



1ST Corrigendum/Addendum dated 20/10/2020 to RFB Reference No. : WBIW/PD/WBMIFMP/NCB/2020-21/IRR-02

Dated 30/09/2020

(Tender ID : 2020_IWD_298639_1, 2020_IWD_298639_2, 2020_IWD_298639_3)

In connection with the REQUEST FOR BIDS (RFB) E-Procurement Notice communicated vide RFB Reference No:

WBIW/PD/WBMIFMP/NCB/20-21/IRR2 Dated: **30/09/2020**, the following corrections are made due to some unavoidable circumstances:

Sl. No	Page No.	Reference	In place of	To be read as /Instruction to be followed
(1)	(2)	(3)	(4)	(5)

1	52 & 53 of the RFB	Col.3 in the Table against the Row with No. 4.2(a)	i) A minimum number of [One] ⁶ similar contracts specified below that have been	I. A minimum number of [One] ⁶ similar contracts specified below that have been satisfactorily and substantially ⁷ completed as a prime contractor, joint venture
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⁶ Bidders should have completed at least one contract for similar work of value not less than 80% of the estimated contract value of the work for which bids are invited, during the last five years. Cost of completed works of previous years shall be given weightage @5% per year based on rupees value to bring them to the price level of the financial year in which bids are received, as follows

Financial Year	Weightage
Current	1.0
2019-20	1.05
2018-19	1.10
2017-18	1.15
2016-17	1.20
2015-16	1.25

		<p>regarding Specific Construction & Contract Management Experience</p>	<p>satisfactorily and substantially⁷ completed as a prime contractor, joint venture member⁸, management contractor or subcontractor⁹ between 1st April 2015 and bid submission deadline:</p> <p>(i) Lot – 1: One contract, of minimum value (INR 29.85 Cr);</p> <p>(ii) Lot – 2: One contract, of minimum value (INR 26.81 Cr);</p> <p>(iii) Lot - 3: One contract, of minimum value (INR 47.54 Cr);</p> <p>The similarity of the contracts shall be based on the following: Based on Section VII, Scope of Works, specify the minimum key requirements in terms of physical size, complexity, construction method, technology and/or other characteristics including part of the requirements that may be met by specialized subcontractors, if permitted in accordance with ITB 33.2</p>	<p>member⁸, management contractor or subcontractor⁹ between 1st April 2015 and bid submission deadline and fulfilling the criteria stated below Lot wise:</p> <p>(i) Lot – 1: One contract, of minimum value (INR 29.85 Cr), with ;</p> <p>(ii) Lot – 2: One contract, of minimum value (INR 26.81 Cr);</p> <p>(iii) Lot - 3: One contract, of minimum value (INR 47.54 Cr);</p> <p>II. The similarity of the contract stated at I. above, shall be based on the physical size as stated below in the Subclause 4.2 (b):</p>
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⁷ Substantial completion shall be based on 80% or more works completed under the contract

⁸ For contracts under which the Bidder participated as a joint venture member or sub-contractor, only the Bidder's share, by value, shall be considered to meet this requirement

⁹ For contracts under which the Bidder participated as a joint venture member or sub-contractor, only the Bidder's share, by value, shall be considered to meet this requirement

2	53 to 55 of the RFB	Col.3 in the Table against the Row with No. 4.2(b)	<p>For the above and any other contracts (substantially completed and under implementation), as prime contractor, joint venture member, or sub-contractor between 1st April 2015 and Application submission deadline, a minimum construction experience in the following key activities successfully completed¹¹:</p> <p>(i) Lot – 1: Ordinary /Standard concrete (M20 and above) minimum 18012.00 cum & Any type of earthwork minimum 545000.00 cum in One contract.</p> <p>(ii) Lot – 2: Ordinary /Standard concrete (M20 and above) minimum 15963.00 cum & Any type of earthwork minimum 578000.00 cum in One contract</p> <p>(iii) Lot – 3: Ordinary /Standard concrete (M20 and above) minimum 26443.00 cum & Any type of earthwork minimum 1079000.00 cum in One contract</p> <p>Note: For all the 3 cases stated above,</p>	<p>For the above contract stated at 4.2(a) above and any other contract(s) (substantially completed and under implementation), as prime contractor, joint venture member, or sub-contractor between 1st April 2015 and Application submission deadline, a minimum construction experience required in the following key activities successfully completed¹⁰:</p> <p>(i) Lot – 1: Ordinary /Standard concrete (M20 and above) minimum 18012.00 cum and also any type of earthwork, minimum 545000.00 cum, in the contract cited at 4.2 (a) above and also other similar contract(s) executed during the same period, subject to the following provisions:</p> <p>(a) There may be separate sets of contracts for demonstrating the quantities of earthwork and concrete work, in case required quantities of both the items cannot be fulfilled in any particular contract (s).</p> <p>(b) Each of such contracts should have the minimum executed quantities of either ordinary /standard concrete (M20 and above) or the earthwork, or even both the items, at least 30 % of the threshold specified for the respective items for the Lot in the particular contract at 4.2(a) above.</p> <p>(ii) Lot – 2: Ordinary /Standard concrete (M20 and above) minimum 15963.00 cum & any type of earthwork minimum 578000.00 cum, in the contract cited at 4.2 (a) and also other similar contract(s) executed during the same period, subject to the following provisions:</p> <p>(a) There may be separate sets of contracts for earthwork and concrete and</p> <p>(b) Each of such contracts has the minimum executed quantities of either Ordinary /Standard concrete (M20 and above) or the earthwork, or even both the items, at least 30 % of the threshold specified for the respective items for the Lot in the particular contract at 4.2(a) above.</p> <p>(iii) Lot – 3: Ordinary /Standard concrete (M20 and above) minimum 26443.00 cum & any type of earthwork minimum 1079000.00 cum, in the contract cited at 4.2 (a) and also other similar contract(s) executed during the same period, subject to the following provisions</p> <p>(a) There may be separate sets of contracts for earthwork and concrete and</p> <p>(b) Each of such contracts has the minimum executed quantities of either Ordinary /Standard concrete (M20 and above) or the earthwork, or even both the items, at least 30 % as per the threshold specified for the Lot in the particular contract at 4.2(a) above.</p> <p>Note:</p>
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¹¹ Volume, number or rate of production of any key activity can be demonstrated in one or more contracts combined if executed during same time period.

			<p>(i) Standard /Ordinary concrete as specified in IS 456:2000</p> <p>(ii) Nominal mix ordinary concrete executed with mix proportion of cement, sand and coarse aggregate by volume not leaner than 1:1.5:3, should be considered as equivalent to M 20, if the grade is not explicitly mentioned in the specific construction experience.</p> <p>Under 4.2(a), specified requirements define similarity of contracts, whereas the key activities to be specified under 4.2 (b) define the required capability of the Applicant to execute the Works. There shall not be any inconsistency or repetition of requirement between 4.2(a) and 4.2(b).</p>	<p>I. For all the 3 cases, i.e. (i), (ii) & (iii), stated above,</p> <p>(i) Standard /Ordinary concrete as specified in IS 456:2000</p> <p>(ii) Nominal mix ordinary concrete executed with mix proportion of cement, sand and coarse aggregate by volume not leaner than 1:1.5:3, should be considered as equivalent to M 20, if the grade is not explicitly mentioned in the specific construction experience.</p> <p>II. Under 4.2(a), specified requirements define similarity of contracts, whereas the key activities to be specified under 4.2 (b) define the required capability of the Applicant to execute the Works. There shall not be any inconsistency or repetition of requirement between 4.2(a) and 4.2(b).</p>
3	97 & 98 of the RFB	Appendix to Technical Part Form EXP - 4.2(b):	<i>Form EXP - 4.2(b)</i>	. The Form EXP 4.2(b) is amended in case more than one contract is cited as credential and is attached below as EXP 4.2(b)-Mod, which is to be submitted by the Bidder separately for each of the contracts, <i>including</i> that cited at EXP 4.2(a). above”.

Appendix to Technical Part Form EXP - 4.2(b)-Mod:

Construction Experience in Key Activities

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

Subcontractor's Name²¹ (as per ITB 33.2 and 33.3): _____

RFB No. and title: _____

Page _____ of _____ pages

Subcontractor's Name (as per ITB 33.2 and 33.3): _____

All subcontractors for key activities must complete the information in this form as per ITB 33.2 and 33.3 and Section III, Qualification Criteria and Requirements, Sub-Factor 4.2.

Key Activity: (i) Any type of earthwork.

	Information			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor <input type="checkbox"/>	Member in JV <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Sub- contractor <input type="checkbox"/>
Total Contract Amount			Rs	

²¹ If applicable.

Quantity (Volume in each of the contracts <i>including</i> that cited in EXP 4.2(a)), performed under the contract per year or part of the year in the last 5 years, including the current Financial year. <i>Use this format separately for each of the contracts.</i>	Total quantity in the contract (i)	Percentage participation (ii)	Actual Quantity Performed (i) x (ii)
Current Year			
Year 1			
Year 2			
Year 3			
Year 4			
Year 5			
Employer's Name ²² :			
Address: Telephone/fax number E-mail:			

²². Attach certificate from the Engineer-in-charge

4	99 & 100 of the RFB	Appendix to Technical Part Form EXP - 4.2(b):	Form EXP - 4.2(b)	<i>The Form EXP4.2(b) is amended and attached below as EXP 4.2(b)-Mod, as mentioned in SI no 3 above.</i>
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**Appendix to Technical Part Form EXP - 4.2(b)-Mod:
Construction Experience in Key Activities**

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

Subcontractor's Name²³ (as per ITB 33.2 and 33.3): _____

RFB No. and title: _____

Page _____ of _____ pages

Subcontractor's Name (as per ITB 33.2 and 33.3): _____

All subcontractors for key activities must complete the information in this form as per ITB 33.2 and 33.3 and Section III, Qualification Criteria and Requirements, Sub-Factor 4.2.

Key Activity: (i) Ordinary /Standard Concrete (M20 & above) as explained in the Note in Col.3 against SI.4.2(b) in the Table of Eligibility & Qualification Criteria, Compliance Requirement and Documentation in Section III.

Information	
Contract Identification	
Award date	
Completion date	

²³ If applicable.

Role in Contract	Prime Contractor <input type="checkbox"/>	Member in JV <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Sub-contractor <input type="checkbox"/>
Total Contract Amount			Rs	
Quantity (Volume in each of the contracts <i>including</i> that cited in EXP 4.2(a)), performed under the contract per year or part of the year in the last 5 years, including the current Financial year. <i>Use this format separately for each of the contracts.</i>	Total quantity in the contract (i)	Percentage participation (ii)		Actual Quantity Performed (i) x (ii)
Current Year				
Year 1				
Year 2				
Year 3				
Year 4				
Year 5				
Employer's Name ²⁴ :				

²⁴Attach certificate from the Engineer-in-charge

Address:			
Telephone/fax number			
E-mail:			
5.	120 of RFB 150 of RFB 184 of RFB	BOQ/LOT-1 Sl no-37 (Sl no. is same in uploaded BOQ.xls file on NIC Portal) BOQ/LOT-2 Sl no-37 (Sl no. is same in uploaded BOQ.xls file on NIC Portal) BOQ/LOT-3 Sl no-37 (Sl no. is same in uploaded BOQ.xls file on NIC Portal)	“Cost of stone / laterite boulder at quarry site including Royalty (Royalty certificate in original from competent authority are to be submitted along with the bill, otherwise amount due towards Royalty of stone/ laterite boulder will be deducted from the bills of works) . a) Panchami source (Each weighing 25 kg & above)”
			Cost of stone / laterite boulder at working site including Royalty (Royalty certificate in original from competent authority are to be submitted along with the bill, otherwise amount due towards Royalty of stone/ laterite boulder will be deducted from the bills of works) & including loading, unloading & carriage up to site. a) Panchami source (Each weighing 25 kg & above)
6	127 of RFB 157 of RFB 192 of RFB	BOQ/LOT-1 Sl no-70 (Sl no. is same in uploaded BOQ.xls file on NIC Portal) BOQ/LOT-2 Sl no-72 (Sl no. is same in uploaded BOQ.xls file on NIC Portal) BOQ/LOT-3 Sl no-72 (Sl no. is same in uploaded BOQ.xls file on NIC Portal)	Rebar fastening with MS 16mm dia. anchor bar embedment of 200mm making holes in the concrete/Brick work in dry or wet condition including dewatering if required, by different type of machinery like Hammer drill, Dispenser, Holder, Blowout Pump and Consumables, Drill Bits, Chemical Adhesive complete with all material, labour, plant equipment.
			Rebar fastening with MS 16mm dia. anchor bar embedment of 200mm making holes in the concrete / brick work in dry or wet condition including dewatering if required, by different type of machinery like Hammer drill, Dispenser, Holder, Blowout Pump and Consumables, Drill Bits, Chemical Adhesive complete with all material, labour, plant equipment and cost of Rebar up to a total length of 1.0 Mtr.

7.	<p>138 of RFB</p> <p>169 of RFB</p> <p>206 of RFB</p>	<p>BOQ/LOT-1 Sl no-124 (Sl no. is same in uploaded BOQ.xls file on NIC Portal)</p> <p>BOQ/LOT-2 Sl no-126 (Sl no. is same in uploaded BOQ.xls file on NIC Portal)</p> <p>BOQ/LOT-3 Sl no-126 (Sl no. is same in uploaded BOQ.xls file on NIC Portal)</p>	<p>Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer-in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.</p> <p>A PCC Grade M20</p> <p>(i) Height upto 5m (Including cost of core test.) [Note: From durability consideration, the value of minimum cement content and maximum water cement ratio to be considered in the mix design shall be as per Table 5 of IS: 456]</p>	<p>Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer-in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.</p> <p>A. PCC Grade M20</p> <p>Height up to 5m (Including cost of core test and cost of 5.6mm downgraded stone chips at working site to be compacted properly for filling the gaps up to maximum width of 12mm between the adjacent slab, where required.) [Note: From durability consideration, the value of minimum cement content and maximum water cement ratio to be considered in the mix design shall be as per Table 5 of IS: 456]</p>
8.	394 of RFB	O.K. Card and Third-Party inspection OK Card System	In order to enforce the technical Specifications to promote construction quality, OK card system shall be kept in order to enforce the technical Specifications to promote construction quality and ESHS-MSIP implementation, OK card system shall be kept by the department. The Executive Engineer of works is primarily responsible for executing the works	In order to enforce the technical Specifications to promote construction quality, OK card system shall be kept in order to enforce the technical Specifications to promote construction quality and ESHS-MSIP implementation, OK card system shall be kept by the department. The Executive Engineer of works is primarily responsible for monitoring that the works as per design and Specifications. For this, Executive Engineer himself or his authorized representative Assistant Engineer/Junior Engineer will sign the OK Cards, which should be routed through the Engineer i.e. PMC as specified in the contract, as detailed below. The OK Card will be prepared and maintained in four copies. One copy each will remain with contractor,

			<p>as per design s and Specifications. For this Executive Engineer himself or his authorized representative Assistant Engineer/Junior Engineer will sign the OK Cards. The OK Card will be prepared and maintained in four copies. One copy each will remain with contractor, Junior Engineer, Assistant Engineer and Executive Engineer in charge of works. The OK Card for each activity will be initiated by the contractor when he considers that all the preparations to start a particular activity are complete. The OK Card will then be given by the contractor to the concerned Junior Engineer of Dept. The Junior Engineer will confirm whether all the preparations as per provisions and Specifications are complete. If the Junior Engineer finds everything in order, he will, depending upon the competency, get the area/works examined by the Assistant Engineer/ Executive Engineer and after their approval, sign the OK Card and hand over it immediately to the contractor to commence the activity. If the JE of Dep't finds deficiencies in the preparations to start the activity, he will return the OK Card at the earliest, to the contractor with his remarks for rectification of the deficiency. The activity should start only when the deficiencies are removed by the contractor and OK card is signed by</p>	<p>Junior Engineer, Assistant Engineer and Executive Engineer in charge of works. The OK Card for each activity will be initiated by the contractor when he considers that all the preparations to start a particular activity are complete. The OK Card will then be given by the contractor to the concerned Junior Engineer of Department through the Engineer i.e. PMC as specified in the contract. The Engineer, i.e. PMC would offer his comments and submit the O.K. card with the comments to the Junior Engineer. The Junior Engineer will confirm whether all the preparations as per provisions and Specifications are complete. If the Junior Engineer finds everything in order, he will, depending upon the competency, get the area/ works examined by the Assistant Engineer/Executive Engineer and after their approval, sign the OK Card and hand over it immediately to the contractor through the Engineer, i.e. PMC, to commence the activity. If the JE of Department finds deficiencies in the preparations to start the activity, he will return the OK Card at the earliest, to the contractor with his remarks for rectification of the deficiency, again through the Engineer, i.e. PMC. The activity should start only when the deficiencies are removed by the contractor, verified by the Engineer, i.e. PMC and OK card is signed by the Junior Engineer. The original OK card once initiated should not be destroyed and it should have all the remarks of all the Engineers and compliance report duly entered by the contractor and final OK remarks of the Junior Engineer. While making/ releasing payments, copy of the relevant OK card will be perused by the payment authority. OK card booklet shall be arranged by the contractor according to formats provided by the Engineer. This O.K card system will no way affect the responsibility of the Engineer, i.e. PMC to get the works executed as per specifications and perform other tasks specified in the contract.</p>
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			the Junior Engineer. The original OK card once initiated should not be destroyed and it should have all the remarks of all the Engineers and compliance report duly entered by the contractor and final OK remarks of the Junior Engineer. While making/ releasing payments, copy of the relevant OK card will be perused by the payment authority. OK card booklet shall be arranged by the contractor according to formats provided by the Engineer.	
9.	219, 220 of RFB	4.4 Key Activities under the Contract. Package – IRR-02 (Lot - 1) Lot-2 Lot-3	(a) Panagarh Main Canal (PBC) from 0.00Km to 30.48Km. (a) Panagarh Main Canal (PBC) from 30.48Km to 50.29Km. (a) Panagarh Main Canal (PBC) from 30.48Km to 91.775Km.	(a) Panagarh Branch Canal (PBC) from 0.00Km to 30.48Km. (a) Panagarh Branch Canal (PBC) from 30.48Km to 50.29Km. (a) Panagarh Branch Canal (PBC) from 50.29Km to 91.775Km.
10.	271 of RFB	A-1: Coarse Aggregates for Cement Concrete Works	Stone chips or stone ballast for cement concrete (plain or reinforced) shall be hard, of uniform and fine texture. free from faults or planes of weakness and free from weathered faces. The ballast or chips must be free from loam, clay or any surface coating, free from organic matter or other impurities and screened, free of dust. Stone of black and hard variety as is generally available from authorized quarries in Pakur or Chandil areas will be normally used. Stone aggregates from other sources	Stone chips or stone ballast for cement concrete (plain or reinforced) shall be hard, of uniform and fine texture. free from faults or planes of weakness and free from weathered faces. The ballast or chips must be free from loam, clay or any surface coating, free from organic matter or other impurities and screened, free of dust. Stone of black and hard variety as is generally available from authorized quarries in Pakur or Chandil areas will be normally used. Stone aggregates from other sources may also be used provided the same is found suitable in the opinion of the Engineer-in-Charge. The opinion of Engineer-in-Charge must be recorded in writing. The ballast or chips shall be obtained by breaking from large blocks and must be more or less cubicle in shape. Coarse aggregate shall be procured from authorized quarries only.

			may also be used provided the same is found suitable in the opinion of the Engineer-in-Charge. The opinion of Engineer-in-Charge must be recorded in writing. The ballast or chips shall be obtained by breaking from large blocks and must be more or less cubicle in shape. Coarse aggregate shall be procured from authorized sources only.	
11.	346 of RFB	Table E.1: Environmental and Social Management Plan (ESMP) for Package IRR-02 Column-1	Organic Pollution due to improper dumping of removed Water Hyacinth on river bank	Organic Pollution due to improper dumping of removed Water Hyacinth on canal bank
12.	346 of RFB	Table E.1: Environmental and Social Management Plan (ESMP) for Package IRR-02 Column-4 against Organic Pollution due to improper dumping of removed Water Hyacinth on canal bank	<p>Total quantity of water hyacinth to be removed from channel would be 307049 sqm (90394.81 sqm for Lot-1, 18253.93 sqm for Lot-2 and 198400.47 sqm for Lot-3)</p> <p>Relevant provision of the Contractor's ESHS-MSIP prepared in accordance with the guidelines of vegetation waste management plan (vide Para-B.I.1, Table E.3 under APPENDIX II/6 of Annexure II) shall be implemented.</p> <p>Records shall be preserved for the quantity of water hyacinth removed from the channel and disposed as per various options stated in the vegetation waste management plan.</p> <p>Composting pits to be excavated along the countryside toe of embankments shall be 15 m away</p>	<p>Total quantity of water hyacinth to be removed from canal would be 307049 sqm (90394.81 sqm for Lot-1, 18253.93 sqm for Lot-2 and 198400.47 sqm for Lot-3)</p> <p>Relevant provision of the Contractor's ESHS-MSIP prepared in accordance with the guidelines of vegetation waste management plan (vide Para-B.I.1, Table E.3 under APPENDIX II/6 of Annexure II) shall be implemented.</p> <p>Records shall be preserved for the quantity of water hyacinth removed from the canal and disposed as per various options stated in the vegetation waste management plan.</p>

			from bore wells used for drinking water purposes.	
13.	393 of RFB	Annexure – V: Supplementary Information Contractor’s General Responsibility S. No. 22(f) under Materials	Materials like timber, paints etc. shall be stored in such a way that there may not be any possibility of fire hazards. Inflammable materials and explosives shall be stored in accordance with the relevant rules and regulations or as approved by Project Manager in writing so as to ensure desired safety during storage.	Materials like timber, paints, oils and other hazardous materials etc. shall be stored as per relevant specifications in such a way that there may not be any possibility of fire hazards. Paints, oils and other hazardous materials need to be stored on a raised platform so that they are not in direct contact with the ground. Any spills need to be cleaned and area rehabilitated immediately. Inflammable materials and explosives shall be stored in accordance with the relevant rules and regulations or as approved by Project Manager in writing so as to ensure desired safety during storage.
14.	350 of RFB 350 of RFB 351 of RFB	Appendix- II/6. Waste Management Plan (C&D waste, vegetation waste, hazardous waste) Table E.2: C&D Waste Utilization Plan Col 3 & Row 3 under Reutilization Para A.3	Use in filling up of scour holes in the deep pockets of the adjoining canal (1680m x 0.90m x 0.60m avg.) A.3 All generated construction and demolition waste material will be stored temporarily in storage areas till reutilization, which may be either Identified Government land (Including berm land, embankment land, other vested lands) or private land temporarily arranged by the contractor on payment of required crop compensation or premium as the case may be.	Use in filling up of scour holes at the downstream end of regulating /fall structures beyond the apron portion, with earth cover at top, in the adjoining canals (1680m x 0.90m x 0.60m avg.) A.3 All generated construction and demolition waste material will be stored temporarily in storage areas till reutilization, which may generally be considered as the continuous strip of govt. land available on the countryside toe of embankment or canal bank (approximate width 5.0 m). Private lands may have to be arranged by the contractor on payment of required crop compensation or premium as the case may be, on very rare occasion.

	Table E.3: Guidelines for preparing C&D Waste Management Plan - Row -4 of Planning Stage	Identify available Govt. Land for temporary storing of C&D waste; capacity assessment of identified Govt. land; assessment of additional land for temporary storing of C&D waste required to be arranged by him from private owners on payment of requisite crop compensation and land premium; emphasize in identifying fallow or barren land located nearby; use of agriculture land shall be avoided to the possible extent, However, in case use of agriculture land becomes unavoidable, bed lining (by brick flat soling or thick polythene sheet) shall be provided to restrict impact on land fertility; C&D waste shall not be stored within 30 meter from deep channel of the river/ canal. All C&D waste deposited on berm land shall be removed before monsoon. C&D waste shall not be dumped at any water body or marsh or wetland at any circumstances; C&D waste shall not be stores within 100 m from any sensitive receptors like school/ hospital/ park/ playground.	Identify the stretch of required Govt. Land for temporary storing of C&D waste as stated Para in A.3 above; capacity assessment of the identified stretches; assessment of additional land for temporary storing of C&D waste required to be arranged by him from private owners on payment of requisite crop compensation and land premium in rare and exceptional cases, if needed; emphasize in identifying fallow or barren land located nearby; use of agriculture land shall be avoided to the possible extent, However, in case use of agriculture land becomes unavoidable, bed lining (by brick flat soling or thick polythene sheet) shall be provided to restrict impact on land fertility; C&D waste shall not be stored within 30 meter from deep channel of the river/ canal. All C&D waste deposited on berm land shall be removed before monsoon. C&D waste shall not be dumped at any water body or marsh or wetland at any circumstances; C&D waste shall not be stores within 100 m from any sensitive receptors like school/ hospital/ park/ playground
351 of RFB	Row -5 of Planning Stage	Consult with interested local person willing to provide land for temporary storing of C&D waste;	Consult with interested local person willing to provide land for temporary storing of C&D waste, again in rare and exceptional cases;
352 of RFB	Table E.3: Guidelines for preparing C&D Waste Management Plan -	Transport C&D waste in identified locations for temporary storage; While transporting, vehicle shall be	Carry / transport C&D waste in identified locations for temporary storage; While transporting, vehicle shall be covered from all site to

		Row-4 of Demolition Stage	covered from all site to restrict dust pollution and no littering or deposition so as to prevent obstruction to the traffic or the public or drains.	restrict dust pollution and no littering or deposition so as to prevent obstruction to the traffic or the public or drains.
352 of RFB		Row-5 of Demolition Stage	Grading of wastes for subsequent use as per reutilization plan. Concrete shall be used in scour hole filling to the possible extent; mortar, brick with mortar / brick shall be used to the possible extent in making haul road and restoration of village road.	Grading of wastes for subsequent use as per reutilization plan. Concrete shall be used in scour hole filling at the downstream of regulating structures, to the possible extent; mortar, brick with mortar / brick shall be used to the possible extent in making haul road and restoration of village road.
352 of RFB		Row-6 of Demolition Stage	Evacuate C&D waste as per reutilization plan, on regular interval, within a period of maximum 1 month; Each demolition site as well temporary storage area shall be cleaned properly after removal of C&D waste;	Remove C & D waste from the construction sites and bring to the temporary storage /disposal sites within 2 to 5 days within generation and evacuate C&D waste as per reutilization plan, on regular interval, within a period of maximum 1 month; Each demolition site as well temporary storage area shall be cleaned properly after removal of C&D waste;
		Vegetation Waste Management Plan under Appendix – II/6		
353 of RFB		Para B.1.3 & B.1.4	B.I.4: Contractor, as a component of his ESHS-MSIP shall follow step by step process to prepare vegetation waste management plan, as detailed below in Table E.5	B.1.3 All generated vegetation waste including water hyacinth will be stored temporarily in storage areas till reutilization, which may generally be considered as the continuous strip of govt. land available on the countryside toe of embankment or canal bank (approximate width 5.0 m). Different kinds of vegetation waste would be stored separately. There would be intermittent borrow pits within the strip for natural decomposition of the leafy materials. B.I.4: Contractor, as a component of his ESHS-MSIP shall follow step by step process to prepare vegetation waste management plan, as detailed below in Table E.5

		Table E.5: Guideline for preparing vegetation waste management plan under Appendix – II/6		
	353 of RFB	Row -3 of Planning Stage	Identification of areas within the Govt. land including embankment and berm land for temporary storage of Twigs & Bough, Branch, Shrub Stem, Stumps, Roots and Wood Chips for collection by the local community and identification of borrow pits/ areas on berm land for dumping of leaves for natural decomposition.	Identification the stretch of required Govt. Land for temporary storing vegetation waste as stated in Para B. 1.3 above for temporary storage of Twigs & Bough, Branch, Shrub Stem, Stumps, Roots and Wood Chips and Water Hyacinth for collection by the local community. Also, identification /marking of the intermittent borrow pit areas for dumping & natural decomposition of leafy materials.
	353 of RFB	Row -3 of Implementation	Temporary storing of vegetation waste	Removing all kinds of vegetation waste from construction sites to the temporary storage areas /disposal sites within 2 to 5 days within generation and evacuation waste as per reutilization plan, on regular interval, within a period of maximum 15 days.
15.	119 of RFB	BOQ/LOT-1 Sl no-30 (Sl no. is same in uploaded BOQ.xls file on NIC Portal)	Epoxy bonding of new concrete to old concrete	Epoxy bonding of new concrete/ brickwork to old concrete/ brickwork
	149 of RFB	BOQ/LOT-2 Sl no-30 (Sl no. is same in uploaded BOQ.xls file on NIC Portal)		
	182 of RFB	BOQ/LOT-3 Sl no-30 (Sl no. is same in uploaded BOQ.xls file on NIC Portal)		

16	BOQ/LOT-1 SI no-29 (uploaded BOQ.xls file on NIC Portal) BOQ/LOT-3 SI no-29 (uploaded BOQ.xls file on NIC Portal)	BOQ/LOT-1 SI no-29/Unit Column BOQ/LOT-3 SI no-29/ Unit Column	Cum	Sqm
17	BOQ/LOT-1 SI No 2.00 (uploaded BOQ.xls file on NIC Portal)	BOQ Lot-1 SI No 2.00	Dismantling of Structures Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specifications Clause 202 for Rural Roads of MORD. (II) By Mechanical Means. a) Cement Concrete	Dismantling of Structures Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specifications Clause 202 for Rural Roads of MORD. (I) By Manual Means. a) Cement Concrete
18	BOQ/LOT-3 SI No 2.00 (uploaded BOQ.xls file on NIC Portal)	BOQ Lot-3 SI No 2.00	Dismantling of Structure Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable	Dismantling of Structure Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specifications Clause 202 for Rural Roads of MORD.

			material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specifications Clause 202 for Rural Roads of MORD. (I) By Manual Means. c) Reinforced Cement Concrete.	(I) By Manual Means. b) Cement Concrete.
19	BOQ/LOT-3 SI No 2.01 (uploaded BOQ.xls file on NIC Portal)	BOQ Lot-3 SI No 2.01	(II) By Mechanical Means. a) Cement Concrete	(I) By Manual Means. c) Reinforced Cement Concrete.
20	BOQ/LOT-1 SI No 51.01 (uploaded BOQ.xls file on NIC Portal)	BOQ Lot-1 SI No 51.01	Extra rate for item no 50.00 above for each additional lead of 60 metre or part thereof beyond the initial lead of 30 metre.	Extra rate for item no 51.00 above for each additional lead of 60 metre or part thereof beyond the initial lead of 30 metre.
21	BOQ/LOT-2 SI No 73.00 (uploaded BOQ.xls file on NIC Portal) BOQ/LOT-3 SI No 73.00 (uploaded BOQ.xls file on NIC Portal)	BOQ Lot-2 SI No 73.00 BOQ Lot-3 SI No 73.00	Making cement gauge for 15cm wide and 25mm thick in 1:3 cement plaster including making divisions of a metre / foot as directed and painting with approved cement paints and painting numerical complete as per direction of the Enginner- in - charge.	Making gauge for 150mm wide and 25mm thick in 1:3 cement plaster including making divisions of a metre / foot as directed and painting with approved cement paints and painting numerical complete as per direction of the Engineer-in- charge with supply and carriage of all materials to site.

22.	127 of RFB 193 of RFB	BOQ/LOT-1 Sl no-71 BOQ/LOT-3 Sl no-73	Making gauge 150mm. Wide and 25mm. Thick with sand and cement mortar (1:3) on profile wall face or any other place including neat cement finish and coloured lettering with water proof paint in CGS / FPS unit or any lettering as necessary as per direction of Engineer-in-charge with supply and carriage of all materials to site.	Making gauge for 150mm wide and 25mm thick in 1:3 cement plaster including making divisions of a metre / foot as directed and painting with approved cement paints and painting numerical complete as per direction of the Engineer-in-charge with supply and carriage of all materials to site.
23	124 of RFB 154 of RFB 189 of RFB	BOQ/LOT-1 Sl no-60.01,60.02,60.03 (Sl no. is same in uploaded BOQ.xls file on NIC Portal) BOQ/LOT-2 Sl no-60.01,60.02,60.03 & 61.01,61.02,61.03 (Sl no. is same in uploaded BOQ.xls file on NIC Portal) BOQ/LOT-3 Sl no-59.01,59.02,59.03,60.01,60.02,60.03 & 61.01,61.02,61.03 (Sl no. is same in uploaded BOQ.xls file on NIC Portal)	Above 5 km up to 10 km (per km) Above 10 km up to 20 km (per km) Above 20 km up to 50 km(per km)	Above 5 km up to 10 km Above 10 km up to 20 km Above 20 km up to 50 km
24	338 of RFB	Annexure II: Package Specific ESMP& Contractor's ESHS-MSIP	1. Package Specific ESMP provided to facilitate the Contractor to prepare its own ESHS-MSIP (as per format given in Appendix II/12 of this Annexure II) comprises the following:	1. Package Specific ESMP provided to facilitate the Contractor to prepare its own ESHS-MSIP (as per format given in Appendix II/15 of this Annexure II) comprises the following:

