

Status of the Major Projects of Inland Waterways Authority of India

PROJECT DESCRIPTION: JAL MARG VIKAS PROJECT FOR CAPACITY AUGMENTATION OF NAVIGATION ON NATIONAL WATERWAY-1

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|-----------|---|----------------|--|
| 1. | PRE-INVESTMENT ACTIVITIES | | |
| 1.1 | Institutional arrangements. | November, 2014 | <ul style="list-style-type: none"> • Setting up of Project Management Unit: June, 2014. • Designation of IWAI as the Project Implementing Agency: October, 2014. • Constitution of Project Oversight Committee (POC) to give critical guidance and evaluation of the project: September, 2014. • Setting up Project Implementation Units at Patna and Kolkata - April, 2016; at Varanasi, Sahibganj, Farakka and Haldia – April, 2018. • Setting up a Public Grievance Redress Mechanism with a Toll Free Telephone (No.1800-180-4152): December, 2016. |
| 1.2 | Detailed Feasibility Study on NW-1 and Detailed Engineering for Ancillary Works. | August, 2016 | <ul style="list-style-type: none"> • The Consultant: Joint venture of M/s Howe Engineering Projects (India) Pvt. Ltd., M/s HR Wallingford Ltd and M/s PMC Projects (India) Pvt. Ltd. • Date of award: 25.05.2015. • Status: Study ongoing. |
| 1.3 | Environmental and Social Impact Assessment (ESIA), Environmental Management Plan (EMP) and Resettlement Action Plan (RAP) | November, 2015 | <ul style="list-style-type: none"> • The Consultant: Joint Venture of M/s. EQMS India Pvt. Ltd., M/s. Abnaki Infrastructure Application & Integrated Development Pvt. Ltd. and IRG Systems South Asia Pvt. Ltd. • Date of award: 24.03.2015. • Status: Study completed. |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
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| | | | <ul style="list-style-type: none"> • Consultant for EIA and EMP Study for Ghazipur and Kalughat terminals: M/s EQMS. • Date of award: 22.11.17. • Status: Draft EIA and EMP reports for both Ghazipur and Kalughat terminals submitted. |
| 1.4 | IWT sector development Strategy and Market Development Study on NW-1 | April, 2016 | <ul style="list-style-type: none"> • The Consultancy: Joint Venture of M/s. Hamburg Port Consulting, M/s. Universal Transport Consulting, M/s. IMS Ingenieurgesellschaft Gmbh and M/s. Ramboll India. • Date of award: 24.04.2015. • Status: Study completed. |
| 1.5 | Support Services for Design of Inland vessels. | | <ul style="list-style-type: none"> • The Consultant: M/s DST, Germany. • Date of award: 19.08.2016. • Status: Consultancy completed with submission of stipulated 13 designs. Designs accepted. |
| 1.6 | Ship Model Testing | Dec. 2017 | <ul style="list-style-type: none"> • The Contractor: M/s DST Germany. • Date of award: 28.11.2017. • Status: Testing completed. Two witness visits to DST Germany conducted. |
| 1.7 | Consultancy services for planning and implementation of commercialization on NW-1 | March, 2018 | <ul style="list-style-type: none"> • The Consultant: M/s Hamburg Port Consulting. • Date of award: 31.01.2017. • Status: Eleven, out of 20, pilot movements of vessels conducted. |
| 1.8 | Project preparatory and definition study for development of ferry services on NW-1. | November, 2018 | <ul style="list-style-type: none"> • Consultant: JV of M/s Thompson Design Group and Massachusetts Institute of Technology/IAL. • Date of award: 21.12.2016. |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|--------|---|--------------------------------------|---|
| | | | <ul style="list-style-type: none"> • Status: DPRs for the ferry services at Varanasi, Patna, Munger, Bhagalpur, Kolkata and Haldia are to be submitted by the Consultants. Pre-feasibility reports for Varanasi and Patna have been submitted. |
| 1.9 | Communications Needs Assessment Study for Jal Marg Vikas Project for capacity augmentation of navigational infrastructure on National Waterway-1. | May, 2017 | <ul style="list-style-type: none"> • Consultant: M/s. AMS Consulting (P) Limited, Lucknow. • Date of award: 05.01.2017. • Status: Report submitted by the Consultant. • IWAI is taking action as per the report submitted by the Consultant. |
| 1.10 | Designing of JMVP website. | 14 weeks after signing the contract. | <ul style="list-style-type: none"> • Contractor: M/s. Compton Computers Pvt. Ltd, Kalkaji, Delhi. • Date of award: 07.07.2017. • Status: Security/Testing underway and content being uploaded. |
| 1.11 | Consultancy services for study on the effect of navigational activities on dolphins in NW-1 | One year after award of work. | <ul style="list-style-type: none"> • Consultant: M/s EQMS. • Date of award: 20.12.2017. • Status: Study ongoing. |
| 1.12 | Risk Assessment and Disaster Management Plan for NW-1 | 6 months after award of work. | <ul style="list-style-type: none"> • Consultants: M/s Kitco Limited, Kochi. • Date of Award: 04.04.2018 • Value : ₹ 69,47,425/- • Status: Inception Report submitted by the Consultant on 25.04.2018 and the study is underway. |
| 1.13 | Consultancy Services for Asset Management & Operation Framework Development for NW-1 | 65 weeks after signing the contract | <ul style="list-style-type: none"> • Consultants: (1) M/s KPMG Advisory Services P. Ltd.; (2) M/s Maritime & Transport Business Solutions B.V.; and (3) Advaita Legal. • Date of Award: 13th February, 2018 • Value: ₹ 7.95 crores. • Status: Inception Report submitted by the Consultants. |

