

BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION LTD., PATNA

Name of Work:- Survey, Review the designs, Redesign where necessary and build new sewerage network of about 97 Km length including Survey, Design, Construction of 1 No of Pumping station and all apputertances structures, and O & M of Sewerage network and pumping station for a period of 10 years at Karmalichak in Patna, State of Bihar, India

IFB No:- IN-NMCG-3045-CW-RFB ,

Dt: 09-05-2017

Addendum - 1

Sl. No.	Clause No.	Bid Condition	To be read as
1	26.3. Existing sewerage system Survey, 335 of 433	"The tender specifies" For laying of new sewers in place of damaged and unserviceable existing sewers, the earthwork excavation shall be measured including existing damaged sewers under all soils classification, the new sewer lines in place of damaged one's, dismantling of existing damaged manholes and reconstruction of the same shall be done as per items in BOQ. The diversion of sewage for in service sewer lines and manholes, if required during this work will be done by the OWNER"	"The tender specifies" For laying of new sewers in place of damaged and unserviceable existing sewers, the earthwork excavation shall be measured including existing damaged sewers under all soils classification, the new sewer lines in place of damaged one's, dismantling of existing damaged manholes and reconstruction of the same shall be done as per items in BOQ. The diversion of sewage for in service sewer lines and manholes, if required during this work will be done by the OPERATOR"
2	Summary of O&M Price, Table No. 7 Column no 4, Page - 92 of 433	Total Price (2+3+4)	Total Price (2+3)
3	Price Bid Sl no. - 6, Supply & Laying of lateral/branch/trunk Sewers by trenchless method		Supply of RCC Jacking pipe to be used for Trenchless work is included as Annexure - 1
4	Bill of Quantities of Civil Works, Table 3 S.No 2.15,2.17,2.19 & 2.21, Pages 68,69 & 70 of 433 and 287 of 433	Providing, transportation, lowering and fixing precast RCC circular type manholeM 40 grade of cement concrete placed, reinforcementGRP / FRP (Heavy duty) type manhole cover	Providing, transportation, lowering and fixing precast RCC circular type manholeM 40 grade of cement concrete placed, reinforcementSFRC type manhole cover
5	Bill of Quantities of Civil Works, Table 3 Drop Manhole , Table 3 S.No 2.22 , 71 of 433	Providing sand cast iron drop connection externally for 60 cm	Providing 200 mm dia HDPE PE 100 PNB Drop Connectionexternally for 60 cm
6	Schedule A – Part h QUALIFICATION CRITERIA, 1.5 Financial Capabilities: Page 102 of 433	The Bidder's audited balance sheets for the last three years shall be submitted and must demonstrate the current soundness of the Bidder's financial position and indicate its prospective long-term profitability.	The Bidder's audited balance sheets for the last three years shall be submitted and must demonstrate the current soundness of the Bidder's financial position.

Name of Work:- Survey, Review the designs, Redesign where necessary and build new sewerage
IFB No:- IN-NMCG-3045-CW-RFB ,

Annexure - 1

S.No.	Item of work	Quantity	Unit	Rate (In Figure)	Total Amount (In Rs.)
6.3	Supply of RCC Jacking pipe SS Collar as product pipe including transportation to the site location ,stacking etc...as per the instructions of engineer in charge				
	Upto 300 mm dia	1885	M		
	Above 300 mm and upto 450 mm dia	2000	M		
	Above 450 mm and upto 600 mm dia	3615	M		
	Above 600 mm and upto 900 mm dia	653	M		
	From 900 mm and upto 1000 mm dia	764	M		
	From 1000 mm and upto 1200 mm dia	64	M		
	From 1200 mm and upto 1500 mm dia	1019	M		

PRE-BID QUERRIES REPLY, Karmalichak sewerage network project

Name of work		Survey, Review the designs, Redesign where necessary and build new sewerage network of about 97 Km length including Survey, Design, Consttuction of 1 No of Pumping station and all apputertances structures, and O & M of Sewerage network and pumping station			
Sr. No.	Equipment / Item	Tender Reference Document		Clarifications Required	BUIDCo's Reply
		Volume No./Dwg No./	Description/ Subject		
1	ITB section 6.5	Schedule I , Special conditions of contract Clause 5.5.1 (2) (a) and 5.5.1 (4)	The Operator shall provide a Performance Security of 10 % (Ten percent) of the total contract price, i.e. value of Design, Build, and Commissioning services	We request you to make the performance security as 5%	Bid condition prevail
2	Permissions for Crossing of road/railway networks	Section 30. Sewer crossings by Trench-less method across	All works for Road and Railway crossings by Trench less method i.e. by Pipe Ramming /Manual pipe jacking	Necessary permissions for crossings NH/SH/Railway shall be in the scope of the owner. Please clarify	It would be responsible of contractor to obtain the NOC for NH/SH/Railway crossing as per the
4	General	Soil Report		Please provide us soil report for Design of Sewage	The soil report is attached for reference

5	Rock Excavation	Bill of Quantities for Civil Works Part I - Construction	Item No 2.1 to 2.5 Earthwork Excavation in all kinds of soils	Earthwork Excavation shall be quoted in all kinds of soils and there is no rock excavation for all depths. Please clarify	The item no. 2.1 to 2.5 in the BOQ does not include rock excavation. It is envisaged that rock will
6	House Connections	Bill of Quantities for Civil Works Part I - Construction Civil Works Item No 3 House Connections	Providing House connections, Including construction of collection pits and its further joining with main sewer line with PVC pipe of 160 mm dia. Construction of collection pit 230 mm thick Brick Masonry in CM 1:4.....	Please mention the length of PVC pipe to be considered for each connection	The tentative length of PVC pipe from collection pit to Manhole will be 6 m, which is sufficient. However it is advised that bidder should quote the rate after exploring the site.

7	Relocation of utilities	Bill of Quantities for Civil Works Part I - Construction Civil Works Item No 4 Relocation of Units		Please provide list of existing utilities to be relocated. We suggest to provide a provisional sum for this particular item and pay as per actuals	The existing utilities to be shifted shall be Electric pole, electric cable, telephone cables, water supply lines ect.
8	Land for site facilities	Article 3 Building, Construction services	The Operator shall comply with all applicable safety regulations in providing the Design-Build Services and in occupying any part of the Site, Unless otherwise stated in the Design-Build Documents,..... provide secure fencing, lighting, guarding and watching; provide temporary roadways, footways, guards and fences	The Owner shall provide land for site office and other facilities free of cost nearby the sites	This is under the bidder scope. Contractor has to mobilize the required land for his site office as well as other facilities.

9	Excise duty Exemption	Clause No 3.11 Financial Section - Bid Prices	Bidders may like to ascertain availability of excise/custom duty exemption benefits available in India to the contracts financed under World Bank loan/credits. They are solely responsible for	We request to provide the ED if failure to receive ED exemption benefits against actuals	Bid condition prevail. Bidder should quote the rate inclusive of ED.
10	Sewage Pumping Station Scope (Demolition of old/existing structure)	1234_15-May-2017_3.PUMPI NG STATION SPS-A - ZONE-6, Land Identified for	Old/ Defunct Pump House is location at Kaimasikoha, Wd. No. 67, Patna City, along with Proposed IPS Site, Also New Pump House	Kindly mention exact location of Main pumping staiton of 21 MLD and also clarify is there any scope for demolishing of existing facilities? If yes kindly	There is scope of demolishing of existing 21 MLD pump house. Bidder should visit the site and assess the site condition and quote

11	Manual Screen Requirement in Sewage Pumping Station	1234_15-May-2017_3.PUMPI NG STATION SPS-A - ZONE-6, Land Identified for IPS, KarmaliChak Sewerage Scheme Project, page 1 of 2, Drawing No.- SPS-11	2 Nos. of Screen chamber & 1 Distribution Chamber indicated in Sewage Pumping Station drawing	<p>There is no reference in drawing for Manual Screen Chamber. However, manual screen is mentioned in "1234_15-May-2017_Final Bid Karmalichk Network 15.05.2017.pdf" at page 82 of 433 at section 2.3 We assume that same (manual screen chamber with screen) is required but somehow missed in drawings. Kindly confirm the requirement of the same.</p> <p>Also, Distribution Chamber is indicated in Sewage Pumping Station which is not required as the flow will be directly send to wet well. Kindly, confirm.</p>	As per CPHEEO Manual
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12	Pumps Head for Sewage Pumping Station	1234_15-May-2017_Final Bid Karmalichk Network 15.05.2017, page 82 of 433, 2 Pumping Station (Mechanical Work)		Submersible Pumps required for transfer of Sewage from SPS to STP but the head of the pumps is not mentioned. Since there is no L-section drawing covering only elevations from SPS to STP, it is not possible to calculate pumps' head. We request client to kindly provide head for required pumps and confirm the sizing (capacity) of the pump to be made as per CPHEEO Manual - CHAPTER 4. DESIGN AND	Please refer drawing Title Plan Showing Proposed Sewage Collection Network System in Patna Zone - VI (File Name 4.2 Zone-6_Rev Sewerage network layout sheet-2.pdf, uploaded on website). The node from which sewage flow to SPS-A is Z06T01M01 and the node at which the sewage is pumped from SPS-A is Z06T01M100. The
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13	DG Set Capacity	1234_15-May-2017_Final Bid Karmalichk Network 15.05.2017, page 84 of 433, 3 Pumping Station (Mechanical Work)	Diesel generating set with AMF Panel with alternator of required output capacity, 3 Phase, 415V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled multi cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 24 hours with standard accessories, self excited self regulated, screen protected alternator with static excitation	DG Set capacity is not specified. Kindly provide the capacity required in kVA or mention the percentage of total electrical load (process load + lighting load + utility load) to be considered for sizing DG Set.	This is under the Bidder scope as the design of SPS is to be done by bidder.
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14	Electrical Load for Guaranteed Electricity consumption for SPS	1234_15-May-2017_Final Bid Karmalichk Network 15.05.2017, PART C – Guaranteed Electricity Consumption for SPS, table 6, page 91 of 433		Kindly clear bidder needs to provide complete electricity load for SPS i.e. Process Load + Utility Load + Lighting Load or only process load for SPS	Yes Bidders need to provide complete electricity load i.e, process load + utility load + lighting load.
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15	Instruction to Bidder	5.5 Technical Evaluation, Page 34 of 433	The tender specifies "The Owner will carry out a detailed evaluation of the Technical Sections previously determined to be substantially responsive in order to determine on a pass/fail basis whether the technical aspects are in accordance with the requirements set forth in the Bidding Documents. "	We would request client to kindly let us know the cut off marks for determining the pass/ fail basis. Also the total marks allotted to each category so that the technical evaluation basis is understood clearly by bidder.	There is no criteria of cut off marks for determining pass & fail. The owner will carry out detailed technical evaluation of the bidders who are substantially responsive. The technical evaluation will be done as per the eligibility criteria laid down in the bid document to determine the technical eligibility of the bidder.
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16	Instruction to Bidder	3.4. Technical Section – Part II – Bid Security, Page 24 of 433	<p>The tender specifies "The bid security of a Joint Venture must define as —Bidder all the Joint Venture Partners and list them in the following manner: —a Joint Venture consisting of =.....', =.....' and =.....'."</p>	<p>Please appreciate their is a technical problem issuing BG in the name of JV as JV company registration /formation is not necessary while bidding and is an exhaustive exercise . Please allow the bid bond can be issued by either of partner in case of JV bidding which is normal practice in all municipal</p>	Bid condition prevail.
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17	GENERAL CONDITIONS OF CONTRACT ARTICLE 1. CONTRACT AND INTERPRETATION	1.1 Definations, Page139 of 433	The tender specifies ""New Sewerage Network" shall mean the new Sewerage Network at KARMALICHAK in Patna of approx 172.Km length including 04Number Sewage Pumping Station(s) of specified capacity and all appurtenant structures which shall be designed and built by the Operator as a part of the Contract."	However the name of the work mentions "SURVEY, REVIEW THE DESIGNS, REDESIGN WHERE NECESSARY AND BUILD NEW SEWERAGE NETWORK OF ABOUT 97 KM LENGTH INCLUDING SURVEY, DESIGN, CONSTRUCTION OF 01 Nos PUMPING STATION AND ALL APPURTENANT STRUCTURES, AND OPERATION & MAINTENANCE OF SEWERAGE NETWORK AND PUMPING STATION FOR A PERIOD OF 10 YEARS AT KARMALICHAK IN PATNA, STATE OF BIHAR, INDIA" Kindly confirm the scope of	The name of work is confirmed as follows: "SURVEY, REVIEW THE DESIGNS, REDESIGN WHERE NECESSARY AND BUILD NEW SEWERAGE NETWORK OF ABOUT 97 KM LENGTH INCLUDING SURVEY, DESIGN, CONSTRUCTION OF 01 Nos PUMPING STATION AND ALL APPURTENANT STRUCTURES, AND OPERATION & MAINTENANCE OF SEWERAGE NETWORK AND PUMPING STATION FOR A PERIOD OF 10 YEARS AT
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18	Schedule A – Part d & Schedule 1 Special Conditions of Contract	FORM OF PERFORMANCE SECURITY & 19. Clause 5.5.1 (2) (a) and 5.5.1 (4) – Performance Security	<p>The tender specifies "This guarantee shall expire no later than the earlier of:</p> <p>(a) six months after the End Date, as defined in the Contract;"</p> <p>&</p> <p>"The Operator shall provide a Performance Security of 10 % (Ten percent) of the total contract price, i.e. value of Design, Build, and Commissioning services plus O& M prices for 10 years' operation. (Part A Price + Part B Price of the Price Schedule "</p>	<p>The Performance Security of 10% on total contract value for almost 13 years (3 years design built + 10 years O&M) will increase the financing cost on project resulting in unnecessary increase in the project price.</p> <p>We would request client to kindly consider the following: 10% Performance security of BOQ Price (Part A) for the Design Built period will be submitted by contractor on award of the contract. The Performance Security for the Design Built period will be handed back to the contractor on</p>	Bid condition prevail.
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				We understand that in case commissioning of the plant is delayed due to non availability or partial availability of input sewage, then the Performance security for the Design Built portion should be returned within six month from the	
19	Schedule 1 Special Conditions of Contract	19. Clause 5.5.1 (2) (a) and 5.5.1 (4) – Performance Security, 198 of 433	The tender specifies that "The Operator shall provide a Performance Security of 10 % (Ten percent) of the total contract price, i.e. value of Design, Build, and Commissioning services plus O& M prices for 10 years' operation. (Part A Price + Part B Price of	The bidder are to furnish the power guarantee charges in Part C, Table -6 (Pg 91 of 433). Hence we understand that for calculation of Performance Security the value of the power charges are not to be considered. Kindly confirm our understanding is correct	Performance security shall be 10% of contract price which includes 10 years O & M. Please refer Table - 9, price for 10 years O&M of SPS A is to be derived including electricity cost.

20	Schedule 10 TECHNICAL SPECIFICATIONS FOR CONSTRUCTION AND OPERATION AND MAINTENANCE PHASE	26.3. Existing sewerage system Survey, 335 of 433	"The tender specifies" For laying of new sewers in place of damaged and unserviceable existing sewers, the earthwork excavation shall be measured including existing damaged sewers under all soils classification, the new sewer lines in place of damaged one's,	Would request client to kindly elaborate the scope of dismantling of the existing damaged manholes, i.e, the quantum of the work to be done for the above.	Please refer Addendum - 1, SI no. 1. Further it is clarified that the scope of distantaling / refubishment of existing sewerage network shall be as per the actual site condtion during execution.
21	Schedule 6 TERMS AND PROCEDURE OF PAYMENT	PAYMENT BREAK UP SCHEDULE OF CIVIL WORKS (EXECUTION), Page: 265 of 433 NOTE: THE FOLLOWING IS A TENTATIVE BREAKUP AND SHOULD BE FINALISED BY AS PER		We find that almost 10% of the payments are being made after the final testing and commissioning. This will have severe adverse effect on the cash flow for the project, hence would request the client to kindly keep the percentage for payment after final testing and commissioning upto 5% as per International Standards and followed by other Water Supply and	Bid condtion prevail.

22	Schedule 6 TERMS AND PROCEDURE OF PAYMENT	PAYMENT BREAK UP SCHEDULE OF CIVIL WORKS (EXECUTION) NOTE: THE FOLLOWING IS A TENTATIVE BREAKUP AND SHOULD BE FINALISED BY AS PER REQUIREMEN T. Page 265 of	As per tender condition for PART – I, GRAVITY SEWERS LAYING BY OPEN CUT METHOD "Dewatering where required, barricading, traffic diversion, Excavation, (excluding back filling), Timbering/Sheet piling, Bedding of pipes, Supply, laying & jointing of pipes" provides the contractor 60% of the	Since the procurement of pipes are cost intensive process, which effects the cash flow of the contractor adversely, we would request client to break up the item as follows: 1) Dewatering where required, barricading, traffic diversion, Excavation, (excluding back filling), Timbering/Sheet piling, Bedding of pipes - 5% 2) supply of the pipes - 50%	Bid condtion prevail.
23	Schedule 6 TERMS AND PROCEDURE OF PAYMENT	PAYMENT BREAK UP SCHEDULE OF CIVIL WORKS (EXECUTION) NOTE: THE FOLLOWING IS A TENTATIVE BREAKUP AND SHOULD BE FINALISED BY AS PER	As per tender condition for PART II SUPPLY & LAYING OF RISING MAIN BY OPEN CUT METHOD Supply & Laying of rising main including excavation laying jointing etc. all complete." provides the contractor 70% of the quoted price.	Since the procurement of pipes are cost intensive process, which effects the cash flow of the contractor adversely, we would request client to break up the item as follows: 1) Supply of the pipes - 65% 3) excavation laying jointing etc. of pipes - 5% Kindly provide your	Bid condition prevail.

24	Schedule 6 TERMS AND PROCEDURE OF PAYMENT	BREAK UP OF PAYMENT FOR ELECTRO MECHANICAL WORKS, Page 269 of 433		<p>Since there is no break up of the payment for supply and installation of the electro mechanical items and to ensure that the cash flow of the contractor is not effected adversely, we would request client to kindly consider the following payment terms:</p> <ol style="list-style-type: none"> 1) Payment against supply - 75% 2) Payment against installation - 10% 3) Payment to be made after testing at site - 10% 4) Amount to be paid after commissioning and three months of trial run - 5% <p>Kindly provide your</p>	Bid condition prevail.
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24	Schedule 1 Special Conditions of Contract	16. Clause 5.2 – Terms of Payment, 198 of 433		We understand that the payment will be made to the contractor within 30 days from the date of raising the invoice. Kindly confirm	Bid condition prevail.
26	Schedule A – Part h QUALIFICATION CRITERIA	1.4. Experience in Construction and Operation and Maintenance of Sewage Network, 102 and 6-7 of 433	(a) 1. It has designed, developed, built, tested and commissioned during last 7 years preceding the bid submission date (i.e. years 2010-11 to 2016- 2017), (i) at least one Sewerage Network of 50 Km Length of Sewerage Network of which 20% should be above 400 mm pipe diameter.	We request you to accept sewerage network of at least 45 km in single project. Please confirm.	Bid condition prevail.

27	Schedule A – Part h QUALIFICATION CRITERIA	1.4. Experience in Construction and Operation and Maintenance of Sewage Network, 102 and 6-7 of 433	(a) 1. It has designed, developed, built, tested and commissioned during last 7 years preceding the bid submission date (i.e. years 2010-11 to 2016-2017), (i) at least one Sewerage Network of 50 Km Length of Sewerage Network of which 20% should be above 400 mm pipe diameter.	It is understandable that you are looking for different range of pipeline dia. experience but from practical point of view we feel that the highest range of dia. used in any project may not be as much as 20% hence we request you to modify the given clause as: "It has designed, developed, built, tested and commissioned during last 7 years preceding the bid submission date (i.e. years 2010-11 to 2016-2017), (i) at least one Sewerage Network of 45 Km Length	Bid condition prevail.
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28	Schedule A – Part h QUALIFICATION CRITERIA	1.4. Experience in Construction and Operation and Maintenance of Sewage Network. Page 102 and 6-7 of 433	(a) 2. It has operated and maintained at least one Sewerage Network of 50 Km length and at least one Sewage Pumping station of minimum capacity of 11 MLD for a period of 01 year during last 07 years (i.e. years 2010-11 to 2016-2017).	We request you to allow the experience of a JV partner or nominated sub-contractor to meet the experience of O&M of the sewerage network. Please confirm.	Bid condition prevail.
29	Schedule A – Part h QUALIFICATION CRITERIA	1.5 Financial Capabilities: Page 102 of 433	c. The Bidder's audited balance sheets for the last three years shall be submitted and must demonstrate the current soundness of the Bidder's financial position and indicate its prospective long term	Kindly delineate the interpretation of the clause "prospective long-term profitability".	Please refer Addendum - 1, Sl no. - 6

30	Schedule A – Part h QUALIFICATION CRITERIA	1.5 Financial Capabilities: Page 102 of 433	b. The Bidder shall demonstrate along with the bid, a banker’s certificate on the prescribed format (given at Schedule A – Part n) that it has available cash credit facility equivalent to minimum INR 234 million or US\$ 3.4 million as on the date of submission of bid.	Getting such certificate as on date of bid from bank will not be possible hence request you to accept certificates within last 3 months of bid submission date please.	Bid condtion prevail.
31	Schedule A - Part e	Format of CV for Proposed Key Staff, Page 97 of 433		There are 2 different formats provided for CV's of proposed key personnel, one in Annexure A-Part e and another in Form (4A).	Bid condition prevail.
32	Annexure A - Part i Information Forms	Information Form (4A), 113 of 433		Filling the same data in two formats will make the work repetitive and confusing.	

33	Annexure A - Part i Information Forms	INFORMATION FORM (2) - General Design, Build, Operation and Maintenance Experience Information. INFORMATION FORM (3A) - Design, development, construction, testing and commissioning of Sewerage		We understand that the matter to be filled in Forms (2) and (3A) is same. Hence to avoid repetitive form fill up, we understand filling only Form 3A in place of both 3A and 2 for Design, development, construction, testing and commissioning experience of Sewerage Network would be acceptable. Please confirm.	Bid condition prevail.
34	General			We would request client to kindly furnish the pipe routing drawings and the details of underground utilities	This comes under the scope of Bidder.

35	Schedule 6 TERMS AND PROCEDURE OF PAYMENT	1. Mobilisation Advance: Repayment of Mobilisation advance: Page 261 of 433	The tender specifies "The Mobilization Advance paid to the Operator by the Owner shall be recovered commencing from the date on which the payment to the Operator has reached 20 % of the Value of Design, Build and Commissioning Services and shall be recovered at the rate of 15 % from each bill submitted by the Operator for payment. The entire amount of mobilization advance shall be recovered latest by the time payments up to 90 % of	we request client to kindly deduct 10% from each RA bill initiating from the first bill to recover the mobilization advance till the completion of the Design, Build and Commissioning Services . Request your concurrence on the same	Bid condtion prevail.
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36	Schedule 6 TERMS AND PROCEDURE OF PAYMENT	1. Mobilisation Advance: Repayment of Mobilisation advance;, Page 261 of 433	Advance payment as an interest free loan for mobilisation and cash flow support for an amount equal to 10 % of the Design-Build Price as stipulated in the contract shall be paid to the Operator against 'Bank Guarantee for Advance Payment' for the same amount subject to the provisions of this Contract. (i) 5% within 30 days of effective date of contract; and (ii) 5% on mobilization at the site including	Please confirm that the Client will provide the interest free mobilisation advance	Yes confirmed.
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37	Schedule 6 TERMS AND PROCEDURE OF PAYMENT	PAYMENT BREAK UP SCHEDULE OF CIVIL WORKS (EXECUTION) NOTE: THE FOLLOWING IS A TENTATIVE BREAKUP AND SHOULD BE FINALISED BY AS PER REQUIREMEN T, Page 265 of 433		PART – I, GRAVITY SEWERS LAYING BY OPEN CUT METHOD Since this is a item rate contract where item for supply and laying of pipe, manholes, Timbering/Sheet piling are separate. Hence for items of supply of pipes in pg 66 of 433, Item no 2.11 and 2.12 the payment terms should be made as follows. 1) Approval of Design & Drawing - 2% 2) Supply of Pipes - 60% 3) laying & jointing of pipes 20% 4) Back filling, disposal of surplus earth and Temporary reinstatement of roads - 5%	Bid condtion prevail.
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38	Section 3. Preparation of Bids	3.11. Financial Section – Bid Prices Clause d, Notes., Page 28 of 433	Tender specifies "Bidders may like to ascertain availability of excise/custom duty exemption benefits available in India to the contracts financed under World Bank loan/credits. They are solely responsible for obtaining such benefits	We request customer to make it clear if there will be any custom/ excise duty exemption is available for the tender or not. This is essential to bring all the bidders at per and to avoid any dispute/ confusion in future. Also this is required for having parity in evaluation.	Bid condition prevail. Rate should be inclusive of ED.
39	SEWERAGE NETWORK TABLE 3 – BILL OF QUANTITIES OF CIVIL WORKS Part-1 Construction Civil Works	SI No 2.6, Page 64 of 433		The item gives option for fine /coarse granular / mooram material such as ballast/ gravel / stone chips / sand. Please confirm the grading in case stone chip is used and fineness modulus in case sand is used.	Good quality of local sar

40	SEWERAGE NETWORK TABLE 3 – BILL OF QUANTITIES OF CIVIL WORKS Part-1 Construction Civil Works	SI No 2.16 Depth of Manhole, 68 and 69 of 433		SI no 2.16 mentions the depth as "beyond 0.91m but less than 1.67 m". Does it mean that depth for SI No 2.15 is 0.9 m? Please confirm since the depth is not mention for SI No 2.15 Similarly in Page 69, 70 and 71, the depth of manholes for SI No 2.17, 2.19 and 2.21 are not mentioned but from SI No 2.18 and 2.20	Dimensions are mentioned in BOQ
41	SEWERAGE NETWORK TABLE 3 – BILL OF QUANTITIES OF CIVIL WORKS Part-1 Construction Civil Works	SI No 3, 75 of 433	The item mentions "100 mm thick coping around property chamber walls in M-20 concrete".	This description is not clear to us. Kindly elaborate and furnish a typical sketch, if possible.	Please refer the attached drawing. Standard drawing STD 21,22

42	Table No. 4A FOR ELECTRICAL AND MECHANICALS WORKS OF SPS A (Zone-VI)	81 and other pages of 433		Since this is an item rate tender we request you to quantify some of the electrical and instrumentation items like cabling, earthing, cable trays etc, which are all	This is an item rate tender only for sewerage network. For sewage pumping station, the bidder has to do detailed survey, soil investigation,
43	Table No. 4A FOR ELECTRICAL AND MECHANICALS WORKS OF SPS A (Zone-VI)	SI No 3 DG Set for Power Back-up., 84 of 433		Please furnish the capacity of the DG Set	Bidder has to assess the capacity of DG set.

44	PART B – Annual O&M Prices with NPV	Notes : Point no 3, 90 of 433	The tender specifies "The Bidder shall provide along with the price schedule a separate table giving details of taxes, duties, levies and other applicable taxes considered by him and included in the prices offered under Part A & Part B. Service Tax shall not be included in the prices and the same shall be paid separately by the Owner, if applicable, against proof of applicability and payment."	We are not clear about what kind of Taxes, duties , levies etc to be provided. We would request client to kindly issue a suitable schedule which the bidders would fill in.	Bid condition will prevail
45	Summary of O & M Price Table 7	Quoted Bid Price for 10 Years O&M Column no 4,. 92 of 433	The tender specifies "Total Price (2+3+4)"	We feel it should be Total Price (2+3). Please confirm that our understanding is correct	Please refer Addendum - 1, SI no. 2.
	Preparation of Bids	3.4 –b , 24 of			

46		433	It is mentioned that “Bid security shall be in the form of bank guarantee from a reputable bank or Insurance company selected by the bidder”	We understand that the Bank guarantee issued from any Nationalized / Scheduled bank shall be considered.	Yes confirmed.
47	ITB	ITB 6.5, 47 of 433	It is mentioned that, “the operator shall provide a Performance security of 10% of the total contract price i.e. Design Build price plus total O&M price for the O&M period of 10 years”.	Since the huge amount of money is blocked for a quite long period and it will give major impact in cash flow. Kindly request you to consider the performance security in two stages (i.e. Design build period and O&M	Bid condition prevail.
48	Annexure A – Part j	116 of 433		In the declaration regarding customs/excise duty exemption for materials please clarify whether the	Bid condition prevail. Rate should be inclusive of ED.
49	Price Bid	76 of 433	Installation of product pipe by Guided Auger Boring method including making of entry and exit pitsexcept the cost of the pipe (up to 100 meter of installation length)	Kindly include the BOQ item for the cost of the pipe	Please refer Addendum - 1. Sr no. 3 Supply of Pipe to be used in Trenchless work has been added in the BOQ as sl. No. 6.3 as addendum. Bidder to quote the rate and submit along with the price bid.

50	Power of Attorney			Kindly include form of Power of Attorney for individual firms	There is no specific format for POA for individual firms
51	General			Please provide the drawings/details of existing utilities which will enable us to do proper estimate for the	This is under the Bidder scope. Bidder should do the site exploration
52	Cement			We presume that OPC shall be used for all works except Water Retaining Structures.	The cement shall be sulphate resistant cement Grade 43 for water retaining
53	Technical Specifications	40.1& 40.2, 395 of 433		Minimum cement consumption for RCC M20 shall be considered as 350 kg/cum and for RCC M25 shall be 380 kg/cum in 40.1 whereas in 40.2 minimum	The minimum cement consumption shall be as per IS-456 and Mix Design
54	General			Kindly Specify the requirement of Grit Chamber at SPS	Grit chamber represent here as screening
55	General			We request the Employer to provide suitable monetary compensation in case of delay in handing over of Right of Way, Approvals and clearances and Shifting of Utilities by the Employer, in addition to Time extension, as any delay in terms of time	Shifting of utilities comes under the scope of contractor. - Modification in any clause will not be allowed by signing of contract.

56	PQ Criteria	1.4, 102 of 433	Clause mentioned that the bidder experience in construction and operation and maintenance shall be considered during last 7 years preceding the bid submission date (i.e years 2010-11 to 2016-2017)	We request you to consider the bidder experience during last 10 years preceding the bid submission date (i.e years 2007-08 to 2016-2017) for qualification. Please accept.	Bid condition prevail
57	General		Kindly confirm the details of interconnections with the existing Sewer Network		In present scope of work, the interconnection of existing sewers in new
58	Information form Financial capabilities	Section A-Part I, Information Forms, 112&114	Same Form Number (Information Form (4)) has given for personal capabilities and financial capabilities information forms	Request you to change the same	Bid condition prevail
59	Bill of Quantities of Civil Works	Table 3 S.No 2.13, 67 of 433		Quantity of Encasing has been provided in BOQ. Please clarify the locations/depth where these will be used.	Please refer the standard drawing : Typical drawing for different classes of
60	Bill of Quantities of Civil Works	Table 3 S.No 2.15,2.17,2.19 & 2.21, Pages 68,69 & 70 of 433 and 287 of		GRP/ FRP (Heavy Duty) type manhole cover has been mentioned in BOQ whereas heavy duty circular steel fibre reinforced concrete (SFRC) manhole frame and covers	Please refer Addendum - 1, SI No.4 SFRC Manhole Frame and covers shall be used.

61	Drop Manhole	Table 3 S.No 2.22 , 71 of 433		Sand Cast Iron drop connection has been mentioned in BOQ whereas the HDPE PE 100 PN6 are specified in Section no. 25.4	Please refer Addendum - 1, SI No. 5, 200 MM HDPE PE 100 PNB drop connection.
62	Bill of Quantities of Civil Works	Table 3 S.No 3.0, 75 of 433		House Connection of 160 mm PVC has been provided in BOQ whereas 110 mm PVC 6 ksc or 160 mm PVC 6 ksc are specified in Section no. 25.2 Page 326 of 413	160 mm PVC pipe to be used in the House connection work.
63	Rising main Material	Table 3 S.No C-1 , 78 & 77 of 433		DI-K9 pipe material has been mentioned in BOQ for rising main whereas DI-K7 is provided in Section no. 22.1	DI - K9 pipe material as mentioned in BOQ to be used. The
64	Mechanical screen	Table no 4A, SI no 2.2, Page 81 of 433		In general Angle of inclination for mechanical screen will be in the range of 60 to 75 degree, however in the BOQ it is mentioned as	Angle of Inclination for the mechanical screen will be as per the CPHEEO manual.
65	General			Request to consider DWC (Double wall corrugated) pipe upto 300 mm diameter instead of RCC pipe. Which will be easy in handling and suitable for narrow streets	Bid condition prevail.
	General			Please provide the following drawing	

66				1. Location drawing for sewer network constructed by Trenchless technology	Please refer the attached drawing(Uploaded in BUIDCo's website Trenchless Technology Karmalichak Zone
				2. Existing Sewer Network Drawing	Please refer the attached drawing(Uploaded in BUIDCo's website as Lay out Drawings -
67	General			Please provide the details of Existing Sewer pipe such as material, diameters and location	Existing sewer network is of 600 mm - 1.3 Km length.
68	General			Please provide soil investigation data as the sewer line to be laid upto	This comes under the scope of bidder
69	General			The total scope of Network is mentioned is as 97 Km. Kindly confirm whether the length of network mentioned is excluding length of existing	The total sewer network to be laid is 97 KM. The total length 97 Km includes the sewer
70	General			Please provide the detailed specification for Pumping Station Mechanical equipment	Please refer to Section 50: Section IV Electro Mechanical Works for details specifications for mechanical works. As per the requirements relevant

71	General			Please provide the following details of SPS (Zone VI)	The indicative information are as follows subject to change during re-design by bidder i) Flow of 2047 - 0.4495 Cumes ii) Full Discharge - 0.535 lps iii) Ground Level From Node - 51.26 To Node - 51.13
				a. Intermittent Average flow and peak flow	
				b. Ultimate Average flow and peak flow	
				c. Capacity and number of pumps at SPS	
				d. Incoming invert level & pipe diameter	
				e. Existing Ground Level at SPS	
72	General			Please provide the high flood level to be considered for SPS area for flood protection	HFL for Ganga river is 51.51 M, but SPS to be designed as per site condition and road height in the area.
73	General			Please provided the location of overflow disposal from SPS (VI) and also length of overflow pipe from SPS (Zone VI) Location to	Such provision is generally not required but can be reviewed during detailed
74	General			Rising main – Please provide the L-Section of rising main from SPS. This detail is required to calculate the	L- section drawing is uploaded in the website.
75	General			Please provide the tentative length of existing sewer to be refurbished or replaced	The length of existing network is 1.3 km,

76	General			We understand that the vent shaft has to be provided for sewer system. However the same is not included in BOQ. Please confirm	It was not envisaged and hence not included in the BOQ. If it is felt required in design check by bidder, the
77	Technical Specification	Section no. 26.1, 26.1.1 & 26.1.2, 333 of 433		For House connection pipe connecting directly to the Sewer (i.e. online connection) GSW pipes and specials are mentioned. However same is not included in BOQ kindly	In house connection, a chamber near the property line with connection pipe to the nearest manhole is to be provided by the
78	Part A bill of quantities for Electromechanical works	Table 4 A (1.1), 80 of 433		As per mentioned clause	
				"Main power supply connection from the nearest BSEB source to SPS premises i/c Poles, cables, HT jointing Kit and all associated works as per	11 KV line shall be made available in the campus of SPS/ MPS by the client.
				a) Please furnish the distance between nearest BSEB (available Voltage level, Single incomer) source to each proposed SPS.	Bidder to assess at the site
				b) We understood that the HT metering panel is not in the scope of Bidder. Kindly	It will be in the scope of bidder
79	Incoming Power supply			We presume that, single incomer 415V supply shall be considered if load requirement for SPS is less than 100kVA.	Single incomer for 414 V can be considered if load requirement of SPS is less than 100

19				a) Please furnish the distance between available 415V LT power supply and each proposed SPS. Kindly confirm.	Bidder to assess the distance at site
80	Part A bill of quantities for Electromechanical works	Table 4 A (1.21), 80 of 433	As per mentioned clause		
			“Transformer of required capacity including H.T. panels- (incoming & Outgoing) with all associated works as per Technical specifications and		
				• We presumed that there is no requirement of standby Transformer and Transformer rating shall be based on load	Yes confirmed.
				• Type of Transformer is oil immersed (ONAN).	Type of Transformer shall be oil immersed
			Kindly confirm the same.		
81	Section 49	49.3 Illumination, 411 of 433	As per mentioned clause		
			“Transformer area lux level is 100”	• We presumed that the transformer is outdoor installation and average illumination lux level for transformer area is 20 lux”. Please confirm the same	Lux level should be as per good engineering practise.
	Part A bill of quantities for	Table 4 A (1.32), 80 of	As per mentioned clause		

82	Electromechanical works	433	“ Main L.T. Panel including incoming Panel, bus coupler, APFC Panel Load Distribution Panel and all associated accessories. “	• We presume that the power factor to be maintained is 0.95 for the system. Kindly confirm the same.	As per relevant IS codes
81	General			Please furnish the selection of motor starter.	Motor starter specification shall be as per the relevant IS-code.
82	General			Please provide the detailed specification for LT & HT panel.	As per relevant IS codes and good engineering practise
83	General			Please furnish the fault level & duration of the fault at HT side (11 KV) & at LT side (415 V).	As per relevant standard
84	Part A bill of quantities for Electromechanical works	Table 4 A (1.32), 80 of 433	As per mentioned clause		
			“30 V DC Battery consisting of requisite number of dry maintenance free battery of 180 AH capacity complete with battery racks, battery charger, controls distribution and all other accessories housed in a common floor mounted enclosed	• We presume that DC Battery and battery charger is required for DC Control supply for HT Panel. We are considering inbuilt battery power pack for HT panel control supply. Hence separate battery charger is not required. Kindly confirm the same	Bidder has to assess the requirement and get approval from the Engineer In Charge

85	Section 50	415 of 433		We understand that Standalone PLC & SCADA Automation shall be provided for Control and Monitoring of Pumps and other parameters. Kindly Confirm.	The provision of SCADA shall be done
86	General			As per the tender, technical specifications for PLC/SCADA systems for SPS are not specified. Thus designer's standard specification shall be	As per relevant IS codes

rd shall be used.

**Bihar Urban Infrastructure Development Corporation Ltd.,
Patna**

**NATIONAL GANGA RIVER BASIN PROJECT
(WORLD BANK FUNDED)**

Corrigendum – 1 to IFB

(For IFB No.:- IN-NMCG-3045-CW-RFB , 09.05.2017)
PR No.- 1513(Ni.Ni) 17-18, Dated- 09.05.2017

Survey, review the designs, redesign where necessary and build new sewerage network of about 97 km length including survey, design, construction of 01 No. pumping stations and all appurtenant structures, and operate & maintain of sewerage network and pumping stations for a period of 10 years at Karmalichak in patna, State of Bihar, India.

The dates related to the bids should be read as below:

ITB 4.2, ITB-5.1	Dates
Last date for issue of bidding documents (3.00 PM)	09.08.2017
Last Date for Submission of Bids (3.00PM)	10.08.2017
Date for opening of bids (3.30PM)	10.08.2017

The other terms and conditions will remain the same. For further details, interested bidders may please refer to the bidding documents available on the website www.buidco.in.

Sd/-
(Managing Director)
BUIDCO, Patna

SFC Building, 2nd Floor, Daroga Rai Path
Road No-2, R-Block, Patna-800001