

Appendix to Annex 3

Procurement Plan

I. General

1. Project Information

Country : India
Borrower : Government of India
Project Name : National Hydrology Project
Loan Credit No. :

2. Bank's Approval Date of the Procurement Plan :

3. Date of General Procurement Notice :

4. Period Covered by this procurement plan : 18 months

II. Goods, Works, and Non-Consulting Services

Thresholds for Method of Procurement for procurement of goods, works and non-consulting services

Procurement of Goods, Information technology and non consultancy services:

Method of Procurement	Thresholds for Methods
International Competitive Bidding (ICB)	> US Dollars 3 million
Limited Competitive Bidding (LIB)	Must meet the requirements as per Para 3.2 of the Procurement Guidelines, and with prior agreement in PP with the Bank
National Competitive Bidding (NCB)	> USD 100,000 and up to USD 3 million
Shopping	Up to USD 100,000 (INR 6.5 m)
Direct	Must meet the requirements as per Para 3.7 of the Procurement Guidelines, and with prior agreement in PP with the Bank
Framework Agreement	Must meet the requirements as per Para 3.6 of the Procurement Guidelines, and with prior agreement in PP with the Bank

Procurement of Works:

Method of Procurement	Thresholds for Methods
International Competitive Bidding (ICB)	> US Dollars 40 million
National Competitive Bidding (NCB)	> USD 100,000 and up to USD 40 million
Comparison of three quotations / Shopping	Up to USD 100,000 (INR 6.5 m)
Force Account	Must meet the requirements as per Para 3.9 of the Procurement Guidelines, and with prior agreement in PP with the Bank

Prior Review Thresholds: The following would be subject to Prior review of the Bank regardless of the Method of selection:

- (a) **Works:** First procurement under the project irrespective of value and all procurements estimated to cost more than USD 10 million
- (b) **Goods:** First procurement under the project irrespective of value and all procurements estimated to cost more than USD 2 million; and

The Prior Review Thresholds will be reviewed and updated during the implementation of the project, and modified based on the risk assessment.

1. **In the case of contracts subject to prior review,** Project Implementing Entity shall seek the Bank's no objection **before granting/agreeing to** (a) an extension of the stipulated time for performance of a contract that either increases the contract price or has an impact on the planned completion of the project; (b) any substantial modification of the scope of works, goods, non-consulting services or consulting services, other significant changes to the terms and conditions of such that the contract,; (c) any variation order or amendment (except in cases of extreme urgency) which singly or combined with all variation orders or amendments previously issued, increase the original contract amount by more than 15 percent; or (d) the proposed termination of the contract..

A copy of all amendments to the contract shall be furnished to the Bank for its record.

2. Prequalification

Not Applicable

Domestic Preference: The provision of domestic preference is applicable in the evaluation of Goods only.

3. Reference to Procurement Manual

The procurement manual for the project is presently under preparation. SBDs agreed between the Project and Bank will be used for all works, goods, and non consultancy procurements.

4. Any Other Special Procurement Arrangements

The National bidding method for procurement and goods and works according to the above value thresholds will be conducted in accordance with paragraphs 3.3 and 3.4 of the Bank's Procurement Guidelines and the following provisions:

- (a) Only the model bidding documents for NCB agreed with the GOI task force (and as amended for time to time) shall be used for bidding.
 - (b) Invitations to bid shall be advertised in at least one widely circulated national daily newspaper (or on a widely used website or electronic portal with free national and international access along with an abridged version of the said advertisement published in a widely circulated national daily, among others, giving the website/electronic portal details from which the details of the invitation to bid can be downloaded) at least 30 days before the deadline for the submission of bids.
 - (c) No special preferences will be accorded to any bidder either for price or for other terms and conditions when competing with foreign bidders, state-owned enterprises, small-scale enterprises, or enterprises from any given state.
 - (d) Extension of bid validity shall not be allowed with reference to contracts subject to Bank prior review without the prior concurrence of the Bank (i) for the first request for extension if it is longer than four weeks and (ii) for all subsequent requests for extension irrespective of the period (such concurrence will be considered by the Bank only in cases of force majeure and circumstances beyond the control of the purchaser/employer).
 - (e) Rebidding shall not be carried out with reference to contracts subject to Bank prior review without the prior concurrence of the Bank. The system of rejecting bids outside a predetermined margin or 'bracket' of prices shall not be used in the project.
 - (f) Rate contracts entered into by the DGS&D will not be acceptable as a substitute for NCB procedures unless incorporation of right to audit and fraud corruption clauses. DGS&D contracts will be acceptable, however, for any procurement under the shopping procedures.
 - (g) Two or three envelope system will not be used (except when using the e-procurement system assessed and agreed by the Bank).
 - (h) No negotiations are conducted even with the lowest evaluated responsive bidders.
5. The bid evaluation will be carried out according to the agreed timeline in the Procurement Activity Schedule.

III. Selection of Consultants

1. Methods and Prior Review Threshold

Procurement methods of procurement of Consultants' Services (Firms)

Method of Procurement	Thresholds for Methods
Quality and Cost Based Selection (QCBS)	
Quality Based Selection (QBS)	Must meet the requirements as per Para 3.2 to 3.4 of the Consultant Guidelines
Selection based on a Fixed Budget (FBS)	Must meet the requirements as per Para 3.5 of the Consultant Guidelines,
Selection Based on Least Cost Basis (LCS)	Must meet the requirements as per Para 3.6 of the Consultant Guidelines,
Selection based on Consultant's Qualification (CQ)	Estimated not to exceed USD 300,000, and must meet the requirements as per Para 3.7 of the Consultant Guidelines.
Single Source Selection (SSS)	Must meet the requirements as per Para 3.8 to 3.11 of the Consultant Guidelines, and with prior agreement in PP with the Bank.

Procurement methods for Selection of Individual Consultants (IC)

Method of Procurement	Thresholds for Methods
Competitive Selection	Must meet the requirements of Section V, Para 5.1 to 5.5 of the Consultant Guidelines.
Single Source Selection (SSS)	Must meet the requirements of Section V, Para 5.6 of the Consultant Guidelines and with prior agreement in PP with the Bank

***Shall meet the requirements as stated in Consultant Guidelines**

Prior Review Thresholds:

- (a). **Consulting Firm:** First procurement under the project irrespective of value and all procurements estimated to cost more than USD 1 million.
(b). **Individual Consultant:** all procurements estimated to cost more than USD 0.3 million

Terms of Reference (ToR) for all consultant contracts shall be furnished to the Bank for its prior review and No Objection.

Note: The Prior Review Thresholds will be reviewed during the implementation of the project and modified.

1. In the case of contracts subject to prior review, before agreeing to: (a) an extension of the stipulated time for performance of a contract; (b) any substantial modification of the scope of services, substitutions of key

experts, or other significant changes to the terms and conditions of the contract; or (c) the proposed termination of the contract, the Borrower shall seek the Bank's no objection. A copy of all amendments to the contract shall be furnished to the Bank for its record.

2. Short List comprising entirely of national consultants: Short list of consultants for services, estimated to cost less than USD 800,000 equivalent per contract, may comprise entirely of national consultants in accordance with the provisions of paragraph 2.7 of the Consultant Guidelines.
3. The Request for Expression of Interest for consultancy services estimated to cost above USD 300,000 equivalent per contract for firms shall be advertised in UNDB online and World Bank external Website and in accordance with other provisions of Para 2.5 of the Consultant Guidelines
4. **Any other Special Selection Arrangements:** [including advance procurement and retroactive financing, if applicable]

I. Implementing Agency Capacity Building Activities with Time Schedule

No	Expected Outcome/Activity Description	Estimated Duration	Date
1.	ASCI training on Procurement Procedures arranged for Executive, Assistant Engineers who are responsible for Procurement - multiple trainings	2 weeks	Continuous
2.	Contract management training - multiple trainings	2 weeks	Continuous
3.	Customized training on Procurement Procedures arranged for Executive, Assistant Engineers who are responsible for Procurement - multiple trainings	1 week	Continuous

PROCUREMENT PLAN
India : National Hydrology Project

General Information
Country: India **Bank's Approval Date of the Original Procurement Plan:** 2017-11-19
Project ID: P152698 **Revised Plan Date(s): (comma delineated, leave blank)** 2022-06-21
Project Name: National Hydrology Project **GPN Date:** 2022-06-17
Loan / Credit No: IBRD / 87250
Executing Agency: West Bengal Surface Water

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	High SEA/SH Risk	Procurement Document Type	Estimated Amount (US\$)	Actual Amount (US\$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion		
													Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual		Planned	Actual
IN-WEST BENGAL SW-38559-CW-RFB / Construction of State Data Center at Kolkata	IBRD / 87250	Water Resources Monitoring System	Post	Request for Bids	Open - National	Single Stage - Two Envelope				328,358.00	294,388.26	Completed					2017-12-18	2018-03-08	2017-12-20	2018-03-10			2018-01-22	2018-04-13	2018-02-08	2018-06-20	2018-03-04	2018-07-25	2019-03-04		
IN-WEST BENGAL SW-38558-CW-RFB / Construction of Control Room for SCADA of Durgapur Barrage	IBRD / 87250	Water Resources Monitoring System	Post	Request for Quotations	Limited	Single Stage - One Envelope				89,552.00	85,295.04	Completed							2018-01-17	2018-05-17							2018-03-09	2018-08-16	2018-09-05		
IN-WEST BENGAL SW-38561-CW-RFB / Construction of Control Room for SCADA of Tilpara Barrage	IBRD / 87250	Water Resources Monitoring System	Post	Request for Quotations	Limited	Single Stage - One Envelope				89,552.00	0.00	Canceled							2018-01-31	2018-07-18							2018-03-21		2018-09-17		
NHP-2018-2019-WBSW-3795-26-CW-NCB-SE / Construction of building for installation of SCADA centre at Tilpara Barrage	IBRD / 87250	Water Resources Monitoring System	Post	Request for Bids	Open - National	Single Stage - Two Envelope				115,384.62	95,407.35	Signed					2019-07-30	2019-06-19	2019-07-30				2019-08-30	2019-08-05	2019-09-23	2019-10-01	2019-10-14	2019-11-05	2020-06-10		
NHP-2020-2021-WBSW-3400-78 / Construction of regional data centre at Purulia	IBRD / 87250	Water Resources Monitoring System	Post	Request for Bids	Open - National	Single Stage - Two Envelope				130,769.23	0.00	Pending Implementation					2020-07-15	2020-07-20					2020-08-31		2020-11-13		2020-12-18		2021-06-16		
NHP-2020-2021-WBSW-9997-09 / Construction of water modelling and training centre	IBRD / 87250	Institutional Capacity Enhancement	Post	Request for Bids	Open - National	Single Stage - Two Envelope				1,015,384.62	0.00	Pending Implementation					2020-11-30	2020-12-05					2021-01-16		2021-03-31		2021-05-05		2021-11-01		
NHP-2020-2021-WBSW-6377-41 / Construction of control rooms for canal monitoring and supervisory control of Kangsabati Irrigation System	IBRD / 87250	Water Resources Monitoring System	Post	Request for Bids	Open - National	Single Stage - Two Envelope				246,153.85	0.00	Under Implementation					2020-09-30	2022-02-07	2020-10-05				2020-11-16		2021-01-29		2021-03-05		2021-09-01		
NHP-2021-2022-WBSW-3653-27 / Construction of Control Rooms for Canal Monitoring and Supervisory Control of Mayurakshi system	IBRD / 87250	Water Resources Monitoring System	Post	Request for Bids	Open - National	Single Stage - Two Envelope				246,153.85	0.00	Pending Implementation					2021-06-15		2021-06-20				2021-08-01		2021-10-14		2021-11-18		2022-05-17		
NHP-2020-2021-WBSW-9077-85 / Construction of regional data centre at Jalpaiguri	IBRD / 87250	Water Resources Monitoring System	Post	Request for Bids	Open - National	Single Stage - Two Envelope				115,384.62	0.00	Canceled					2020-11-30	2020-12-05					2021-01-16		2021-03-31		2021-05-05		2021-11-01		
NHP-2021-2022-WBSW-4162-50 / Construction of SCADA control room at Mahananda Barrage	IBRD / 87250	Water Resources Monitoring System	Post	Request for Bids	Open - National	Single Stage - Two Envelope				153,846.15	0.00	Pending Implementation					2022-03-02		2022-03-07				2022-04-18		2022-07-01		2022-08-05		2023-02-01		