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|--------|--|-----------|---|
| 1.14 | Technical Support Services Consultants | | <p><u>For Project on Varanasi-Sahibganj Stretch (TSSC-I)</u> Contractor: JV of M/s Egis India Consulting Engineers Pvt. Ltd & Egis France International.</p> <ul style="list-style-type: none"> • Date of Award: 22.01.2018. • Date of Mobilization at site: 24.02.2018 • MIS Expert -cum-Project Coordinator has been deployed at JMVP, Noida • Team Leader stationed at Varanasi, Uttar Pradesh. <p><u>For projects on Farakka and Haldia stretch (TSSC-II)</u></p> <ul style="list-style-type: none"> • Contractor: Joint Venture of M/s Arkitechno Consultants (I) Pvt. Ltd, Bhubaneswar and M/s IR CLASS Systems & Structures Pvt. Ltd., Mumbai • Date of award: 08.11.2017. • Date of Mobilization at site: 15.11.2017 • Project Coordinator deployed at JMVP, Noida • Various Key-experts deployed at respective sites for supervision and monitoring. Date of Mobilization at site: 15.11.2017 <p><u>For supervision of dredging contracts</u> Tendering process is in progress.</p> |
| 1.15 | Resettlement Action Plan for Sahibganj, Kalughat and Ghazipur | | Fresh tender process is being initiated, as the earlier process failed. |
| 1.16 | Smartphone based Geospatial Technology Tool for enhancing monitoring and execution for capacity augmentation of NW-1 | Feb. 2019 | Agency: M/s Tiger Party, USA Contract signed on : 23.02.2018 Value: ₹64,76,030/- Status: Work in progress. |
| 1.17 | Setting up of Digital Control Centre | | EoI published on 30.5.2018 with opening date as 27.06.2018. As no response was received, procurement action has been dropped. |

