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 32
	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	Estimated not to exceed USD 300,000, and
(CQ)	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	Date
		Duration	
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 India: National Hydrology Project

General Information

Project ID:

Country: India

Bank's Approval Date of the Original Procurement Plan: 2017-08-11

Revised Plan Date(s): (comma delineated, leave blank if non 2019-01-11

GPN Date:

P152698 Project Name: National Hydrology Project

Loan / Credit No: IBRD / 87250 Executing Agency(ies) Survey of India

WORKS																											
Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Actual Amount (US\$)	Process Status		qualification ments	Prequal Evaluation		Docur	Bidding nent / ication	Specific Pr Notice / I	ocurement Invitation	_	Oocuments ssued	Proposal S Opening	ubmission / / Minutes	Repor	aluation rt and ndation for rard	Signed (Contract	Contract C	ompletion
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
IN-SOI-4988-CW-DIR / Establishment of production facility for 120k geodatabase processing. West involves civil and electrical renovation in existing building. West being executed through CPWD as per WB guidelines at NGDC/ DMC, Debradun.	IBRD / 87250		Post	Request for Bids	Open - National	Single Stage - One Envelope		0.00	Pending Implementati on					2018-02-09		2018-02-14				2018-03-07		2018-03-12		2018-03-20		2018-03-31	
IN-SOL-44996-CW-DIR / Establishment of production facility for 1.25k geodatabase processing. Work involves viv) and electrical removation in existing building. Work being executed through CPWD as per WB guideline at GISTO' UK&WUP GDC, Dehradun.	IBRD / 87250		Post	Request for Bids	Open - National	Single Stage - One Envelope		0.00	Pending Implementati on					2018-02-09		2018-02-14				2018-03-07		2018-03-12		2018-03-20		2018-03-31	
IN-SOL-45002-CW-DIR / Establishment of production facility for 0.5m DEM data processing. West involves civil and electrical renovation in existing building. Work being executed through CPWD as per WB guidelines at G&RB office of Survey of India in Debradun.	IBRD / 87250		Post	Request for Bids	Open - National	Single Stage - One Envelope		0.00	Pending Implementati on					2018-02-09		2018-02-14				2018-03-07		2018-03-12		2018-03-20		2018-03-31	
IN-SOI-23030-CW-RFB / Lidar Survey- Acquisition and processing including setting up of geospatial data production centre	IBRD / 87250		Post	Request for Bids	Open - National	Single Stage - One Envelope		0.00	Canceled					2017-11-01		2017-11-06				2017-12-18		2018-01-17		2018-02-21		2018-08-20	
IN-SOI-61871-CW-RFQ / Establishment of production facility for 3-5m DEM	IBRD / 87250		Post	Request for Quotations	Open - National	Single Stage - One Envelope		0.00	Pending Implementati on							2018-07-21								2018-09-15		2019-03-14	
IN-SOI-62132-CW-RFB / Setting up Production Centre for PDO	BRD / 87250		Post	Request for Bids	Open - National	Single Stage - Two Envelope		0.00	Pending Implementati on					2018-07-16		2018-07-21				2018-09-01		2018-11-14		2018-12-19		2019-06-17	