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Estimated Amount (US\$)	Actual Amount (US\$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion		
											Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual		Planned	Actual
IN-WEST BENGAL SW-36326-GO-RFO / Procurement and installation of Photocopier and Printers for the State Project Management Unit of National Hydrology Project	IBRD / 87250	Water Resources Monitoring System	Post	Request for Quotations	Limited	Single Stage - One Envelope		7,692.31	25,355.32	Signed							2017-11-14	2017-10-18							2017-12-08	2017-12-27	2018-01-07	2018-03-12	
IN-WEST BENGAL SW-36330-GO-RFO / Procurement and installation of Desktop PC with peripherals for the State Project Management Unit of National Hydrology Project	IBRD / 87250	Water Resources Monitoring System	Post	Request for Quotations	Limited	Single Stage - One Envelope		7,692.31	19,082.30	Signed							2017-11-14	2017-10-16							2017-12-09	2017-12-12	2018-01-08	2018-02-21	
IN-WEST BENGAL SW-38548-GO-RFB / Procurement of Discharge measuring Equipment (ADCP)	IBRD / 87250	Water Resources Monitoring System	Post	Request for Bids	Open - National	Single Stage - Two Envelope		97,015.00	69,656.41	Signed				2017-12-06	2017-12-18	2017-12-06	2018-03-10			2017-12-27	2018-02-16	2018-01-07	2018-04-09	2018-01-30	2018-04-16	2018-05-30			
IN-WEST BENGAL SW-39196-GO-RFO / Procurement of ITC equipment	IBRD / 87250	Water Resources Monitoring System	Post	Request for Quotations	Limited	Single Stage - One Envelope		11,940.00	6,494.50	Completed							2017-12-11	2018-03-15					2018-01-26	2018-06-07	2018-03-12	2018-08-09			
IN-WEST BENGAL SW-38548-GO-RFB / Procurement of Survey Instruments (1 no. RTK-DGPS and 4 nos. GPS-Hand held)	IBRD / 87250	Water Resources Monitoring System	Post	Request for Quotations	Limited	Single Stage - One Envelope		53,800.00	51,901.20	Signed							2018-02-12	2018-03-07					2018-03-15	2018-08-03	2018-05-14				
IN-WEST BENGAL SW-48181-GO-RFO / Procurement of Survey Instruments (2 nos. Total Station and 4 nos. Digital Level)	IBRD / 87250	Water Resources Monitoring System	Post	Request for Quotations	Limited	Single Stage - One Envelope		23,100.00	16,840.08	Signed							2018-02-12	2020-01-07					2018-03-15	2020-07-01	2018-05-14				
IN-WEST BENGAL SW-38540-GO-RFB / Supply Installation Testing Commissioning and Maintenance of Real Time Data Acquisition System (RTDAS) with telemetry of Irrigation and Waterways Department, West Bengal Under National Hydrology Project And Integrate with Data Center located at Kolkata	IBRD / 87250	Water Resources Monitoring System	Post	Request for Bids	Open - National	Single Stage - Two Envelope		1,879,461.54	0.00	Canceled				2018-07-25	2018-08-09	2018-07-25	2018-08-09			2018-08-27		2018-09-17		2018-10-08		2019-10-08			