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|--------|---|------------|--|
| 1.18 | Geo-technical Investigation for bank protection and Ro-Ro locations at various locations on NW-1. | | RFP issued on 30.05.2018, with the technical bid opened on 29.06.2018 and the bid evaluation report is under consideration for opening of price bids. |
| 1.19 | Appraisal of the Project by PIB | June 2018 | <ul style="list-style-type: none"> • Dates of appraisal: 03.01.2017 and 06.03.2017. • Estimated project cost: ₹. 5,369.18 crore. • Recommendation: After resolving the issue of requirement of environment clearance for maintenance dredging, the proposal may be placed before the Cabinet for approval. • Status: MoEF&CC conveyed on 21.12.2017 their decision that maintenance dredging in rivers do not require prior environment clearance and cleared the proposal for implementation subject to IWAI implementing certain environment safety measures prescribed by MoEF&CC. • CCEA approved the project proposal on 03.01.2018. |
| 1.20 | IBRD Loan approval | June, 2018 | <ul style="list-style-type: none"> • Loan amount: USD 375 million. • Status of approval: The Board of the Executive Directors of International Bank for Reconstruction & Development approved the loan (Loan No.8752-IN) on 12th April, 2017. Loan Agreement and Project Agreement relating to the IBRD loan of USD 375.00 million were signed on 02.02.2018 between the World Bank and the Department of Economic Affairs & IWAI. The Loan Agreement and the Project Agreement have become effective from 23rd March, 2018. |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|--------|--|---------------|--|
| 2. | PROJECT IMPLEMENTATION | | |
| 2.1 | Construction of Multi-modal terminal at Haldia | October, 2019 | <p>Land:</p> <ul style="list-style-type: none"> • Requirement: sixty one acres. • Status: 61 acres of land in the Haldia Dock Complex have been taken on 30-year lease from the Kolkata Port Trust. Registration of land has been completed on 23.04.2018. • Cost of lease: ₹40.22 cr. including one time premium. • Cost of registration of land: ₹3.25 crore. <p>Clearances: MoEF&CC granted CRZ clearance on 06.11.2017.</p> <p>Civil construction:</p> <ul style="list-style-type: none"> • Date of appraisal by SFC: 17.08.2016 and 05.10.2016. • Estimated cost at which appraised: ₹495 crores for Phase-I. • Contractor: M/s ITD Cementation India Ltd. • Date of award of work contract: 30.06.2017. • Cost at which awarded: ₹517.36 crore. • Terminal Capacity: 3.18 MPTA • Start date of the project: July, 2017. • Completion date of the project: December, 2019. • Physical progress: 8.59%% • Financial progress: ₹ 19.7 crores. (excluding mobilization advance) |
| 2.2 | Construction of Multi-modal terminal at Varanasi. | August, 2018 | <p>Land: (a) For Phase-I(A)- 5.586 hectares already in the possession of IWAI at Ram Nagar, Varanasi.</p> |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|--------|------------------|----------|--|
| | | | <p>(b) For road connectivity:</p> <ul style="list-style-type: none"> • Connectivity: From the terminal to NH-7. • Requirement of land: 1.415 ha. located in the Districts of Varanasi and Chandauli. Of this, 0.823 ha. (0.053 ha Govt land and .770 ha. private land) is located in Varanasi and 0.592 (Trust land) is in Chandauli. • Date of filing requisition: 23.04.2015. • 0.227 ha of land already transferred to IWAI. ₹3.8 crore has been paid to land owners. • 0.592 ha of trust land will be transferred to IWAI after the verdict by the Allahabad High Court. In the meantime, IWAI has been permitted to construct the road on this land by the High Court. ₹4.54 crore has already been deposited with the District Administration, Chandauli. • Demand of ₹10.47 croree for 0.597 ha of land has been received and payment is being made. Land is yet to be transferred to IWAI. • Clearances: The Standing Committee of National Board for Wildlife, in its meeting held on 15.05.17, recommended grant of permission for movement and plying of inland vessels through the Kashi Turtle Wild Life Sanctuary at Varanasi subject to IWAI taking the standard mitigation measures prescribed by the Wildlife Institute of India and conditions prescribed by the State Chief Wildlife Warden. <p><u>Civil Construction.</u></p> <ul style="list-style-type: none"> • Date of appraisal by SFC: 09.12.2015. • Estimated cost at which appraised: 196.84 cr. for Phase-I (A). • Contractor: M/s AFCONS Infrastructure Ltd. • Date of award: 13.05.2016. • Cost at which awarded: ₹169.70 crore. • Terminal Capacity: 1.26 MTPA • Start date of the project: June, 2016. • Targeted completion date of the project: November, 2018. • Physical progress: 78.95%. • Financial progress: ₹ 139.72 Cr. |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|--------|--|------------|--|
| | | | <ul style="list-style-type: none"> Laying of foundation stone: Hon'ble Minister for Shipping, Road Transport and Highways on 12.08. 2016. |
| 2.3 | Construction of new navigational lock at Farakka. | June, 2019 | <p><u>Land</u></p> <ul style="list-style-type: none"> Requirement:14.86 ha. Location: Farakka Barrage Project, parallel to the existing lock. Approval for transfer of land: By Cabinet on 06.01.2016. Cost: ₹ 2.36 crore. Date of transfer: 02.03.16 Crop compensation paid to 76 locally affected persons: ₹4.48 lakhs. The existing Navigational lock at Farakka (land measuring 7.155 Ha) handed over to IWAI on 06.04.2018 <p><u>Clearances:</u> Ministry of WR,RD & GR and NGRBA cleared the proposal.</p> <p><u>Civil construction work:</u></p> <ul style="list-style-type: none"> Date of appraisal by the SFC: 29.07.2016. Estimated cost at which appraised: ₹380 crore. Contractor: M/s Larsen & Toubro Ltd. Date of award: 24.11.2016 Cost at which awarded: ₹359.19 crore. Date of commencement of work: December, 2016. Target date for completion of the project: March, 2019. Physical progress: 26.16%. Financial progress: ₹78.9 cr. |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|--------|--|-------------|--|
| 2.4 | Construction of Multimodal Terminal at Sahibganj | April, 2019 | <p><u>Land</u></p> <ul style="list-style-type: none"> • Estimated requirement of land: 195 acres. • Date of appraisal by SFC: 16.02.2016. • Estimated cost at which appraised: ₹187.00 crore, including cost of R&R. • Status of acquisition: • Requisitions for acquisition of 183.13 acres of land for the main terminal filed with the State Government in May, 2015. Land for the terminal has been fully acquired and transferred to IWAI and mutation process completed. The entire land of 9.24 acres required for road connectivity has been acquired. SIA study completed. • ₹93.52 crore has already been paid towards land compensation. <p><u>R&R:</u></p> <ul style="list-style-type: none"> • 485 families have been identified as project affected families. • Cost of R&R package released to the District Administration: ₹ 47.39 crores. • R&R package sanctioned to 482 families and transferred to 417 families. Transfer pending in respect of 68 families due to non-production of requisite records. • Two Resettlement Colonies are being set up: The first one on 16.47 acre land in Samdanala and the second on 15.81 acres of land at Paltanganj. Land for both the colonies have been acquired. • Plotting of the Samdanala colony has been completed and plots allotted to 288 families in the joint names of husband and wife. However, 9 PAFs have constructed their houses outside the resettlement colony although plots were allotted to them. • Plotting in the Paltanganj Resettlement Colony has been completed, but allotment to PAFs is yet to start. |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|--------|------------------|----------|---|
| | | | <ul style="list-style-type: none"> • Work contracts for providing common property resources in both the colonies have been awarded. Construction of school building and community centre has commenced in the Resettlement Colony. • As per decision taken in April, 2018, the houses will be constructed by the District Administration. • The PWD, Sahibganj has enhanced the cost of construction of each unit of residence for the displaced persons of Samdanala to ₹5,81,800/-, against the PMAY approved cost estimate of ₹ 99,928. An objection in this regard has been filed by the IWAI with the District Administration, Sahibganj. The District Administration has constituted a Committee on 19.07.2018 to revisit the cost estimation of houses as per PMAY Specification. <p><u>Civil construction:</u></p> <ul style="list-style-type: none"> • Date of appraisal by the SFC: 30.06.16. • Estimated cost at which appraised: ₹ 292.10 crore for Phase-I (excluding external/approach road and road over-bridge). • Contractor: M/s Larsen & Toubro Ltd. • Date of award: 27.10.2016. • Cost at which awarded: ₹280.90 crore. • Terminal Capacity: 2.24 MPTA • Start date of the project: November, 2016. • Targeted completion date of the project: May, 2019. • Physical progress: 48.23% • Financial progress: ₹134.74 cr. • Laying of foundation stone: Hon'ble Prime Minister on 06.04.2017. |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|--------|---------------------|-------------|---|
| 2.5 | Fairway Development | March, 2023 | <ul style="list-style-type: none"> • Revised Dredging Management Plan and Strategy for NW-1 approved on 2.6.2017. • Scope of work under the revised plan is as under: <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Provision of LAD of 3 m and bottom channel width of 45 m on the Haldia - Farakka (351km) stretch through deployment of departmental dredgers/SPCSDs. The estimated quantity of dredging required is 4.813 million CuM.</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Provision of least assured depth (LAD) of 3m and bottom channel width of 45 m on the Farakka-Kahalgaon stretch (146 Kms) through Performance Based Assured Dredging contract. The estimated quantity of dredging required is 2.865 million CuM. Contract awarded to M/s Adani Ports & SEZ Ltd. on 09.04.2018. Value of Work: ₹150.00 crore. Work has commenced.</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Provision of LAD of 3 m and bottom channel width of 45 m on the Sultanganj-Mahendrapur stretch (74 Kms) through Performance Based Assured Dredging contract. The estimated quantity of dredging required is 3.369 million CuM. The tender was published on 13.07.2018 and the process is in progress.</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Provision of LAD of 3 m and bottom channel width of 45 m on the Mahendrapur – Barh stretch (71 Kms) through Performance Based Assured Dredging contract. The estimated quantity of dredging required is 3.232 million CuM. The Tender was published on 25.07.18 and the process is in progress.</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Provision of LAD of 2.5 m and bottom channel width of 45 m on the Barh – Doriganj stretch (109 kms) through Quantity based maintenance dredging contract (Mix & Match</p> </div> |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|--------|---|-----------------|---|
| | | | <p data-bbox="982 310 1980 375">– IWAI dredger + SP-CSD from Service Provider). The estimated quantity of dredging required is 8.974 million CuM. The tender process is in progress.</p> <p data-bbox="982 451 1980 591">Provision of LAD of 2.5 m and bottom channel width of 45 m on the Doriganj-Ghazipur stretch (178 kms) through Quantity based maintenance dredging contract (Mix & Match – IWAI dredger + SP-CSD from Service Provider). The estimated quantity of dredging required is 8.665 million CuM. The tender process is in progress.</p> <p data-bbox="982 667 1980 807">Provision of LAD of 2.2 m and bottom channel width of 45 m on the Ghazipur - Varanasi stretch (133 kms) through Performance based Assured Dredging Contract. The estimated quantity of dredging required is 7.120 million CuM. Draft tender documents sent to the World Bank for their approval//no objection.</p> <p data-bbox="982 818 1980 883">Presently, no dredging is planned on the Kahalgaon-Sultanganj stretch (50 km) due to the presence of Dolphin Sanctuary.</p> |
| 2.6 | Bank Protection Works: | December, 2019 | <ul data-bbox="982 899 1999 1101" style="list-style-type: none"> • Locations identified: Farakka Feeder Canal (9.438 km), Farakka to Haldia reaches (33.095 km) and river bend at Farakka (3.20 km). • Status: Geo-technical investigations of Farakka Feeder Canal and river bend at Farakka have been completed. Revised DPR for Farakka feeder canal has been submitted by the Consultant and is under review; and investigations for the Farakka-Haldia reaches is in progress. |
| 2.7 | River Bend Correction upstream of the Farakka Navigational Lock. | December, 2023. | <ul data-bbox="982 1136 1999 1234" style="list-style-type: none"> • DPR submitted by the Engineering Consultants has been shared with the World Bank and the Farakka Barrage Project Authority. • Cost estimate and Tender documents under finalization. |
| 2.8 | Intermodal terminal at Kalughat. | November, 2019 | <p data-bbox="982 1273 1999 1354">Land: Requisition for acquisition of 5.159 ha. of land filed with the District Administration, Saran on 29.12.2016. Mapping/verification of land has been completed and demand of Rs. 17.84 crore for 20 acres of land (which includes some additional land within the river) has been</p> |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|--------|----------------------------------|----------------|--|
| | | | <p>prepared and sent to DM by DCLR on 2.4.2018. Final demand for payment is awaited from the District Administration.</p> <p><u>Civil construction:</u></p> <ul style="list-style-type: none"> • The DPR and tender document are under finalisation by the Engineering Consultant. • The Terminal is being planned to handle mostly container traffic. |
| 2.9 | Intermodal terminal at Ghazipur. | November, 2019 | <p><u>Land:</u></p> <ul style="list-style-type: none"> • Requisition for acquisition of 8.917 ha of land in village Dungarpur filed with the District Administration, Ghazipur on 31.03.2017. • District Administration has finalised the purchase price @ Rs. 3.20 crore per hectare and based on the same, IWAI has disbursed Rs. 18.56 cr. to the land owners. • 5.103 ha of land has already been acquired and registered. Balance 3.813 ha of land is under acquisition. • The Foundation Stone for the Terminal was laid by the Hon'ble Minister for Shipping, Road Transport and Highways on 25th January, 2018. <p><u>Civil construction:</u> Tender cancelled due to change in scope of work. Revised tender document sent to the World Bank for their approval.</p> |
| 2.10 | Construction of Ro-Ro Terminals | December, 2019 | <p><u>Pairing & Locations:</u></p> <ul style="list-style-type: none"> • Rajmahal and Manikchak; • Samdaghat and Manihari; • Kahalgaon and Tintanga; • Hasanpur and Bakhtiyarpur; and • Buxar and Saraikota . <p><u>Civil construction:</u></p> |

