

**OFFICE OF EXECUTIVE ENGINEER (C) DR-III
DELHI JAL BOARD, GOVT OF NCT DELHI
KANHAIYA NAGAR, NEW DELHI-110035
PH:-011-27394876**

No. F (86)/DJB/EE(C) DR-III/2017/
To,

DATED: 03.02.2017

All prospective bidders

CORRIGENDUM NO-1

**SUBJECT:- ID-P215: JICA Assisted Yamuna Action Plan Project (III). (R1a)
Rehabilitation of sewers of sizes varying from 600 mm to 1400 mm dia in Ashok
Vihar and Jahangir Puri Area by standalone structural lining method under YAP
(III).**

REFERENCE:- NIT No.02 dated 16-12-2016

The last date of submission and opening of bids for the subject work which was 07-02-2017 is hereby extended as under:-

1. Bids submission on or before **3.00 P.M. on 20-02-2017**.
2. Bids opening at **3.10 P.M. on 20-02-2017**.

(DALBIR SINGH)
Executive Engineer(C)DR-III
(E-mail:-dalbir.singh69@nic.in)



DELHI JAL BOARD (DJB)

Package R1a:

Rehabilitation of Sewer of Sizes varying from 600 mm to 1400 mm dia. in Ashok Vihar and Jahangirpuri area by Standalone Structural Lining Method under YAP-III

NIT No.02 (2016-17)

Corrigendum & Addendum No 2 to Bid Document

and

Replies to Pre-bid Queries

(Pre-bid Meeting Dated 06.01.2017)

Corrigendum & Addendum No. 2

Package R1a: Rehabilitation of Sewer of Sizes varying from 600 mm to 1400 mm dia. in Ashok Vihar and Jahangirpuri area by Standalone Structural Lining Method under YAP-III

S. No.	Clause Reference	Corrigendum & Addendum
1	<p>Volume 2; General Design Requirements, Clause 11.5 (k), Page no. 275 & General Design Requirements, Clause 11.9.2.15 (k), Page no. 297</p>	<p>Clause 11.5 General Design Requirements (k): Existing sentence under clause 11.5(k), “The design, manufacturing..... and delivery”, stands “Deleted” The revised sentence is as under: “The Design, manufacturing and delivery of the liner shall comply with ISO 9001:2008 for production and delivery. Bidders are required to provide a copy of ISO 9001:2008 certification of the manufacturer” 11.9.2.15 General Design Requirements (k): Existing sentence under clause 11.5(k), “The design, manufacturing and delivery”, stands “Deleted” The revised sentence is as under: “The Design, manufacturing and delivery of the liner shall comply with ISO 9001:2008 for production and delivery. Bidders are required to provide a copy of ISO 9001:2008 certification of the manufacturer”</p>
2	<p>Volume 2; General Design Requirements, Clause 11.9.2.12; Quality Assurance, Page no. 296</p>	<p>Clause 11.9.2.12: Existing 1st para under clause 11.9.2.12, “In strict accord withacceptable to The Engineer.” stands “Deleted” The revised 1st para is as under: “In strict accord with the requirements of WIS 4-34-02 all GRP materials shall be manufactured under a suitable 3rd Party ISO 9001:2008 Accredited quality assurance scheme acceptable to The Engineer.”</p>
3	<p>Volume-3; Bills of Quantities; Bill No. 2; Item No. 206; Page 439</p>	<p>Add the following Note at the end of the existing Table of Item No. 206: Note: Bidder has to select only one technology out of the three for total length of one line segment (starting to termination point) and accordingly rates shall be quoted for all diameters in that line segment in the item 206 under option either (a) or (b) or (c).</p>

Reply to Queries for Clarification- Pre Bid Meeting Dated 06th January, 2017 Package R1a: Rehabilitation of Sewer of Sizes varying from 600 mm to 1400 mm dia. in Ashok Vihar and Jahangirpuri area by Standalone Structural Lining Method under YAP-III

Sr. No.	Clause Reference	Condition As Per Bid Document	Bidders Queries	Reply
1.	Volume-3, Schedule of Payment and Prices, Page no 439, Item No 206	Bidder has to quote the price for all three rehabilitation technology i.e. CIPP, GRP, MWSL	Kindly clarify how the lowest bidder will be decided, whether it is based on only total bid price considering different technology liner price or any waitage are fixed for technology wise.	Refer Corrigendum & Addendum no. 1 at S. No.3.
2.	Volume-3, Schedule of Payment and Prices, Page no 439, Item No 206	Bidder has to quote the price for rehabilitation by GRP technology for Non-Man Entry Sewer Size 800-900 mm dia. also.	As you may aware that Sewer Rehabilitation by GRP Technology is applicable for Man Entry Sewer only. Hence it is requested to clarify how bidder will quote the rate for Non-Man Entry sewer size for GRP technology. In such case how the lowest bidder will be decided.	Query is not relevant as no such condition is available in bid document
3.	Volume-3, Schedule of Payment and Prices, Page no 448, BOQ Item No 206, Mode of Payment	The payment against this item shall be released on successful completion of rehabilitation of all MH/Chamber falling in this stretch including u/s and d/s MHs/Chamber	As you may aware that cost of lining activities is too high compared to the cost of other activities and holding of payment due to MH/chamber repair will disturb the cash flow of contractor. Hence it is requested to pay the lining item just after completion of post CCTV after lining.	As stipulated in bid document.
4.	Volume-2, Technical Specification, Page no 276, Clause no 11.9.1, CIPP Liner	The structural design technique shall follow the design guidelines given in ASTM F1216-03	We request your good selves kindly modify it to the current available ASTM F1216 instead of specifically 2003.	As stipulated in bid document.

5.	Volume-2, Technical Specification Page no 308, Clause no 11.9.2.41, Grout Mix	The grout shall be a mixture of sulphate resistant cement and water.	This specification is useful- for type-I liner whereas in this contract only type-II liner is to be used which is self-sustained to take all. loads and annulus gap is being filled as filler materials by mixer of OPC 43 grade cement and fly ash in the ration. 1:3 with water cement ratio 0.4 -0.5. This grout mix doesn't have any structural requirement. Hence it is requested to modify the clause accordingly. Other point related to type of cement, as it is well known that very few manufacturers are manufacturing sulphate resistant cement and it is useful in highly corrosion area like sea coast. Hence it is requested to allow contractor to use normal OPC 43 grade cement for grouting as well as for MH repair purposes.	As stipulated in bid document. Use of Mix of Sulphate resistant Cement and fly ash with water as per WRc, SRM Vol II Chapter 8.
6	Volume-1, Part-A, Section-VIII: Particular Conditions(PC); Page no 153, Clause no 4.19 Electricity, Water and Gas	The quality of water shall be got tested as per BIS by the contractor at his own cost of at the employer's own laboratory quarterly. Permission for extracting ground water shall be obtained from concerned authority by the contractor. Wherever the employer's water is made available to the contractor for construction and drinking purpose recovery @ 1% of the gross amount of civil work done shall be made.	As you may aware that extracting of ground water is not allowed in Delhi region. Hence it is requested that kindly allow the contractor to use water from any other source and the same shall be tested from any reputed laboratory on yearly basis or whenever change the source instead of employer's own laboratory on quarterly basis. Kindly also remove the recovery of 1% from contractor bills.	As stipulated in bid document. Refer clause 3.3 (b); Volume-2; Part-3.
7.	Volume-1, Part-B, Section-III Evaluation and Qualification Criteria; Page no 184, Clause no 4 Experience	General Construction Experience 4.1: Construction and / or Rehabilitation Experience a) Gravity Sewers of 1000 mm dia.	We presume that required experiences for qualification is a combination of more than one project. Kindly clarify.	Length out of only one project/contract of stipulated size shall be considered for evaluation in construction experience criteria.

		<p>or above for minimum length of 4.0 KM.or Gravity Sewers of 800 mm dia or above for minimum length of 5.0 KMor Gravity Sewers of 600 mm dia or above for minimum length of 6.0 KM</p> <p>Specific Construction Experience 4.2: Trenchless Rehabilitation experience by type-II liner: Gravity Sewers of 1000 mm dia. or above for minimum length of 4.0 KM under sub soil conditions.</p>		
8.	Volume-1, Part-B, Section-III: Evaluation and Qualification Criteria; Page no 184-185, Clause no 4 Experience	Specific.Construction Experience 4.2 (b): Rehabilitation experience by Micro-tunneling and Pipe Jacking method: Gravity Sewers of 600 mm dia. or above for minimum length of 0.5 KM or more.	As per BOQ it is notice that scope of work of micro-tunneling or pipe jacking is very small. Hence it is requested that kindly allow bidder to submit experience of specialized sub-contractor for qualification with commitment to execute the work as per contractual requirement in a predefined format provided by employer.	As stipulated in bid document.
9.	Volume-2, Technical Specifications;Page no 414, Clause no 17.4 Design Procedure and design calculation for the proposed standalone structural liner	The bidder shall supply full details of their design calculations, including checking and review of the calculation duly signed and stamped by a qualified professional / institution who is familiar with design procedure adopted in relevant ASTM's and WRc manual or any other international standards / guidelines.	At the time of execution of project, contractor has to get approved liner design from employer and overall it is a responsibility of contractor to satisfy the design parameters stipulated in contract. Certification of design by qualified professional at the time submission of bid may not be relevant. Hence it is requested that kindly remove this specific requirement.	As stipulated in bid document.
10.	-	Silt dumping ground	We presume that employer will provide silt dumping area as far as nearer to the site i.e within 10 KM or kindly specify the distance from site to silt dumping ground.	As stipulated in bid document.

11.	-	Restriction on running of Diesel Generator Set by NGT	As you may aware that recently NGT has restricted to use DG set for the construction activity and it is also well known that taking a temporary electricity connection is not feasible due to spreading of site working area in 7-8 KM. In such situation it is requested that DJB shall take special permission project wise from relevant department to use DG set for execution of work.	As stipulated in bid document. Refer clause 3.3 (a); Volume-2; Part-3.
12.	Vol. 2, Technical Specifications, Clause No 11.9.1.5.1 — the Tube; Page 280	The sewn tubeshallconsist of one or more layers of absorbent non- woven felt fabric.	As per clause no 11.3, Lining system should be CIPP equivalent standalone Type 11 structural liner. Accordingly, may we understand that widely proven tube material consisting of glass reinforced fabric (with curing by UV rays) having better properties than non-woven felt fabric may also be proposed, if substantiated by approved third-party test reports and other data as required in technical specifications?	As stipulated in bid document.
13.	Vol 2, Technical Specifications, Clause No 11.9.2.2 — Type of Lining •Systems; Page 292	GRP linings shall be used for all man entry size circular sewers.	GRP lining has been proven to work in non-man entry sewer diameters as well, with jointing done in the manhole itself, as long as it can fulfill other requirements like 12.5% cross-section reduction, etc. Moreover, in Table 17.7, suggested liner thickness for GRP liners in Volume 2, thicknesses are provided for 600 and 900mm sizes as-well. Accordingly, may we understand that GRP lining system may be used for non-man entry sizes less than 1000mm as well, if meeting all required technical specifications?	As stipulated in bid document.

14.	Volume —1, Specific Construction Experience 4.2 (a) & (b); Page 184 & 185	Form EXP - 2(b): Experience in Key Activities and Form EXP - 4.2-Specific Construction Experience	There are two different forms for experience - Form EXP - 2(b): Experience in Key Activities (Page 55 of Volume 1) and Form EXP - 4.2-Specific Construction Experience (Page 1.98 of Volume 1). May we understand form exp.2 (b) is given by mistake and only form 4.1 and 4.2 need to be submitted with the bid?	As stipulated in bid document.
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