GOODS

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Actual Amount (US\$)	Process Status	Draft Pre-qu		Prequali Evaluatio		Draft Docur Justifi		Specific P Notice /	rocurement Invitation	Bidding I	Ocuments ssued	Proposal S Opening	ubmission /	Bid Evs Repor Recommen	t and	Signed (Contract	Contract Co	ompletion
									Pending	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
IN-SOI-21678-GO-RFQ / Furniture for PDO	IBRD / 87250		Post	Request for Quotations	Limited	Single Stage - One Envelope		0.00								2017-09-05								2017-10-31		2018-04-29	
IN-SOI-23021-GO-RFB / Additional Hardware and Software for updation	IBRD / 87250		Post	Request for Bids	Open - National	Single Stage - One Envelope		0.00	Under Implementati on					2017-11-01		2017-11-06				2017-12-18		2018-01-17		2018-02-21		2018-08-20	
IN-SOI-60735-GO-RFB / Procurement of 02 nos. Relative gravimeters for geoid modeling.	IBRD / 87250		Post	Request for Bids	Open - National	Single Stage - Two Envelope		291,392.00	Under Implementati on					2018-04-25		2018-04-25				2018-05-28		2018-06-27		2018-07-28		2018-09-26	
IN-SOI-80751-GO-RFB / Procurement of Absolute gravimeter (01 no.) for geoid modeling	IBRD / 87250		Post	Request for Bids	Open - National	Single Stage - Two Envelope		548,834.68	Under Implementati on					2018-04-25		2018-04-25				2018-05-28		2018-06-27		2018-07-28		2018-09-26	
IN-SOI-21533-GO-RFB / Gravimeters for Survey of India	IBRD / 87250		Post	Request for Bids	Open - National	Single Stage - One Envelope		0.00	Canceled					2018-01-12		2018-01-17				2018-02-28		2018-03-30		2018-05-04		2018-10-31	
IN-SOI-29487-GO-RFQ / Procurement of mid level workstations for PDO	IBRD / 87250		Post	Request for Quotations	Limited	Single Stage - One Envelope		0.00	Pending Implementati on							2017-10-11								2017-12-07		2018-06-05	
IN-SOI-21535-GO-RFB / Procurement of Survey Instruments for Geoid modelling	IBRD / 87250		Post	Request for Bids	Open - National	Single Stage - One Envelope		0.00	Under Implementati on					2017-09-01		2017-09-06				2017-10-18		2017-11-17		2017-12-22		2018-06-20	
IN-SOI-21608-GO-RFB / Procurement of Laptops for PDO	IBRD / 87250		Post	Request for Quotations	Limited	Single Stage - One Envelope		0.00	Pending Implementati on							2017-09-05								2017-10-31		2018-04-29	
IN-SOI-21601-GO-RFB / Purchase of vehicles for PDO	IBRD / 87250		Post	Request for Quotations	Limited	Single Stage - One Envelope		0.00	Pending Implementati on							2017-09-05								2017-10-31		2018-04-29	
IN-SOI-22187-GO-RFQ / Procurement of 01 flat bed scanner	IBRD / 87250		Post	Request for Quotations	Limited	Single Stage - One Envelope		0.00	Pending Implementati on							2017-09-05								2017-10-31		2018-04-29	
IN-SOI-61763-GO-RFQ / Procurement of 10 plotters	IBRD / 87250		Post	Request for Quotations	Limited	Single Stage - One Envelope		0.00	Pending Implementati on							2018-06-09								2018-08-04		2019-01-31	
IN-SOI-61764-GO-RFQ / Procurement of 05 drum scanners	IBRD / 87250		Post	Request for Quotations	Limited	Single Stage - One Envelope		0.00	Pending Implementati on							2018-06-09								2018-08-04		2019-01-31	
IN-SOI-22160-GO-RFQ / Printing Consumables	IBRD / 87250		Post	Request for Quotations	Limited	Single Stage - One Envelope		0.00	Canceled							2017-09-06								2017-11-01		2018-04-30	
IN-SOI-23020-GO-DIR / Cost of Satellite imagery for updation of geodatabase	IBRD / 87250		Post	Direct Selection	Direct			0.00	Canceled					2018-01-01		2018-01-11								2018-02-15		2018-08-14	

IN-SOI-22995-GO-RFQ / Setting up of Production facility-Conference room, electrification, partitioning, computer table, chairs etc	IBRD / 87250	Post	Request for Quotations	Limited	Single Stage - One Envelope	0.00	Canceled			:	2017-09-06				2017-11-01	2018-04-30
IN-SOI-23002-GO-RFB / Setting up of Production facility at multiple locations- Conference room, office furniture and other petty items etc	IBRD / 87250	Post	Request for Bids	Open - National	Single Stage - One Envelope	0.00	Canceled		2017-11-01	:	2017-11-06	2017-12-1	3	2018-01-17	2018-02-21	2018-08-20
IN SOI 22165-GO-RFB / Setting up of Geospatial Data Production Centres- and Anniverse including servers, storapy, werkstations, firewall, ext HIDD, related aw, and Non-IT infrastructures including electrification, networking, partioning,DG sets, UPS etc at multiple locations	IBRD / 87250	Post	Request for Bids	Open - National	Single Stage - One Envelope	0.00	Canceled		2017-11-01	:	2017-11-08	2017-12-1	3	2018-01-17	2018-02-21	2018-98-20
IN-SOI-23693-GO-RFQ / Procurement of scanners, printers and plotters for PDO	IBRD / 87250	Post	Request for Quotations	Limited	Single Stage - One Envelope	0.00	Pending Implementati on			:	2018-06-16				2018-08-11	2019-02-07
IN-SOI-23006-GO-RFB / Scanners and Plotters - three for multiple locations	IBRD / 87250	Post	Request for Bids	Open - National	Single Stage - One Envelope	0.00	Canceled		2017-11-01	:	2017-11-06	2017-12-1	3	2018-01-17	2018-02-21	2018-08-20
IN-SOI-61868-GO-RFB / Setting up of Continuously Operating Reference System (CORS)	IBRD / 87250	Prior	Request for Bids	Open - National	Single Stage - Two Envelope	0.00	Under Implementati on		2018-07-10	:	2018-07-15	2018-08-2	3	2018-11-08	2018-12-13	2019-06-11
IN-SOI-61869-GO-RFB / Procurement of PCs, workstations, laptops and office software for 1-25k gdb	IBRD / 87250	Post	Request for Bids	Open - National	Single Stage - Two Envelope	0.00	Pending Implementati on		2018-06-25	:	2018-06-30	2018-08-1	1	2018-10-24	2018-11-28	2019-05-27
IN-SOI-61870-GO-RFB / Establishment of H/W infrastructure for Geospatial Data Centre for 1:25k geodatabase	IBRD / 87250	Post	Request for Bids	Open - National	Single Stage - Two Envelope	0.00	Pending Implementati on		2018-07-02	:	2018-07-07	2018-08-1	3	2018-10-31	2018-12-05	2019-06-03
IN-SOI-61872_GO-RFB / Procurement of PCs, workstations,laptops, scanners, plotters, firewall, servers, storage devices with related software for 3-5m DEM	IBRD / 87250	Post	Request for Bids	Open - National	Single Stage - Two Envelope	0.00	Under Implementati on		2018-06-25	:	2018-06-30	2018-08-1	ı	2018-10-24	2018-11-28	2019-05-27
IN-SOI-61767-GO-DIR / Procurement of stereo satellite imagery for creation of 3-5m DEM of gap areas.	IBRD / 87250	Post	Direct Selection	Direct		0.00	Pending Implementati on		2018-05-21		2018-05-26				2018-06-30	2018-12-27
IN-SOI-61766-GO-DIR / Procurement of satellite imagery for updation of 1-25k geodatabase.	IBRD / 87250	Post	Direct Selection	Direct - National	Single Stage - One Envelope	0.00	Pending Implementati on		2018-07-10	:	2018-07-10				2018-07-20	2018-07-25