| Sl. No | Project Activity | Timeline | Status as on 31 st July, 2018 |
|--------|---|-------------|--|
| | | | <ul style="list-style-type: none"> • Draft DPRs for all the ten Ro-Ro Terminals have been submitted by the Engineering Consultant and are under finalization. • Topographic survey completed at all the ten sites. • Geotechnical investigation done for Rajmahal Manikchak and Manihari Ro-Ro Terminal sites. |
| 2.11 | Integrated Vessel Repair & Maintenance Complexes. | March, 2020 | <p>Locations: Sahibganj and Gaighat (Patna).</p> <p>Status: Draft feasibility report and draft project report for the complexes at Sahibganj and Gaighat have been submitted by the Engineering Consultants and are under review.</p> <p>Land: 56.22 acres of land adjoining the site of the multimodal terminal and Ro-Ro terminal at Sahibganj were identified for the Vessel Repair & Maintenance Complex. Requisition filed by IWAI on 21.11.2017. Acquisition process is pending with the District Administration.</p> |
| 2.12 | Procurement of 2 Nos. Self-Propelled Cutter Suction Dredgers | | The Tender was issued on 14.07.2018. Pre-bid meeting held on 24.07.18 and the technical bid opening is scheduled to be held on 27.08.2018. |
| 2.13 | Operation & Maintenance of the Varanasi multimodal terminal. | | RFQ for the Operation & Maintenance of the Varanasi multimodal terminal was published on 08.06.2018 and the pre-bid meeting was held on 22.06.2018. |
| 2.14 | Leasing of Vessels | | Terms of Reference under discussion with the World Bank and tender documents under finalization. |

INLAND WATERWAYS AUTHORITY OF INDIA (IWAI)

Originating Wing: Technical

Agenda Item No. 164

Subject: Physical and Financial Performance of Major Plan projects.

Abstract of financial performance of plan projects during the year 2017-18 is given below:

(Rs. in Crore)

| Sl. No. | Budget Head | F.Y. 2017-18 | | |
|--------------------|-----------------|--|---------------|-----------------------------|
| | | Approved BE (MoS lt. dt. 12.01.17) | Fund received | Exp. as on 30.04.2017 |
| 1 | 2 | 3 | 5 | 7 |
| 1. | Grants to IWAI | 102.00 | 25.57 | 6.09 |
| 2. | NE Areas (NW-2) | 126.00 | - | 2.38 |
| Grand Total | | 228.00 | 25.57 | 8.47 |

Detailed status of major projects is given in **Annex. 1**.

This has the approval of Chairperson for placing before the Board.

(SECRETARY)

Other Important Projects of NW-1

1. Removal of Hard Strata in Ghazipur – Varanasi stretch of NW-1

| | |
|------------------------------|---------------|
| Sanctioned Cost: | Rs. 15.33 cr. |
| Date of Sanction: | 22.11.13 |
| Date of Work Order: | 27.01.15 |
| Contract Value of Work: | Rs. 10.99 cr. |
| Expected date of Completion: | 22.03.17 |
| Expenditure incurred so far: | Rs. 2.50 cr. |

Status:

The contractor [Chinar Shipping & Infrastructure (I) Pvt. Ltd., Mumbai] has dredged 47,526.05 m³ quantity and approximate shoal length 900 m so far. Dredging suspended during monsoon 2016. As per Ministry of Shipping letter dated 05.10.2016, IWAI had requested M/s DCI to carry out the balance work of dredging at the same contract terms (or less). However, M/s DCI expressed inability to submit their proposal in this regard which was informed to the Ministry vide letter no. IWAI/MD/249/2016-17, dated 03.02.2017.

As per the contract, work has to be completed by 22.03.2017. Since, work progress was slow, IWAI has not accepted the request of M/s Chinar Shipping & Infrastructure (I) Pvt. Ltd., for extension of time beyond 22.03.2017.

2. Extension of River Information Service (RIS) in Farakka-Patna stretch on NW-1.

| | |
|------------------------|---|
| Sanctioned cost | Rs. 15.889 cr |
| Date of Sanction | : 27.11.14 |
| Date of work order | : 05.06.15 |
| Contract value of work | : Rs.10.66 Cr for equipment : Rs.2.40 Cr for civil works |
| Date of Completion | : In progress |

RIS civil work:-

The civil work has been completed in all 06 stations at Patna, Barh, Hathida, Bhagalpur, Manihari & Mungher. The construction work at Munger delayed due to public agitations against removal of encroachment and heavy flood in 2016. Installation of Mono pole tower, porta cabin and other equipment are under progress.

RIS Equipment:-

The work has been awarded to M/s. Recktronic Devices & Systems (RDS), Pune for supply, installation and commissioning of RIS base stations at 6 locations for an amount of Rs.10.99 Cr. The agency has completed installation of all equipment, computer hardware. The equipment has been tested in "stand alone" mode. Lease line work at Manihari, Bhagalpur, Patna has been completed. Due to delay caused by BSNL, Bihar, Testing of Lease line network couldn't be completed as per scheduled. The matter has been reported to Secretary, Department of Telecommunication by Secretary (Shipping) on 22.5.2017 for issuing of suitable direction to BSNL, Bihar for expediting the lease line work. On completion of lease line testing, the stations will be commissioned within 15 days.

3. Extension of River Information Service (RIS) in Patna-Varanasi stretch on NW-1.

| | |
|--------------------|-------------------------------|
| Sanctioned cost | Rs. 14.5 cr |
| Date of Sanction | : 19.08.15 |
| Date of work order | : 03.03.2016 |
| Contract value | : Rs.7.73 Cr for equipment |
| Date of work | : Rs.1.89 Cr for civil works. |
| Completion | : In progress |

RIS civil work:-

Construction work of RIS stations at 03 locations namely Govindapur Khas, Zamania and Varanasi are at different stage of completion. Foundation for porta cabin, mono pole, guard room, compound wall completed and DG

set room, plumbing work electrical works are in progress. Since the existing land owner is unable to produce NOC for construction of civil work, IWAI, Patna has finalised alternative land. The agency for construction of civil work is already finalised and the work will be commenced in the month of June 2017. The same is expected to be completed by September 2017.

RIS Equipment:-

The work has been awarded to M/s. Elcome Integrated System Pvt Ltd, Mumbai for supply, installation and commissioning of RIS base stations at 04 locations for an amount of Rs.7.73 Cr. The imported equipment has been delivered at Varanasi and Patna. The agency has been instructed to mobilise the mono pole and porta cabin to 03 sites where civil works are completed. All the four stations are scheduled to be commissioned by November 2017.

National Waterway – 2

4. Construction of Ro-Ro Terminal at Dhubri

| | | |
|------------------------------|---|--------------|
| Original cost | : | Rs. 31.80 cr |
| Date of sanction | : | 11.09.12 |
| Revised sanctioned cost | : | Rs. 46.69 cr |
| Revised date of sanction | : | 12.03.14 |
| Cost of work awarded to CPWD | : | Rs. 46.19 cr |
| Amount released to CPWD | : | Rs. 44.19 cr |
| Scheduled Completion date | : | 27.08.2016 |
| Expected date of completion | : | May, 2017 |

Salient features of the project: The project comprises of construction of a RCC jetty with Roll on – Roll off (Ro-Ro) facility (180m x 15.6m), bank protection, transit shed (25m x 15m), open storage (20m x 15m), internal road and utilities (security office, custom enclosure, bunkering facility, fire-fighting, electrical, weigh bridge etc.).

Status: After approval of the revised cost estimate of Rs 46.69 Cr., CPWD awarded the work to M/s Tribeni Construction. The work commenced in August 2014 and is in progress. Jetty work, Administrative Building work, Bank protection work, erections of prefabricated shed and Road completed. Physical progress of 99.9% has been achieved till 30.04.2017.

5. Development of Ship Repair Facility (Slipway) at Pandu, Guwahati

Sanctioned cost

| | | |
|------------------------------|---|---------------|
| Construction of Slipway | : | Rs. 50.76 Cr. |
| Supervision | : | Rs. 2.18 Cr. |
| Date of sanction | : | 19-08-2015 |
| Date of award of work | : | 01-01-2016 |
| Scheduled date of completion | : | 31.12.2018 |

Salient features of the project: The slipway will have three dry berths for repair (i.e. one for large vessel with length over all (LOA) limited to 60 m and two for small vessels of LOA limited to 25 m). It is possible that any of the three vessels could enter or leave the slipway independent of each other. The slipway will be constructed on seven wells of 6 meter outer diameter, Main slipway, side slipway, repair way and other utilities.

Status: Construction agency has been selected through e-tendering process and work order has been issued on 01.01.2016. Reinforce Cement Concrete (RCC) on Transfer Bay 1, Transfer Bay 2 and parking bay are in progress. Physical progress upto 30.04.2017 is 24%.

National Waterway – 3

6. Construction of Terminal at Alappuzha

| | | |
|------------------------------|---|-------------|
| Sanctioned cost | : | Rs 9.04 cr |
| Date of sanction | : | 28.11.10 |
| Scheduled Date of completion | : | 28.11.12 |
| Expected date of completion | : | 30.09.2017 |
| Amount released to CPWD | : | Rs. 9.04 cr |

Salient features of the project: The project comprises of construction of RCC Jetty of size 30 m X 10m, Godown (400 sqm.) and office building, approach road, hard standing area (4000 sq. m.), compound wall, bank protection and utilities.

Status: All the works have been completed except laying of top bituminous layer of road and hardstand. Over all physical progress of the terminal is 99%. An expenditure of Rs. 9.06 Cr. has been incurred by CPWD as on 31.03.2017.

7. Capital Dredging & Widening in Edapallikotta- Kollam Stretch

| | | |
|------------------------------|---|---------------|
| Sanctioned cost | : | Rs. 12.15 Cr. |
| Date of sanction | : | 26.03.2015 |
| Date of award of work | : | 18.11.2015 |
| Scheduled date of completion | : | 18.11.2017 |

Salient features and Status: Out of 40.33 lakh cu m. capital dredging envisaged over a shoal length of about 87 km in entire NW-3, IWAI has completed nearly 39.00 lakh cu m. of dredging over 85.00 km length. With this, single channel with the targeted depth of 2.0 meter has been provided in the entire NW-3. Capital dredging of the channel to provide two lane channel with planned width of 32 meters remains to be done in 3.00 km. This length of

3.00 km is spread over two locations: 1.00 km in Kayamkulam Kayal requiring 0.50 Lakh cu m. of dredging, which can be taken up with departmental dredgers after removal of fishing nets by State Govt.; and 2.00 km requiring 1.47 Lakh cu m. dredging including widening near Chavara. For completing the work in Chavara area, work has been awarded and the agency after mobilizing at site, has commenced the work since February, 2016. 0.11 lakh cu m. dredging in Kayamkulam Lake and 0.25 lakh cu m. dredging in Chavara area has been completed.

National Waterway-4

8. Development of NW-4:

In the absence of any co-operation and assistance of Tamil Nadu Govt. for developing South Buckingham Canal between the stretch Sholinganallur and Kalpakkam as per the sanctioned project at the estimated cost of Rs. 123.40 cr., there has been no further progress. The Chief Secretary, Tamilnadu vide letter no. 6193/LD6(2)/2017-1 dated 21.02.2017 has directed the concerned department to take action for removal of encroachments in Buckingham Canal stretch of NW-4 in Chennai city.

With regard to the development of NW-4 in Andhra Pradesh, State Govt. has completed the work for conducting delineation survey and assessment of the land required for widening, construction of terminal etc., for developing the existing canal system for navigation.

An MoU has been signed with Govt. of Andhra Pradesh during the Maritime India Summit at Mumbai on 14.04.2016 for the development of NW-4 in Andhra Pradesh in phases. Subsequently, as per the decision taken during the meeting between Hon'ble Union Minister of Shipping and Hon'ble Chief Minister of Andhra Pradesh, an agreement for formation of SPV for development of National Waterways in Andhra Pradesh was signed between IWAI and Govt. of Andhra Pradesh on 19.08.2016. As a follow up to this, EFC memorandum for the formation of a Special Purpose Vehicle for

development of National Waterways in Andhra Pradesh with 51% stake of IWAI and 49% of Government of Andhra Pradesh (GoAP) forwarded to Ministry for approval of Competent Authority. Revised EFC and CEE memos incorporating observations of various agencies forwarded to Ministry.

Further, on phase-1 projects for developing the stretch between Vijayawada to Muktiyala of Krishna River for movement of cargo a project has been sanctioned for Rs. 96.00 cr. dredging operation commenced and tender floated for fabrication and of pontoons and setting up of floating terminals.

A project proposal for phase-II activity has been submitted to the IWAI Board during 163rd meeting. The Board has made some observations which are being attended for resubmission of proposal to the Board.

National Waterway-5

9. Development of National Waterway – 5

The dredging operation in the non-tidal stretch between Erada and Padanipal is being stayed by the Hon'ble Supreme Court vide Order dated 4.5.2017 on the Special Leave Petition (Civil) No. 14686 of 2016 filed by M/s Dredging & Desiltation Co. (Pvt) Ltd. Versus (1) Ministry of Shipping, (2) IWAI, (3) M/s. Reach Dredging Ltd, (4) M/s. Gayatri Projects Ltd. Accordingly, IWAI vide Office Order dated 5.5.2017 has setup a Committee to examine the allegation made by respondent no. 4. Subsequently IWAI vide office order dated 24.5.2017 has reconstituted a Committee under the Chairmanship of Member (Technical) including Advisor (E) from Ministry of Shipping as one of the Committee Member for the joint hearing of all the concerned parties and to submit its report along with draft speaking reasoned order in terms of the direction of the Hon'ble Supreme Court. The meeting with the concerned parties are proposed to be held on 29.5.2017 & 31.5.2017. The report is to be submitted to Hon'ble Supreme Court by 1st July 2017.

Consultant for preparation of DPR followed by FEED for construction of 4 Weirs cum Barrage with 3 Navigational locks, 2 Check Dams & 1 Rubber

Dam with navigational lock was selected & Work order was issued on 14.02.2017, Agreement signed on 20.3.2017 and work shall be completed by March 2018.

EIA / EMP study between Padanipal and Paradip / Dhamra and CRZ study by M/s. Cholamandalam MS, Chennai was completed and Final draft EIA & EMP report was accepted by IWAI on 08.03.2017. Now M/s. Cholamandalam will submit the EIA / EMP report to departments concerned for obtaining the CRZ & Wild life clearance.

Work order for construction of Pontoon for temporary terminal at Erada was placed and 100% of fabrication of Pontoon has been completed by M/s MEWPL – BSL JV, West Bengal. Vide IWAI letters dated 21.3.2017 & 5.5.2017 has requested M/s MEWPL – BSL JV to transport, install and commission the Steel Pontoon at Erada terminal immediately. Two bidders have participated in the tender for supply of material handling equipment (Crane) but none has qualified in the technical evaluation, therefore, tender was discharged, retendering for supply of shore based material handling equipment is in process.

For setting up temporary terminal facility at Erada to facilitate immediate operation of cargo vessels between Erada and Dhamra & Paradip, 6.79 acres of land has been taken on lease after completing all the formalities with the land owners for a period of 7 years. Action has been initiated for land development, jetty construction as well as execution of fencing and construction of office building on the acquired land.

In October 2016, an amount of Rs. 8.09 crore has been paid to CESU on deposit work basis for providing required navigational clearance below the existing powerline crossings for shifting / raising the HT/LT lines between Dhamra and Alapua & Mangalgadi to Hansua mouth. To be completed by Dec 2017.

In March 2017, an amount of Rs. 9.33 crore has been deposited to NESCO on deposit work basis for increasing the height of the existing power lines in the stretch between Alapua and Pankapal (70 Kms). Further, an

amount of Rs 21.75 lakhs has been deposited to NESCO for shifting the powerline near Erada. The work between Alapua to Sujanpur may be completed by Dec 2017 and Sujanpur to Pankapal by Mar 2018.

An SPV named Inland Waterways Company of Odisha Limited (IWCOL) comprising of Govt. of Odisha, Paradip Port Trust and Dhamra Port Company Ltd. for the development of permanent terminal at Pankapal has been formed in June 2016. IWCOL has asked IWAI to prepare the tender document for the appointment of a Consultant for preparing the DPR for the construction of terminal at Pankapal. Draft tender document has been prepared and forwarded to IWCOL on 19.04.2017.

IWAI has written letters to the State PWD /WRD/ Rural Development Department vide letters dated 19.1.17, 21.3.17 & 19.4.17 for their views/ comments and possible remedial measures for obtaining the required navigational clearance under the existing Road / Rail bridges on NW-5. Subsequently, detailed discussions held with departments concerned on 21.4.17 at Bhubaneswar. Further, the Chairperson held meeting with the Chief Secretary, Govt. of Odisha at Bhubaneswar on 2.5.2017. Thereafter IWAI has initiated the process for the preparation of TOR for appointment of consultant for this purpose and draft TOR was handed over to the departments concerned on 5.5.2017.

B Construction and Acquisition of New Vessels

10. Acquisition of one Ro-Ro Vessel to carry 12 Trucks of 25 tonne and 200 passengers (100 seated) for NW-2 from M/s Tebma Shipyards Ltd.

| | |
|--|---------------|
| i. Date of award | 27.01.2016 |
| ii. Contract price | Rs. 13.31 cr. |
| iii. Date of agreement | 11.03.2016 |
| iv. Delivery schedule from issuance of work order – 16 months | 26.05.2017 |
| v. Amount released | Rs. 1.85 cr. |

The keel of the Ro-Ro vessel was laid on 25.03.2016 and amount of Rs. 1.85 cr. was released on 06.06.2016. For the Supervision and Monitoring the construction work for the Ro-Ro vessel, the work has been awarded to Indian Register of shipping on 22.07.2016 at a cost of Rs. 15.36 lakhs. Till date, only approval of same drawings has been obtained from the Classification Society i.e. IRS and Model Testing has been done at IIT Madras on 20.08.2016. The progress of the work is not satisfactory and the same was reviewed in the meeting held on 26.09.2016 at IWAI. The yard was requested to expedite the construction work. A notice for termination of contract was issued to the Builder on 27.12.2016. Discussions were held with representatives of the yard on 10.01.2017 and M/s Tebma Shipyards Ltd. were requested to revert back by 20.01.2017 giving their concrete plan for completion of the work or otherwise. M/s Tebma Shipyards Ltd., have indicated a revised scheduled which indicates revised delivery dated as end February, 2018.

However considering in significant progress the contract was terminated by letter dated 11.05.2017 and the Bank Guarantees submitted for Performance Security and first stage payment i.e. keel laying have been invoked by Finance letter no. IWAI/Fin/BG/3426/2017-18 dated 17.05.2017

11. Acquisition of one Ro-Ro Vessel to carry 8 Trucks of 25 tonne and 100 passengers (50 seated) for NW-2 from M/s A.C. Roy &Co.

| | |
|--|---------------|
| i. Date of award | 27.01.2016 |
| ii. Contract price | Rs. 10.04 cr. |
| iii. Date of agreement | 02.03.2016 |
| iv. Delivery schedule from issuance of work order – 14 months | 26.05.2017 |
| v. Amount released | Rs. 9.566 cr. |

The Ro-Ro vessel M.V. Gopinath Bordolai after completion of test and trials at Kolkata on 27.12.2016 and carry out ramp operation trials at Dhubri Terminal have been delivered on 07.03.2016 to IWAI. Till date an amount of Rs. 9.566 crore has been released. The vessel is being utilized in NW-2.

12. Design, Construction and Supply of two self-propelled cargo vessels of 2000 tonne capacity for operation in Indo-Bangladesh Protocol Route and NW-2 from M/s Shoft Shipyard Ltd.

| | |
|--|----------------|
| i. Date of award | 21.11.2016 |
| ii. Contract price | Rs. 21.744 cr. |
| iii. Date of agreement | 27.12.2016 |
| iv. Delivery schedule from issuance of work order | |
| First vessel - 14 months | 20.01.2018 |
| Second vessel- 16 months | 20.03.2018 |
| v. Amount released | Rs. 2.988 cr. |

The keel of the two cargo vessels were laid on 23.02.2017 and an amount of Rs. 2.988 cr. was released on 24.03.2017. Model testing of the vessel has been conducted at IIT Kharagpur on 16.03.2017. The second stage i.e. 50 % hull fabrication and erection of the first cargo vessel has been

completed and inspected on 11.05.2017 at the yard situated at Kaladara village near Bharuch (Gujarat).

13. Design, Construction and Supply of two units of Tug Barge flotilla of 2000 tonne capacity , each unit consisting of one pusher tug and two dumb barges for operation in Indo-Bangladesh Protocol Route and NW-2 from M/s A C Roy & Co Ltd.

| | |
|--|---------------|
| i. Date of award | 21.11.2016 |
| ii. Contract price | Rs. 32.48 cr. |
| iii. Date of agreement | 16.12.2016 |
| iv. Delivery schedule from issuance of work order | |
| First unit - 14 months | 20.01.2018 |
| Second unit- 16 months | 20.03.2018 |
| v. Amount released | Rs.12.37cr. |

The keel of the tugs and dumb barges were laid on 10.01.2017 and amount of Rs. 4.64 crore released on 31.01.2017. The second stage 50% hull fabrication and erection was completed on 21.03.2017 and amount of Rs. 4.64 crore released on 28.03.2017. The third stage i.e. 100% hull fabrication and erection of the first unit has been completed on 09.05.2017 and amount of Rs. 3.09 crore released on 26.05.2017. Model testing of the vessel has been conducted at IIT Madras on 09.03.2017.
