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| 12.2.1                   | <p><i>Monitoring plan:</i> Is the monitoring plan documented in a complete and transparent manner in line with the approved monitoring methodology, if applicable?</p> <p><i>Monitoring plan:</i> Is it possible to monitor / measure the specified project GHG indicators?</p> <ul style="list-style-type: none"> <li>- are measurement methods defined</li> <li>- is the measurement equipment specified</li> <li>- is the measurement accuracy addressed</li> <li>- are measurement intervals defined?</li> <li>- Are procedures defined for maintenance and calibration of monitoring equipment</li> </ul> | /PDD/<br>(B.7.1.)<br>/FT/     | Yes the monitoring plan documented in the PDD is in accordance with AM0022.                                                                                                                                                                                                                                                                                                                                                          | OK    |
| 12.2.2                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | /PDD/<br>(B.7.1.)<br>/AM0022/ | Yes, see comment above.                                                                                                                                                                                                                                                                                                                                                                                                              | OK    |
| 12.2.3                   | <p><i>Monitoring plan:</i> Does the monitoring plan provide for the collection and archiving of all relevant data necessary for determining baseline and project emissions (incl. leakage) within the project boundary during the crediting period?</p>                                                                                                                                                                                                                                                                                                                                                        | /PDD/<br>/AM0022/             | Yes, see comment above.                                                                                                                                                                                                                                                                                                                                                                                                              | OK    |
| <b>Monitoring Report</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |
| 12.3.1                   | <p><i>Monitoring report:</i> Has a complete monitoring report (incl. all relevant issues) been submitted to the verifier?</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | /MR/<br>/LOG/                 | <p>The following monitoring parameters (in accordance with AM0022 and Flare Tool) of the reported monitoring period are missing in the draft monitoring log:</p> <ul style="list-style-type: none"> <li>• ID #2 i. e. wastewater outlet from two UASBs.</li> <li>• ID #8: The calculation (for amount of fossil fuel displaced) based on historic monitoring data of fossil fuel fired for hot oil and steam generations.</li> </ul> | CAR-1 |

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |
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|  |  | <ul style="list-style-type: none"> <li>• ID #11 &amp; 19: The concentration of biogas in % (specifying volume or weight basis), corresponding <math>\text{tCH}_4/\text{Nm}^3</math> (cp. Equation 7 of AM0022) and corresponding NCV (<math>\text{J}/\text{Nm}^3</math>). The NCV – methane concentration relation in biogas can be derived based on calorific value of methane as 50.6 <math>\text{GJ}/\text{t}</math> and mol of methane gas corresponds to 22.71 l.</li> <li>• ID #9, #12 and Flaring Tool: The calculation (GM01 + GM02 – GM03) based on monitored data of GM01, GM02 and GM03. The Flaring Tool prescribes to monitor on an hourly basis the "other flare parameters". Accordingly efficiency % factor should be applied for project emissions due to flaring using equation no. 1, no. 15 and provisions of efficiency % selection given in Flaring Tool. Moreover the gas flow rate has to be discounted for dry gas conditions.</li> <li>ID #17: The leakage detection practice and recording of the same is not addressed.</li> </ul> <p>.....</p> <p>The following evidences and the summarized monitored data related to project specific baseline study in acc. with the methodology should be provided to the verification team:</p> <ul style="list-style-type: none"> <li>- Extract of testing of pre-project specific factors: <math>R_{\text{lagoon}}</math> (ref equation 5 of AM 0022) ; <math>M_{\text{lagoon deposition}}</math> (ref equation 6 and testing methodology under APPENDIX 3 of AM 0022) ;</li> </ul> | CAR-2 |
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|        |                                                                             |               | <p>- Specific fuel consumption (HFO in energy unit/ dry starch quantity) from 3 yrs historical data (ref equation 9 of AM 0022) for the burners<br/>NCV of the HFO from the fuel supplier (Ref equation 9 of AM 0022).</p> <p>.....<br/>The categorical calculation sheet(s) for the emission reduction covering baseline and project emission in acc. with equation no. (1) – (12) of AM0022 except the provision of on-site electricity generation by biogas should be provided for verification conclusion.<br/>In addition to this Calculation spread sheet in accordance with equation no 13 of AM 0022 (covering entire verification period) should be provided.<br/>.....</p> | <p>CR-4</p> |
| 12.3.2 | Monitoring report: Is the Monitoring report free of material misstatements? | /MR/<br>/LOG/ | <p>CR-1</p> <p>The initial monitoring log indicates the gas volume in m<sup>3</sup>/d whereas all the field gas meters (GM01 – GM03) having provisions to meter and store in Nm<sup>3</sup>/h. Clarification is necessary.<br/>.....<br/>As per the monitoring log, UASB 01 was commissioned on 2004-01-01 and gas-firing for hot oil and steam generation was started on 2004-04-25. The emission reductions during initial non operating time of gas firing for hot utility generation result in negligible amount due to the effect of equation no. (4), (11) and (12) of AM0022. Whether the starting date of emission reductions can be consider as on 2004-01-01 or</p>        | <p>CR-2</p> |

