No. T-12/2015-16/1087/NMCG
National Mission for Clean Ganga
Ministry of Water Resources, River Development & Ganga Rejuvenation
Government of India

1st Floor, Major Dhyan Chand
National Stadium New Delhi – 110002
Dated: 28 July 2017

To,
The Project Director, SPMG
UP State Ganga River Conservation Agency
Government of Uttar Pradesh
2, Lal Bahadur Shastri Marg
Lucknow-226001

Sub: Administrative Approval and Expenditure Sanction for the project on “Interception, Diversion of Drains & Sewage Treatment Works” at Unnao in Uttar Pradesh under Namami Gange Programme at an estimated cost of ₹ 102.1975 Crores (Rupees One Hundred Two Crores Nineteen Lakhs Seventy Five Thousand only) under Hybrid Annuity based PPP mode.

Sir,

I am directed to convey the Administrative Approval and Expenditure Sanction for the project on “Interception, Diversion of Drains & Sewage Treatment Works” at Unnao in Uttar Pradesh Under Namami Gange Programme at an estimated cost of ₹ 102.1975 Crores (Rupees One Hundred Two Crore Nineteen Lakh Seventy Five Thousand only) with 100% central funding with the following major project components:

- Nala Tapping - 01 No (Dakkari Drain).
- Interceptor Trunk Sewer (1100 mm) – 3.2 Km
- Main Pumping Stations - 01 No.
- Rising Main (750 mm) - 50 m + 50 m Bypass.
- Construction of STP 13 MLD - 01 no.
- Effluent channel – 300 m.
- O & M for I/ D and STP Works – 15 years.
- Online Monitoring for STP - 02 Nos. (Inlet & Outlet)

2. The summary of project cost is given below and detailed cost break-up is at Annexure-I.
3. Administrative Approval and Expenditure Sanction for the project is granted subjected to the conditions as per Annexure – II.

4. The period of completion of the project is 33 (Thirty Three) months from the date of this sanction, including bidding process, award of work, as per Annexure – III, and 15 years Operation & Maintenance.

5. The grantee institution i.e. ‘Uttar Pradesh Rajya Ganga Nadi Sanrankshan Abhikaran’, the State Programme Management Group (SPMG), is an agency of the State Government constituted with the objective of serving as the dedicated institution for effective implementation of the NGRBA Programme activities at the State level, and the State is responsible in the long term for the conservation and health of the State’s stretch of the river Ganga.

6. The ‘Uttar Pradesh Jal Nigam’ is the executing agency for the project to take up the I/ D and STP Works pertaining to pollution abatement of the River Ganga in the identified areas of Unnao, Uttar Pradesh along river Ganga on hybrid annuity based PPP model.

7. The compliance with the observations of TPA, NMCG & World Bank will be ensured by UPJN. Further, UPJN may ensure that there are no overlaps with the works being undertaken by GOJP and obtain necessary NOCs, including land availability, from the State required for the project before awarding the contract.

8. The project will be implemented on hybrid annuity based PPP mode.

9. Any procurement of goods, works and consultancy if required by UPJN as part of implementing the project proposal shall be made strictly as per the prevailing procurement guidelines of Govt. of India/NGRBA framework / World Bank guidelines (if applicable).

10. The project will be funded under EAP Component - World Bank assisted project (Component A of Namami Gange), subject to the NOC received from World Bank, otherwise the funding will be from National Ganga Plan. The NMCG/Government of India reserves the right to withdraw the sanction at any stage, if it is convinced that the fund has not been properly utilized or appropriate progress is not being made.

11. In case of violation of any of the conditions of the letter of award or in case of closure or dissolution of the executing agency, the Government shall take possession of all the assets of the organization acquired out of the Government funds and use them in any
manner deemed appropriate or to recover from the organization the value of such assets at its discretion.

12. This AA&ES is issued based on the appraisal and sanction of the Executive Committee (EC) vide its 4th meeting held on 21st July 2017, and under the financial powers delegated vide OM No. 1 (3)/PF.II/2001 dated 15.11.2007 amended vide OM number 24(35)/PF-II/2012 dated 29/08/2014 of the Ministry of Finance (Dept. Of Expenditure), with the approval of Director General – National Mission for Clean Ganga and concurrence of Director (Finance) vide Dy. No. 348/ED-Finance (NMCG) dated 27.07.2017.