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Contract Type	Estimated Amount (US\$)	Actual Amount (US\$)	Process Status	Terms of Reference		Expression of Interest Notice		Short List and Draft Request for Proposals		Request for Proposals Issued		Opening of Technical Proposals / Minutes		Evaluation of Technical Proposal		Combined Evaluation Report and Draft Negotiated Contract		Signed Contract		Contract Completion	
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
NHP-2019-2020-WBSW-2794 10 / Benchmarking study of the Kangsabati Reservoir Project	IBRD / 87250	Water Resources Operations and Planning System	Post	Consultant Qualification Selection	Open - National		76,923.08	0.00	Canceled	2019-07-14		2019-08-04		2019-09-17							2019-10-17		2019-11-21		2020-05-19		
NHP-2019-2020-WBSW-7315 24 / Inflow forecast, flood warning and inundation prediction in the Kangsabati Kailash at Sitabati and Dewarakeswar sub-basins	IBRD / 87250	Water Resources Operations and Planning System	Post	Least Cost Selection	Open - National		369,230.77	0.00	Pending Implementation	2019-07-11		2019-07-31		2019-09-11				2019-09-18		2019-10-18		2019-11-22		2019-12-27		2020-06-24	
NHP-2020-2021-WBSW-4918 32 / Engagement of consultant for water availability study in the districts of Purulia Bankura and Paschim Medinipur	IBRD / 87250	Water Resources Information Systems	Post	Least Cost Selection	Open - National		153,846.15	74,674.13	Signed	2020-07-30	2021-08-23	2020-08-20		2020-10-03	2021-08-26			2020-10-31	2021-10-29	2020-11-30	2021-12-08	2021-01-04	2022-01-14	2021-02-08	2022-02-02	2021-08-07	
NHP-2020-2021-WBSW-5065 62 / Architectural and engineering consultancy for water modelling and training centre	IBRD / 87250	Institutional Capacity Enhancement	Post	Consultant Qualification Selection	Open - National		61,538.46	0.00	Canceled	2020-08-31	2021-02-03	2020-09-21		2020-11-04							2020-12-04		2021-01-08		2021-07-07		
NHP-2020-2021-WBSW-7063 79 / Benchmarking study of the Kangsabati Reservoir Project	IBRD / 87250	Water Resources Operations and Planning System	Post	Quality And Cost-Biased Selection	Open - National		76,923.08	0.00	Pending Implementation	2021-04-20		2021-05-11		2021-06-24				2021-07-22		2021-08-21		2021-09-25		2021-10-30		2022-10-30	
NHP-2021-2022-WBSW-5160 58 / Engagement of Consultant & Research Assistant for PDS on Environmental Flow in Sundarban	IBRD / 87250	Water Resources Operations and Planning System	Post	Least Cost Selection	Open - National		18,461.54	0.00	Pending Implementation	2021-06-15		2021-07-06		2021-08-19				2021-09-16		2021-10-16		2021-11-20		2021-12-25		2022-06-23	
NHP-2021-2022-WBSW-6521 91 / Preparation of EAP (Emergency Action Plan) for Mayurakshi Reservoir	IBRD / 87250	Water Resources Operations and Planning System	Post	Least Cost Selection	Open - National		76,923.08	0.00	Pending Implementation	2021-08-25		2021-09-15		2021-10-29				2021-11-26		2021-12-26		2022-01-30		2022-03-06		2022-09-02	
NHP-2021-2022-WBSW-7612 18 / Architectural and engineering consultancy for water modelling and training centre	IBRD / 87250	Institutional Capacity Enhancement	Post	Least Cost Selection	Open - National		10,769.23	0.00	Under Implementation	2021-09-02	2021-02-08	2021-09-02		2021-09-03	2021-02-10			2021-09-17	2021-03-19	2021-09-20	2021-05-31	2021-09-24		2021-09-26		2021-12-25	

INDIVIDUAL CONSULTANTS

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Contract Type	Estimated Amount (US\$)	Actual Amount (US\$)	Process Status	Terms of Reference		Invitation to Identify/Selected Consultant		Draft Negotiated Contract		Signed Contract		Contract Completion	
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual