM(WSP), Addl. GM (S/E), DGM (M&E-Services), AGM (M&E-Services).  Arrange a meeting with PD(GKWSP) in next couple of weeks. Manufacturer is leaving from country on 11th July 2014. | |
| **30-06-2014** | **Action :**  **AGM (M&E Services)** |

**6.3 Database for Trained Plumbers updated by Greater Kandy Water Supply Project**

Greater Kandy Water Supply Project has updated a Data base for plumbers in island wide and they have already trained 23 NWSDB officials including Engineers, Engineer Assistant and Training Officers in each Region as Trainers of the plumbers.

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| Informed PD (GKWSP) to prepare an advertisement for the GM’s signature to register plumbers in NWSDB.  Request the education qualification, training certificates, experience records, ect… in the application.  Registry for plumbers to be maintained. | |
|  | **Action :**  **PD (GKWSP)** |

**6.4 Draft SLS Specification for Ordinary Portland Cement.**

Sri Lanka standard has published a draft specification for Ordinary Portland Cement and open it for public comments. Copies were circulated among SBDRC members for their comments.

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| Need to study the previous and new standard. Contact with Mr. Liyanage to get the changes of the standard. | |
| **31-08-2014** | **Action :**  **AGM (Doc)** |

**6.5 UPVC Pipes & Fittings for Cold Water**

AGM (Doc) has submitted a letter sent by PVC supplier, Nemsuji (Pvt) Ltd, for requesting to qualify as a large diameter (225 mm, 280 mm and 315 mm) PVC supplier. Fitting for this supplier is purchased from other manufacturer who are having SLS 659 conformity certificate.

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| SBDRC requested to hold this. | |
| **31-07-2014** | **Action :**  **AGM (Doc)** |

**6.6 PE pipes manufacturers by S-Lon Lanka (Pvt) Ltd**

DGM (PC) discussed about the PE pipes manufacturers by S-Lon Lanka (Pvt) Ltd, Committee decided that until the product conformity certificate is submitted, their pipes shall not be considered.

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| Give an assurance to S-Lon Lanka (Pvt) Ltd that their PE products can buy by Water Board with a certification from an Accredited Agency for batch by batch for the one year. After one year it is necessary to submit a product conformity certificate.  Board Paper to be submitted. | |
| **31-08-2014** | **Action :**  **DGM (PC) /AGM (Doc)** |

**Annex1**

**PROGRESS OF SBD PREPARATION COMMITTEES**

**As at 24-07-2014**

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| **Sr**  **No.** | **Key** | **Title** | **Progress** | **Action by / Date** | **Present**  **Status** |
| 01 | D17 | SBD for Supply & Delivery of Gunmetal Ferrules | The same corrections for Water Meter Document to be incorporated and one tender to be called from this document before uploading to the web. | AGM(M&E-Services)  30-08-2014 | Testing in bidding |
| 02 | S15 | Specification for  Supply of GRP Pipes, Fittings for Water & Sewerage Applications | Committees appointed as below;  Mrs. K.T.P. Fernando, DGM (PC) - Chairman  Mr. U.C. Pathiranage - AGM (P&D-Doc)  Mrs. K.P.P. Dharmasena - CE (P&D- Sewerage) | DGM (PC)  15-09-2014 |  |
| 03 | S16 | Specification for Supply & Laying of GRP & Fittings for Sewerage Applications | Committees appointed as below;  Mr. S.G. Jayawardene, DGM (Sewerage) - Chairman  Mr. G.G. Sudarsan - CE (P&D-Sewerage)  Mrs. H.P.L.D. Buddhika - Eng. (P&D-Sewerage) | DGM (Sewerage)  15-09-2014 |  |

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| **Sr**  **No.** | **Key** | **Title** | **Progress** | **Action by / Date** | **Present**  **Status** |
| 04 | S17 | Specification for  Supply & Laying of GRP Pipes, Fittings for Water Applications. | Committees appointed as below;  Mr. K.W. Premasiri, DGM (North) - Chairman  Mr. D.P.M. Chandana - Project Manager (GPOBA)  Mrs. Renuka Gurusinghe – Eng. (P&D-C,N) | DGM (North)  15-09-2014 |  |
| 05 | D9 | Reviewing of Particular conditions /Employer’s Requirement of FIDIC Plant Design & Built SBD | To be done by the previous committee as below;  Mr. D.S.D. Jayasiriwardene, Addl. GM (S/E)- Chairman  Mr. K.R. Devasurendra - Addl. GM (WSP)  Mr. Mangala Abeysekara – AGM (M&E Services)  Mr. K.J.V.A. Perera – DGM (East)  Mr. K.W.Premasiri – DGM (North)  Mr. U.C. Pathiranage - AGM (P&D-Doc)  Mrs. Srima De Silva – DGM (Costing) | Addl. GM (S/E)  30-09-2014 |  |

**Outstanding SBDs/Specifications**

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| **S.No.** | **Key** | **Title** | **% Completion** | **Activity** | **Target Date of the Activity** |
| **SBDs** | | | | |  |
| 1 |  | PQ document for Couplings and Flanged Adapters | 95% | \* 3 | 15-09-2014 |
| 2 | D17 | Document for Ferrules | 100% | \* 3a | 30-08-2014 |
| 3 | D9 | Reviewing of Particular conditions /Employer’s Requirement of FIDIC Plant Design & Built SBD | 5% | \* 2 | 30-09-2014 |
| **Specifications** | | | | |  |
| 4 | - | ICTAD Specifications for Water Supply, Sewerage and Strom Water Drainage Works | 80% | \* 1 | 30-09-2014 |
| 5 | S15 | Specification for Supply of GRP Pipes, Fittings for Water & Sewerage Applications | 5% | \* 2 | 15-09-2014 |
| 6 | S16 | Specification for Supply & Laying of GRP & Fittings for Sewerage Applications | 5% | \* 2 | 15-09-2014 |
| 7 | S17 | Specification for Supply & Laying of GRP Pipes, Fittings for Water Applications. | 5% | \* 2 | 15-09-2014 |

***Note :***

\*1 - Documents to be submitted to the SBDRC.

\*2 - Works are in progress

\*3 -Comments of the PQ committee to be accommodated & sent for T& C for calling of applications.

\*3a – Same corrections to be done and test once in bidding.