Yours faithfully,

(Nityananda Ray)
Deputy Secretary, SMD

Copy forwarded for information & compliance of below mentioned conditions to:-
1) The Chief Secretary, Government of Uttar Pradesh, Lucknow-226001.
2) The Managing Director, UP Jal Nigam, 6, Rana Pratap Marg, Lucknow, 226001

Copy forwarded for information to:-
1) PS to Hon’ble Minister (WR, RD & GR), Shram Shakti Bhawan, N. Delhi-110001
2) PPS to Secretary, MoWR, RD & GR, Shram Shakti Bhawan, New Delhi-110001
3) PS to Director General, NMCG
4) Executive Director (Finance), NMCG, N. Delhi
5) Executive Director (Projects), NMCG, N. Delhi
6) Executive Director (Technical), NMCG, N. Delhi
7) Executive Director (Admin), NMCG, N. Delhi
8) NMCG Officials / Sanction Folder /Guard File/Computer Cell, MIS/ NMCG, TCE - PMC.
9) Prof. Arun Kumar, IIT Roorkee.

(Nityananda Ray)
Deputy Secretary, SMD
### Annexure-I

**Summary of cost of the project proposal of**

"Interception, Diversion of Drains & Sewage Treatment Works" at Unnao in Uttar Pradesh under Namami Gange Programme

<table>
<thead>
<tr>
<th>S. No</th>
<th>Description of Work</th>
<th>₹ in Lakhs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td><strong>Interception &amp; Diversion Works</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>3.2 Km sewer line, 1100 mm dia.</td>
<td>774.65</td>
</tr>
<tr>
<td>2</td>
<td>Nala Tapping works (01 no.)</td>
<td>92.16</td>
</tr>
<tr>
<td>3</td>
<td>Main Sewage Pumping Station</td>
<td>831.84</td>
</tr>
<tr>
<td>4</td>
<td>Rising Main (750 mm, 50 m) + 50 m Bypass</td>
<td>17.7</td>
</tr>
<tr>
<td>5</td>
<td>Sewage Treatment Plant (13 MLD)</td>
<td>1846.4</td>
</tr>
<tr>
<td>6</td>
<td>Effluent Channel (300 m)</td>
<td>114.95</td>
</tr>
<tr>
<td>7</td>
<td>Boundary Wall, Approach Road and Gate</td>
<td>70.34</td>
</tr>
<tr>
<td>8</td>
<td>Staff Quarters (02 nos.)</td>
<td>24.16</td>
</tr>
<tr>
<td>9</td>
<td>DG Set</td>
<td>131.05</td>
</tr>
<tr>
<td>10</td>
<td>Sub Station</td>
<td>116.48</td>
</tr>
<tr>
<td><strong>Sub Total (A)</strong></td>
<td></td>
<td><strong>4019.73</strong></td>
</tr>
<tr>
<td><strong>B</strong></td>
<td><strong>Miscellaneous Items</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Communication &amp; Public Outreach</td>
<td>12.85</td>
</tr>
<tr>
<td>2</td>
<td>GAAP</td>
<td>8.07</td>
</tr>
<tr>
<td>3</td>
<td>ESAMP</td>
<td>42.14</td>
</tr>
<tr>
<td>4</td>
<td>UPPCL Charges</td>
<td>250.67</td>
</tr>
<tr>
<td>5</td>
<td>Labour Cess @ 1%</td>
<td>40.02</td>
</tr>
<tr>
<td><strong>Sub Total (B)</strong></td>
<td></td>
<td><strong>353.93</strong></td>
</tr>
<tr>
<td><strong>Sub Total (A+B)</strong></td>
<td></td>
<td><strong>4373.66</strong></td>
</tr>
<tr>
<td><strong>C</strong></td>
<td><strong>Project Preparation &amp; Supervision</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Project Preparation (subject to the ceiling of 4% of A+B)</td>
<td>160.79</td>
</tr>
<tr>
<td>2</td>
<td>Project Supervision (subject to the ceiling of 4% of A+B)</td>
<td>160.79</td>
</tr>
<tr>
<td><strong>Sub Total (C)</strong></td>
<td></td>
<td><strong>321.58</strong></td>
</tr>
<tr>
<td><strong>Total Capital Works (A+B+C)</strong></td>
<td></td>
<td><strong>4695.24</strong></td>
</tr>
<tr>
<td><strong>E</strong></td>
<td><strong>15 Year’s O &amp; M Cost</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Project Cost</strong></td>
<td><strong>10219.75</strong></td>
</tr>
</tbody>
</table>
Annexure-II

Conditions on Administrative Approval and Expenditure Sanction for the project on Interception, Diversion of Drains & Sewage Treatment Works at Unnao in Uttar Pradesh under Namami Gange Programme

1.0 General Conditions:

i. State Government/ Executing Agency shall comply with all the observations of TPA/ NMCG/ WB before bidding and during implementation wherever applicable.

ii. State Government/ Executing Agency shall appoint a Transaction Advisor in consultation with NMCG for facilitating the bidding process on Hybrid Annuity based PPP model.

iii. State Government/ Executing Agency shall follow the applicable procurement procedures (WB present guidelines if funded under WB Assisted Project).

iv. State Government/ Executing Agency shall explore potential reuse of the treated water from STP.

v. State Government/ Executing Agency shall generate wastewater flow data (drain), wastewater characteristics and river water quality monitoring through actual monitoring and analysis at regular intervals (at-least monthly basis).

vi. 'Uttar Pradesh Ganga Nadi Sanrakshan Abhikaran', the State Programme Management Group (SPMG), which is a registered society, shall be responsible for overall planning, management and effective implementation of the project at state level.

vii. 'Nagar Nigam, Unnao' i.e. 'Municipal Corporation of Unnao' shall be the Urban Local body (ULB) responsible for ensuring commitment to ownership, commitment to reforms for sustainable O & M, and community involvement.

viii. The Uttar Pradesh Jal Nigam (UPJN) shall be the Executing Agency (EA) of the project to be implemented under the guidance of the SPMG, in coordination and consultation with the ULB and overall monitoring of the National Mission for clean Ganga (NMCG) as per provisions laid down in the NGRBA Programme framework.

ix. The project will be executed in Hybrid Annuity Based PPP mode and needs to be suitably aligned with the 'Strategic Sanitation Plan'/ 'City Sanitation Plan'/ 'Master Plan' for Unnao city. Also, synergy shall be ensured with other Central/State sponsored Programme like JnNURM, UIDSSMT etc. in the city of Unnao to avoid any overlap/ duplication.

x. The cost towards 15 years Operation and Maintenance (O & M) has been included in the project cost. However, Operation and Maintenance (O & M) of the project in Hybrid Annuity based PPP mode for the period beyond 15 years will be responsibility of the State Government/ Urban Local Body. Sustainable revenue generation from beneficiaries, re-use of treated effluent and waste to energy etc. shall be encouraged.

xi. The State Government/ UPJN shall award the works after compliance to the orders of Hon’ble NGT in the matter 200/2014 (M C Mehta vs UoI) pertaining to Segment ‘B’ of River Ganga.

xii. The project shall meet applicable treated effluent discharge standard.

xiii. The project authorities would take “Consent to Establish” and “Consent to Operate” for STPs from the State Pollution Control Board.

xiv. The activities proposed under the project shall conform to all Environmental Legislations, any judicial orders in force at the site of work and the NGRBA Programme framework.
xv. No untreated municipal wastewater from Unnao town should be allowed to fall in the Ganga river stretch adjoining Unnao Town, after project commissioning.

xvi. Detailed design & implementation of the sewerage system, pumping stations, and lift station should be based on extensive survey. Proper investigation should be carried out before execution to achieve economy in the proposal as well as to avoid any shortfall in the design. Choice of technology should be left open and decided during the bidding process.

xvii. Standard procedure as indicated in the CPHEEO manual on Sewerage & Sewage Treatment and codes of practice of BIS will be strictly followed during project implementation.