IN-SOL-80283-GO-DIR / 50 Nos. BOLERO CAMPER PS dWD (Mahindra & Mahindra Vitility Vehicles procured on GeM under Proprietary Article Certificate (PAC) category through Bidding process. Vehicles will be employed for field survey activities.		Post	Direct Selection	Direct		0.00	Pending Implementati on			2018-10-01	2018-10-06				2018-11-10	2019-05-09
IN-SOI-94165-GO-DIR / Procurement of 10 software licenses of ESRI ArcGIS server (Advance)	IBRD / 87250	Post	Direct Selection	Direct		0.00	Pending Implementati on			2019-01-09	2019-01-19				2019-03-01	2019-08-28

NON CONSULTING	SERVICES																										
Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Actual Amount (US\$)	Process Status		qualification ments	Prequal Evaluation		Draft Docun Justifi	nent /	Specific P	rocurement Invitation	Bidding I			ubmission / / Minutes	Recommen	aluation t and dation for ard	Signed	Contract	Contract (Completion
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
IN-S01-51084-NC-RFB / Providing Services for Generation of GIS ready database for river basins/deltas covering area of approximately 803402 sq. kms.	IBRD / 87250		Prior	Request for Bids	Open - International	Single Stage - Two Envelope		0.00	Under Review					2018-03-12		2018-04-06				2018-05-21		2018-08-03		2018-09-07		2020-02-29	
IN-SOI-51103-NC-RFB / Provision of services for Acquisition, Processing and Delivery of DEM and Digital Ortho-Image			Prior	Request for Bids	Open - International	Single Stage - Two Envelope		0.00	Under Implementati on					2018-03-12		2018-04-11				2018-05-26		2018-09-08		2018-10-13		2019-08-09	

CONSULTING FIRM	IS .																									
Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Contract Type	Actual Amount (US\$)	Process Status	Terms of	Reference	Expression No			and Draft	Request for as Is		Opening of Proposals			ation of	Report a	Evaluation and Draft Contract	Signed (Contract	Contract (Completion
									Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
IN-SOI-21568-CS-QCBS / Procurement, Contract Management and Project Management Specialists	IBRD / 87250		Post	Quality And Cost- Based Selection	Open - National		0.00	Canceled	2017-11-01		2017-11-22		2018-01-05				2018-02-02		2018-03-04		2018-04-08		2018-05-13		2019-05-13	
IN-SOI-21539-CS-QCBS / Consultant for setting up of H/w infrastructure for geospatial data production centres	IBRD / 87250		Post	Quality And Cost- Based Selection	Open - National		0.00	Canceled	2017-07-24		2017-07-24		2017-09-06				2017-10-04		2017-11-03		2017-12-08		2018-01-12		2019-01-12	
IN-SOI-23705-CS-QCBS / MIS assistant at PDO	IBRD / 87250		Post	Quality And Cost- Based Selection	Open - National		0.00	Canceled	2017-09-01		2017-09-22		2017-11-05				2017-12-03		2018-01-02		2018-02-06		2018-03-13		2019-03-13	
IN-SOI-23001-CS-QCBS / Hiring of technical resources for spatial data editing and processing and QA/QC -10m DTM			Post	Quality And Cost- Based Selection	Open - National		0.00	Canceled	2017-09-01		2017-09-22		2017-11-05				2017-12-03		2018-01-02		2018-02-06		2018-03-13		2019-03-13	

INDIVIDUAL CONSULTANTS