|                   |                                                                                                                                                                                     |                        |  | 2004-04-25? Clarification is requested.                                                                                                                                                                                                                                                                              |       |
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| 12.3.3            | <i>Monitoring report:</i> Is the MR in line with the (validated) monitoring plan?                                                                                                   | /PDD/<br>/MR/<br>/LOG/ |  | Following monitoring/ calibrations to be regularized to facilitate future verification(s):<br>• ID #2: Wastewater flows leaving USAB<br>• ID #15: During regular O&M cycle (minimum annually)<br>Calibration of biogas flow meters and concentration measurement: more frequent to minimize the error in the reading | FAR 1 |
| 12.3.4            | <i>Monitoring report:</i> Does the MR address any possible changes that might affect the baseline scenario and / or parameters (e.g. changes in legislation, availability of data)? | /MR/<br>/LOG/          |  | There is very less possibility that changes e.g. in legislation might happen. However changes are subject to availability of data (ref. CAR 2).                                                                                                                                                                      | CAR-2 |
| 12.3.5            | <i>Monitoring report:</i> Have the volumes of emission reductions been stated for each year separately?                                                                             | /MR/                   |  | Please refer to CAR 4                                                                                                                                                                                                                                                                                                | CAR-4 |
| <b>Monitoring</b> |                                                                                                                                                                                     |                        |  |                                                                                                                                                                                                                                                                                                                      |       |
| 12.4.1            | <i>Monitoring:</i> Is the monitoring equipment in line with the specifications (as provided in the monitoring plan)?                                                                | /PDD/<br>/LOG/         |  | Please refer to FAR 1.                                                                                                                                                                                                                                                                                               | FAR 1 |
| 12.4.2            | <i>Monitoring:</i> Have there been any significant incidents, deviant operation modes and / or downtimes of the plant? In case yes, how have they been considered?                  | /LOG/                  |  | No, the plant is in continuous operation since its starting date.                                                                                                                                                                                                                                                    | OK    |
| 12.4.3            | <i>Monitoring:</i> Were there any malfunctions or downtimes of the installed measuring equipment? In case yes, how have they been                                                   | /MR/<br>/LOG/          |  | There is a robust system implemented – state of the art SCADA system.                                                                                                                                                                                                                                                | OK    |

|         | considered?                                                                                                                                                                             |                         |                                                                                                                                                                                                                                                                                                                                                                                           |                        |
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| 12.4.4  | <i>Monitoring:</i> Have the provisions for maintenance and calibrations of the monitoring equipment been applied according to the monitoring plan? If not how has this been considered? | /MR/<br>/LOG/<br>/CAL/  | Based on the calibration report of the gas flow meters and the gas concentration the error of the actual meter reading should be adjusted for the net emission reduction calculation. $\pm 3\%$ error is allowed without any adjustment.                                                                                                                                                  | CAR-3                  |
| 12.4.5  | <i>Monitoring:</i> Have the data collection, archiving and reporting procedures as defined in the monitoring plan been followed?                                                        | /MR/<br>/LOG/           | Please refer to CAR 1.<br>Draft Monitoring log is not very clear (how $E_{CH_4-NWTF}$ has been calculated or estimated).                                                                                                                                                                                                                                                                  | CAR-1<br>CAR-3         |
| 12.4.6  | <i>Monitoring:</i> Have the QA/QC procedures been applied in a stringent manner?                                                                                                        | /IM03/                  | Yes, the QA/QC is a part of the certified QMS.                                                                                                                                                                                                                                                                                                                                            | OK                     |
| 12.4.7  | <i>Monitoring:</i> Is it possible to trace the emission reduction calculation parameters to original records (meter readings, log sheets, delivery notes, invoices etc.)                | /MR/<br>/LOG/           | Please refer to CAR 2.                                                                                                                                                                                                                                                                                                                                                                    | CAR-2                  |
| 12.4.8  | <i>Monitoring:</i> Is the emission reduction calculation in line with the applied methodology and correct?                                                                              | /AM0022/<br>/XCS/       | Yes, no deviations from the stipulations of AM0022 have been identified. However CAR 4 has been raised.<br>Furthermore according to AM0022 the value applied for the methane emission factor indicated as 0.21 kgCH <sub>4</sub> /kgCOD in the draft monitoring log is not convincing as starch process wastewater contains complex saccharides. (cp. Eq.2 EF <sub>CH<sub>4</sub></sub> ) | CAR-4<br>GR-4          |
| 12.4.9  | <i>Monitoring:</i> Is the accuracy of the involved metering device lower than the Minimum of (a) $\pm 3\%$ or (b) the specific range given in the MRG table 2?                          | /PDD/<br>/MR/<br>/IM03/ | Please refer to CAR 3 and FAR 1                                                                                                                                                                                                                                                                                                                                                           | CAR-3<br>FAR 1         |
| 12.4.10 | <i>Monitoring:</i> Is a material error (determined as a misstatement where aggregate omissions, misrepresentations, or errors in the total emissions figure) smaller than 5 %.          | /MR/                    | Please refer to CR 1, CAR 3 and FAR 1.                                                                                                                                                                                                                                                                                                                                                    | CR-1<br>CAR-3<br>FAR 1 |

| #13:<br>General topics | Criterion:<br>The project description should be in line with all applicable standards for project documentation through a specific issue may be not explicitly addressed in the VCS.: |                           | Verifier's Action:<br>The Verification Entity shall verify that the Project documentation is complete, free of (major) misstatements and unambiguous.                                      |               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 13.1                   | Is the project activity clearly described?                                                                                                                                            | /PDD/                     | Yes, it is clearly described in A.2 and A.4.3. in the PDD.                                                                                                                                 | OK            |
| 13.2                   | Has the PDD form been duly filled?                                                                                                                                                    | /PDD/<br>section<br>A.4.3 | Yes, all sections in the PDD have been duly filled except section E. Please refer to 11.4. and 11.5.                                                                                       | OK            |
| 13.3                   | Are all assumptions clearly explained and documented?                                                                                                                                 | /PDD/<br>/MR/             | Yes, all assumptions are explained and documented to the necessary extent unless stated differently in above mentioned CARs or CRs.                                                        | Not<br>yet-OK |
| 13.4                   | Has all background data been clearly identified and referenced?                                                                                                                       | /PDD/<br>/MR/             | Refer to CAR 2.                                                                                                                                                                            | CAR-2         |
| 13.5                   | Are all formulas used for calculation are clearly stated?                                                                                                                             | /PDD/<br>/MR/             | All applied formulae including the calculation of baseline and project emission are clearly stated in the PDD. However the monitoring report is not complete. Hence CAR 4 has been raised. | CAR-4         |
| 13.6                   | Are all calculations incorporated or referenced?                                                                                                                                      | /PDD/<br>/MR/             | All used calculations are incorporated in the PDD.                                                                                                                                         | OK            |
| 13.7                   | Is confidential information clearly identified?                                                                                                                                       |                           | Not applicable.                                                                                                                                                                            | -             |
| 13.8                   | Has all necessary information been made available to the verifier?                                                                                                                    | /IM01/                    | Depends on the closure of CAR 2.                                                                                                                                                           | Not<br>yet-OK |

**Table 2: Resolution of Corrective Action and Clarification Requests**

| Draft report clarification requests and corrective action requests by validation team                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Reference (PDD, MR, Checklist)    | Summary of project owner response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Revised sections (as applicable)                                                                                                 | Validation team conclusion                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>Corrective Action Requests (CAR)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                  |                                             |
| <b>CAR 1</b><br>The following monitoring parameters (in accordance with AM0022 and Flare Tool) of the reported monitoring period are missing in the draft monitoring log:<br><ul style="list-style-type: none"> <li>ID #2 i. e. wastewater outlet from two UASBs.</li> <li>ID #8: The calculation (for amount of fossil fuel displaced) based on historic monitoring data of fossil fuel fired for hot oil and steam generations.</li> <li>ID #11 &amp; 19: The concentration of biogas in % (specifying volume or weight basis), corresponding tCH<sub>4</sub>/Nm<sup>3</sup> (cp. Equation 7 of AM0022) and corresponding NCV (J/Nm<sup>3</sup>). The NCV – methane concentration relation in biogas can be derived based on calorific value of methane as 35.7 MJ/m<sup>3</sup> and 1 mol of methane gas corresponds to 22.4 liter at NTP (101.325 kPa and 273.15K).</li> <li>ID #9, #12 and Flaring Tool: The calculation (GM01 + GM02 – GM03)</li> </ul> | /MR/<br>/LOG/<br>12.3.1<br>12.4.5 | ID #2: The waste water outlet data is equivalent to wastewater inlet as the reactor is in constant hydrological balance.<br>ID #8: A separate spread-sheet showing the historic use of fuel oil for hot oil and steam generators is attached to the documentation. Calculation of fuel displaced is based on the energy balance on NCV basis for biogas use and equivalent quantity of heavy fuel oil to deliver the same energy to the starch process.<br>ID #11, 19 based on project-specific lab analysis within calibration report and in conformity with registered project 1040 estimate for concentration of CH <sub>4</sub> in biogas.<br>ID #9, 12 flaring emissions have been revised following procedure chosen by registered project | B.7.1<br><br>B.7.1 and calculation in B.6.3 (on-site hear generation displaced)<br><br>B.7.1 and calculation sheets<br><br>B.6.3 | ID #2: The PDD was revised accordingly. OK. |

| Draft report clarification requests and corrective action requests by validation team                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Reference (PDD, MR, Checklist)                                  | Summary of project owner response                                                                           | Revised sections (as applicable)    | Validation team conclusion                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <p>based on monitored data of GM01, GM02 and GM03. The Flaring Tool prescribes to monitor on an hourly basis the "other flare parameters". Accordingly efficiency % factor should be applied for project emissions due to flaring using equation no. 1, no. 15 and provisions of efficiency % selection given in Flaring Tool. Moreover the gas flow rate has to be discounted for dry gas conditions.</p> <ul style="list-style-type: none"> <li>ID #17: The leakage detection practice and recording of the same is not addressed.</li> </ul> |                                                                 | <p>1040.<br/>Gas flow rate has been adjusted to dry conditions.</p>                                         | <p>B.7.1 and calculation sheets</p> |                                                                                                                               |
| <p><b>CAR 2</b></p> <p>The following evidences and the summarized monitored data related to project specific baseline study in acc. with the methodology should be provided to the verification team:</p> <ul style="list-style-type: none"> <li>Extract of testing of pre-project specific factors: <math>R_{\text{lagoon}}</math> (ref equation 5 of AM 0022) ; <math>M_{\text{lagoon\_deposition}}</math> (ref equation 6 and testing methodology under APPENDIX 3 of AM 0022) ;</li> </ul>                                                  | <p>/MR/<br/>/LOG/<br/>12.3.1<br/>12.3.4<br/>12.4.7<br/>13.4</p> | <p>ID #17: revision of PDD to address detection practice</p>                                                | <p>B.7.1</p>                        | <p>Necessary changes were applied in the revised PDD. OK.</p>                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 | <p>Rlagoon value from registered project no 1040 analysis as own pre-project analysis is not available.</p> | <p>B.6.2</p>                        | <p>The value 87.88 % as provided in the registered CDM project activity no. 1040 was applied and assessed as appropriate.</p> |

| Draft report clarification requests and corrective action requests by validation team                                                                                                                                                                                                                                                                 | Reference (PDD, MR, Checklist)                        | Summary of project owner response                                                                                                                         | Revised sections (as applicable)                   | Validation team conclusion                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>- Specific fuel consumption (HFO in energy unit/ dry starch quantity) from 3 yrs historical data (ref equation 9 of AM 0022) for the burners</li> <li>- NCV of the HFO from the fuel supplier (Ref equation 9 of AM 0022). Also log of density of HFO is required for physical quantity conversion.</li> </ul> |                                                       | <p>A separate monitoring sheet has been added to the documentation.</p> <p>NCV and density of HFO from registered project 1040 Korat Waste to Energy.</p> | Reference in B.6.3 is added                        | <p>M<sub>lagoon</sub> deposition was applied at zero which is sufficient. The monitoring sheet demonstrates all necessary data.</p> <p>The applied data from the registered CDM project activity are adequate.</p> <p>In conclusion CAR 2 is solved.</p> |
| <b>CAR 3</b><br>Based on the calibration report of the gas flow meters and the gas concentration the error of the actual meter reading should be adjusted for the net emission reduction calculation. $\pm 3\%$ error is allowed without any adjustment.                                                                                              | /MR/<br>/LOG/<br>/CAL/<br>12.4.4<br>12.4.9<br>12.4.10 | Calibration reports report error of below 3%.                                                                                                             | Calibration report added to document-ation         | Yes, the calculation sheets demonstrate that the measurement errors are within a range of $\pm 3\%$ . CAR is closed.                                                                                                                                     |
| <b>CAR 4</b><br>The categorical calculation sheet(s) for the emission reduction covering baseline and project emission in acc. with equation no. (1) – (12) of AM0022 except the provision of on-site electricity generation by biogas should be provided for verification conclusion.                                                                | /MR/<br>/LOG/<br>12.3.1<br>12.3.5<br>12.4.8<br>13.5   | <p>Calculation sheets have been revised.</p> <p>Equation 13 has been added to</p>                                                                         | Calculation sheet has been added to document-ation | The calculation spreadsheets were provided to the verifier including all necessary calculations, also referenced equation 13. Thus the CAR is closed.                                                                                                    |

| Draft report clarification requests and corrective action requests by validation team                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Reference (PDD, MR, Checklist)     | Summary of project owner response                                                                     | Revised sections (as applicable) | Validation team conclusion                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------|
| In addition to this, calculation spread sheet in accordance with equation no 13 of AM0022 (covering entire verification period) should be provided.                                                                                                                                                                                                                                                                                                                                                                                                              |                                    | calculation sheets                                                                                    |                                  |                                                  |
| <b>Clarification Requests</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                                       |                                  |                                                  |
| <b>CR 1</b><br>The initial monitoring log indicates the gas volume in m <sup>3</sup> /d whereas all the field gas meters (GM01 – GM03) having provisions to meter and store in Nm <sup>3</sup> /h. Clarification is necessary.                                                                                                                                                                                                                                                                                                                                   | /MR/<br>/LOG/<br>12.3.2<br>12.4.10 | All measurements are in Nm <sup>3</sup> . Revisions in the monitoring log have been made accordingly. |                                  | OK.                                              |
| <b>CR 2</b><br>As per the monitoring log, UASB 01 was commissioned on 2004-01-01, which is stated as crediting period start date in section C of the PDD, and gas-firing for hot oil and steam generation was started on 2004-04-25. The emission reductions during initial non operating time of gas firing for hot utility generation result in negligible amount due to the effect of equation no. (4), (11) and (12) of AM0022. Whether the starting date of emission reductions can be consider as on 2004-01-01 or 2004-04-25? Clarification is requested. | /MR/<br>/LOG/<br>12.3.2<br>12.4.10 | The crediting period is to begin January 1 <sup>st</sup> 2004 (as before, no change).                 |                                  | OK, the PDD demonstrates the same. CR is closed. |
| <b>CR 3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.4.5                             | Estimate from registered project                                                                      |                                  | This approach was                                |

| Draft report clarification requests and corrective action requests by validation team                                                                                                                                                                                                                                                                                                              | Reference (PDD, MR, Checklist)                        | Summary of project owner response                                                                                                                                                                                                                                                                   | Revised sections (as applicable) | Validation team conclusion                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------|
| Draft Monitoring log is not very clear (how $E_{CH_4-NWTF}$ has been calculated or estimated).                                                                                                                                                                                                                                                                                                     |                                                       | 1040 "Korat Waste to Energy" has been used.                                                                                                                                                                                                                                                         |                                  | assessed as appropriate. Hence CR is closed.          |
| <b>CR 4</b><br>According to AM0022 the value applied for the methane emission factor indicated as 0.21 kgCH <sub>4</sub> /kgCOD in the draft monitoring log is not convincing as starch process wastewater contains complex saccharides. (cp. Eq.2 EF <sub>CH<sub>4</sub></sub> )                                                                                                                  | /AM0022/<br>12.4.8                                    | The methane emission factor has been revised using actual, measured information re: COD removal and biogas production. The new value of 0.245 has been applied.                                                                                                                                     | B.6.3<br>B.7.1                   | The revised value is appropriate. The CR is closed.   |
| <b>Forward Action Requests</b>                                                                                                                                                                                                                                                                                                                                                                     |                                                       |                                                                                                                                                                                                                                                                                                     |                                  |                                                       |
| <b>FAR 1</b><br>Following monitoring/ calibrations to be regularized to facilitate future verification(s):<br><ul style="list-style-type: none"> <li>ID #2: Wastewater flows leaving USAB</li> <li>ID #15: During regular O&amp;M cycle (minimum annually)</li> <li>Calibration of biogas flow meters and concentration measurement: more frequent to minimize the error in the reading</li> </ul> | /PDD/<br>/MR/<br>/LOG/<br>12.3.3<br>12.4.1<br>12.4.10 | ID #2: the assumption that the UASB reactor operates in hydrological balance appears robust and is likely to remain standard practice unless otherwise instructed by DOE.<br>ID #15: the project developer will implement this FAR.<br>Calibration will be conducted on annual basis in the future. |                                  | The same will be verified during future verification. |