xviii. State Government shall submit a final DPR in accordance with the TPA/ NMCG / World Bank observation before bidding including compliance to the following:
- The sewerage network has been planned and plot of TEL against the invert level and NSls has been provided in the DPR. It emerges that the hydraulic grade can be further optimized such that velocity of flows available in the trunk sewer remains of an order of 0.8 m/s. UPJN shall rework the diameters of the trunk lines which will also reduce the quantity of excavation required for laying the pipe. UPJN shall rework the calculations and submit the same to NMCG before taking up tendering or execution of works.

xix. Revised DPR must include the items stated to be left out, in comments of TPA esp. those which are integral to the project and shall be finalized before bidding.

xx. State Government / Executing Agency shall comply with all the observations of TPA/ NMCG/ WB before bidding and during implementation wherever possible.

xxi. Efforts should be made for treated water reuse, recovery of resources from STP such as Bio Gas, treated water, sewage sludge etc.

xxii. State Government/ Executing Agency shall follow the applicable procurement procedures (WB present guidelines if funded under WB Assisted Project).

xxiii. All components of the project shall be completed within specified time limits and the resources and outputs and outcomes are to be ensured as envisaged in the approved project. Completion Report shall be submitted to NMCG on completion of the project.

xxiv. Any additional component relevant for project or any component require modification or deletion, may be added or modified or deleted as the case may be, only with the prior approval of the Competent Authority.

xxv. The additional supplementary proposals indicated by TPA may be reviewed & considered by the State Government separately at its own cost.

xxvi. Guidelines issued by MoEF and other governing organizations regarding disaster management as applicable be adhered to during project execution.

xxvii. Any project cost overrun or time overrun will be brought in the notice of NMCG. Decision of cost overrun and time overrun will be granted based upon discussion in Executive Committee (EC) of NMCG.

xxviii. Staffs that may be employed for preparation, execution or operation of the project by the EA are not to be treated as employees of the SPMG/ NMCG. The deployment of such staff at the time of completion or termination of the project will not be the concern or responsibility of the SPMG/ NMCG.

xxix. Optimal utilization of the assets relating to the project and created under Ganga Action Plan or any other Central/ State Plan shall also be ensured by the SPMG/ EA/ ULB.
xxx. All data, records, documents and material related to the project shall be stored properly and catalogued by the SPMG/EA for reference and retrieval including regular uploading/disclosure/updating of such data on website.

xxxi. The State/SPMG/EA shall ensure that all provisions of the RTI Act 2005 are adhered to as far as information pertaining to the project is concerned.

xxxii. The State/SPMG/ULB shall ensure that public is informed in the State/city of Unnao regarding implementation of the project and soliciting their co-operation and views as applicable.

xxxiii. For the provisions made under IEC activities, the SPMG shall make suitable arrangements with Nagar Nigam, Unnao for executing the 'Communication and Public Outreach' Programme under its supervision towards sensitization of people for abatement of pollution and conservation of river Ganga.

Conditions/commitments indicated in this Approval, Executive Committee Memorandum, Minutes and other documents including those to be fulfilled before finalizing the bid document(s) shall be strictly adhered to in the project implementation and management. The SPMG will ensure fulfillment of such conditions before finalizing the bid(s) by the EA. Copies of EC Memorandum, Minutes, appraisal reports, observations and other related documents are already circulated.

2.0 The release of funds is subject to the following terms and conditions:-

2.1 Annual Plan and Procurement Plan:

i. The Annual Plan and yearly Procurement Plan shall be prepared by the month of November every year for the next financial year as per the provisions made in the NGRBA Programme framework and submitted by the SPMG to the NMCG for necessary approval and budget allocations.

ii. The SPMG shall furnish to the NVCG annually a report of its work within three months from the closing of the respective financial year.

2.2 Financial Aspects:

i. Funds shall be made available to the agencies strictly as per the 'Financial Management Manual (FMM)' of the NGRBA Programme framework.

ii. The SPMG/ULB shall take all necessary legal and executive measures to ensure adequate resources available for operation & maintenance of the assets created under the Project to fulfill its mandate.

iii. The funds released for the project shall be held in an interest earning NGRB project bank account of the SPMG (the mother account). The interest thus earned shall be credited to the project and reflected in the Interim Un-Audited Financial Reports (IUFRs) from time to time and shall be adjusted towards future funds release for the project. For any diversion of funds, the signatory of the bank account(s) shall be held responsible.

iv. The SPMG/EA are not permitted to seek or utilize funds for the same purpose from any other organization (Government, semi-Government, autonomous or private) without prior approval of the competent authority.
v. The sanctioned amount should be spent exclusively thereon as per the scope of the project and within the stipulated time. For carrying forward any work(s)/activities beyond the specified time limit prior approval of the NMCG should be obtained.

vi. It is the responsibility of the SPMG/EA/ULB to ensure that the assets are exclusively used for the purpose for which the grant is sanctioned and to maintain the assets and their records properly.

vii. All the assets acquired/created out of the grants shall not be disposed of, encumbered, or utilized for any purpose other than that for which sanctioned without prior approval of the Government.

2.3 Audit:

i. The Comptroller & Auditor General of India (the External Auditor) at his discretion shall have the right of access to the project related books and accounts of the SPMG/EA for the purpose of Audit.

ii. The books of accounts of the grantee, relating to this grant, shall be open to Audit by the Internal Auditor of the SPMG and the External Auditor.

iii. The overall auditing arrangements to cover both periodical internal and annual external audit of project shall be ensured as per the 'Financial Management Manual (FMM)' of the NGRBA Programme framework.

2.4 Flow of Funds:

The fund releases by the NMCG shall be remitted by Electronic transfer to the SPMG account. The fund shall flow from the SPMG account to a separate sub-project specific zero balance bank account (the 'child account') of the EA in the same bank of SPMG. The following details may be kept updated from time to time to enable electronic remittance:-

i. Bank account details of EA, both in figures and words, to SPMG.

ii. Bank account details of EA and SPMG both in figures and words to NMCG.


iv. Necessary authorization by the SPMG to its Bank to receive the remittances on its behalf and to issue necessary bank receipt to the NMCG's bank for receipt of funds.

v. Necessary authorization by the EA to its bank and under such authorization, to issue payment instruction to pay contractors / suppliers / service providers for undertaking project activities.

vi. The NMCG Bank will transfer funds from the NMCG's account to the SPMG account on submission of Interim Un-Audited Financial Report (IUFR) and other documents/ information as prescribed in the Financial Management Manual (FMM), of the NGRBA Programme framework.

vii. The SPMG Bank will transfer funds from the SPMG's account (mother account) to the child account of EA as soon as payment instruction is issued by the EA to its banker for transfer funds to contractors / suppliers / service providers account on the same date through 'Real Time Gross Settlement (RTGS)' and thus at the end of any given day, the EA child account will always have a zero balance.

2.5 Submission of Monthly and Quarterly Physical Progress Report (MPPR / QPPR):

i. The Monthly Physical Progress Reports (MPPRs) shall be submitted by the 5th day of every month regularly by the EA to the SPMG and by the 10th day of every month regularly by the
SPMG to the NMCG. The Quarterly Physical Progress Reports (QPPRs) shall be submitted to the Uttar Pradesh State Ganga River Conservation Authority' and NMCG within 30 days from the end of each quarter.

ii. The MPPRs in standard format, to be developed by the EA in consultation with SPMG, shall be signed by at least two designated officers of the EA, one of whom will be Chief Project Coordinator, UPJN and also by at least two designated officers of the SPMG, one of whom will be the Programme/ Project Director.

iii. The signing officers will indicate her/his name and designation in full in capital letters and affix official seal under the signature. While MPPR submitted by fax will be acceptable for commencement of processing the case, ink-signed MPPR must follow by Post.

iv. Consistency between physical progress and expenditure shall be maintained and reasons for substantial variations i.e., more than 10% shall be appropriately explained against each item.

2.6 Submission of Accounting and Financial Reports (AFR) by the EA:

i. The EA shall furnish monthly 'Accounting and Financial reports (AFRs)' by the 10th day of every month with all relevant documents and materials as per the 'Financial Management Manual (FMM)' of the NGRBA Programme framework after commencement of the project to the SPMG and by the 20th day of every month regularly by the SPMG to the NMCG.

ii. The 'Accounting and Financial Report (AFR)' in standard format, to be developed by the EA in consultation with SPMG, shall be signed and stamped by the Head of the Accounts Department and Head of the Organization, UPJN.

iii. The name and designation of the officers signing the AFR shall be clearly mentioned in full and in capital letters. While AFR submitted by fax will be acceptable for commencement of processing the case, ink-signed AFR must follow by Post.

iv. As part of the AFR, the EA shall submit the followings to the SPMG:

v. Invoices of suppliers/ contractors against which online payment instructions issued by the EA in the previous month.

vi. A list of invoices received and not paid during the previous month.

vii. A list of contracts signed during the previous month.

2.7 Submission of Utilization Certificates (UCs):

i. The quarterly Utilization Certificates (UCs) in the prescribed format (GFR 19A & 19B) shall be furnished by the EA to the SPMG in respect of grant-in-aid received during the various quarters within 30 days from the end of quarter, duly signed and stamped by the Head of the Organization, Head of the Accounts Department and field level functionary at executive engineer level / Principal Investigator, as applicable.

ii. The SPMG shall submit quarterly UCs, duly countersigned and stamped by the Head of the SPMG and the State authorities within 15 days on receipt of the same from the EA.

2.8 Inspection and Monitoring:

i. The 'Uttar Pradesh State Ganga River Conservation Authority' and its Standing Executive Committee shall ensure close monitoring and evaluation of progress of the project, and also monitor implementation performance of the EA.
ii. The SPMG shall ensure appointment of agency (ies) for third party inspection (TPI)/evaluation of the project strictly as per letter No. A-12012/2/2010-NRCD-II dated 16th September, 2010. The EA through the SPMG shall submit copies of the TPI Reports along with their responses/comments to the NMCG. Releases of funds will be subject to compliance of TPI reports.

iii. City level Citizen’s Monitoring Committees (CMC) shall be constituted in the Unnao city to serve as a transparency mechanism on flow of project / Programme related information to citizens and key stakeholders and to garner their feedback on project / Programme processes, as described in the NGRBA Programme framework. Social audit will be conducted by the CMC as per the provisions of the NGRBA Programme framework.

iv. NMCG may depute any person to visit the SPMG/EA for the purpose of monitoring its work and accounts of the SPMG. Full co-operation shall be provided by the EA to the persons deputed for inspection.

v. Time and cost overrun leading to delay in implementation of projects is viewed with serious concern by the Central Government and as per instructions contained in Cabinet Secretary’s D.O. letter No. 261/1/10/2000-Cabinet, dated June 4, 2001 read with Planning Commission’s D.O. letter No. O-14015/2/98-PAMD, dated 19.08.1998 (kindly visit NGRBA website/ ‘Project Monitoring’ for details), mandatory review of the project must be carried out from time to time so as to assess the expenditure trend and time schedule of the project and appropriate action against those responsible for delay shall be taken, in accordance with the instructions.

vi. The Director General, NMCG may monitor overall progress of project periodically from time to time.
### Implementation Plan for I&D and STP for the Drains & Nala of Unnao City

| ID | Task Name                          | Duration (Months) | Year-1 | Year-2 | Year-3 | Year-4 | Year-5 | Year-6 | Year-7 | Year-8 | Year-9 | Year-10 | Year-11 | Year-12 | Year-13 | Year-14 | Year-15 | Year-16 | Year-17 | Year-18 | Year-19 |
|----|------------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1  | DPR Submission & Third Party Appr | 4                 | Q1     | Q2     | Q3     | Q1     | Q2     | Q3     | Q4     | I-Q    | II-Q   | III-Q  | IV-Q   | I-Q    | II-Q   | III-Q  | IV-Q   | Q1     | Q2     | Q3     |
| 2  | Approval by NMCG                  | 1                 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 3  | Finalisation of Bid Document      | 1.5               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 4  | Publication of Bid notification   | 0.5               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 5  | Receipt of Bids from Bidders      | 2                 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 6  | Bid Evaluation and Recommendation| 2                 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 7  | Approval by NMCG                  | 0.5               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 8  | Award of Works Contract           | 0.5               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 9  | Construction, testing & commencing| 26                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 10 | 15 Years Operation & Maintenance | 180               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

**Total Completion Period (including bidding) 33 months**