



Date: 02-04-2014

3rd CORRIGENDUM TO TENDER DOCUMENT

Tender No.: "MTC/EN/DFCCIL/Detour Survey /2014-15/OT"

Name of work: Detail Engineering construction survey for Detour "Hafizpur to Daurala & Khatoli to Rohana kalan" and /or at any other location as directed by the Engineer- in-charge, staking out alignment, preparation of Land plans, Geotechnical investigation, preparation of GAD for bridges and yard plans, providing facilitation services for land Acquisition and other preliminary works on Eastern Dedicated Freight Corridor in the jurisdiction of CPM/Meerut.

Following corrections are issued in tender document :-

1. Page No. 31, 32 & 33 should be read as Annexure-I (enclosed)
2. Page No. 34 should be read as Annexure-II (enclosed)
3. Page No. 36 should be read as Annexure-III (enclosed)

**For CPM/Meerut
On behalf of DFCCIL**

Annexure-I

item no.	Description of Item	Unit	App. Qty.	Rate (Rs.)	Amount (Rs.)
1	<p>Conducting details engineering construction survey for parallel / detour section or at any other location(s) using tenderer's own engineers, labour, tools, plants, equipments, materials, transportation with all lead and lifts complete using survey instrument like total stations, theodolite, auto levels etc. duly taking all safety precautions, refinement of alignment with a view to achieve economy in construction etc., as per the scope, terms of reference, special conditions of contract, relevant provision of Indian Railway Code for Engineering Department (latest version), SOD and as directed by the Engineer-in-charge. The work shall also include design of optimal alignment based on topographical features and terrain considering engineering parameters (like degree of curve, ruling gradient, transition length of curve etc), level crossings, ROB/RUB/Flyovers, bridges, ecology and habitat etc., fixing of control points, traversing the alignment and detail instrumental survey in a width of 100 m or as required on either side of proposed alignment after identification & approval of most economical alignment based on preliminary survey, topo sheets or NRSA imagery/data etc., preparation & submission of a comprehensive report including plan and L- section in MX RAIL/Auto CAD for the approval DFCCIL.</p> <p>Note:- Project Sheet/ Benchmark of approach/ adjacent portion shall be taken into consideration while conducting survey and Project sheet & other documents should be prepared accordingly.</p>	Km	101	21,209.00	21,42,143.72
2	<p>Transferring the finalized alignment on ground using Total station or any other survey equipments. Contractor shall fix up a concrete pillar at every 500m in straight portion of alignment & in curves the concrete pillar should be fixed at every junction point of the straight and curve, transition and circular curve etc. (i.e. at Ti, J1, J2, & T2). In addition to above pillars contractor shall be required to fix the CC muttams at every 100m on a straight & at every 50m on curve portion. Alignment Pillar shall be fixed at both ends of each major bridges. (The payment for supply & fixing of RCC pillars will be made separately under relevant item of schedule-C)</p>	Km	101	12,279.00	12,40,188.47
3	<p>Preparation of land plans using plane table or any other surveying technique along the existing track (if any) and both sides of proposed alignment of detour, calculation of land area to be acquired, superimposition of proposed alignment & land required on land plans, collection of all necessary documents & information and preparation & submission of land acquisition proposals under section 20(A) of Railways (Amendment) Act, 2008 as per format/ requirement of revenue department.</p>	Km	101	12,324.00	12,44,698.25

4	Preparation & submission of land acquisition proposals in requisite copies under section 20(E) of Railways (Amendment) Act, 2008 as per format/ requirement of revenue departments including collection of all necessary revenue records, information on affected land owners, land use pattern (such as agriculture, commercial, barren, forest etc) and any such other information required for publication of notification under section 20(E).	Km	101	5,985.00	6,04,490.41
5	Finding out Utility services along the proposed alignment such as buildings & structures, electrical line/poles, telephone lines, high tension lines along with their voltage & sag height, OFC cables, existing RE cables, Quad cables, retaining walls, trees, pipelines for water, petrol or gas etc complete including preparation of kilometre wise plan showing all utility services required to be shifted before construction.	KM	101	4,965.00	5,01,487.12
6	Identification of land, preparation & submission of land acquisition proposals for yards / dumping locations for ballast, blanket etc. along the finalized alignment etc. complete in requisite copies under section 20(A) & 20(E) of Railways (Amendment) Act, 2008 as per format / requirement of revenue departments including necessary survey, preparation of area statement, collection of all necessary revenue records, information on affected land owners, land use pattern (such as agriculture, commercial, barren, forest etc), details of assets and any such other information required for publication of notification under section 20(A) & 20(E).	Hectare	36	3,049.00	1,09,756.34
7	Shifting of tools and plants for soil exploration/-testing from one location to another location along the alignment @ one km (Major bridge/RFO will be considered as one location).	No.	111	669.77	74,344.47
8	Exploratory drilling of 150mm diameter oreholes down up to specified depth in all types of soil & drilling of Nx size boreholes (65mm diameter) in all type of rock (boulders, weathered and fresh rock) including conducting standard penetration test at specified depth, collection of disturbed, undisturbed samples from boreholes at major bridges, minor bridges, flyover, ROB, RUB, Station building and along the proposed alignment for the formation.	M	2112	1,056.00	22,31,219.39
9	Conducting laboratory tests on samples extracted during exploratory drilling as specified in scope of work and submission of report.	M	2112	744.78285	15,72,981.38
10	To carry out the selection of technically most suitable site for the major bridge and finalizing the length of spans, type of sub structure as well as design of scour beds and guide bunds wherever required. This will necessitates leveling of the river profile 1 Km on upstream and 1 Km on downstream, traversing of catchments area of the stream, collection of hydrological data and hydrological calculation for deciding water way of the bridges. The proposal for span must be supported with proper hydrological calculation.	No.	8	4,554.00	36,435.42

11	To Carry out theselection of technically most suitable site for the minor bridge and finalizing the length of spans, type of sub structure as well as design of scour beds and guide bunds wherever required. This will necessitates leveling of the river profile of 0.5 Km on upstream and 0.5 Km on down stream, traversing of catchments are of the stream, collection of hydrological data and hydrological calculation for deciding water way of the bridges. The proposal for span must be supported with proper hydrological calculation.	No.	69	2,277.21	1,57,127.75
12	Preparation of GAD for all proposed minor/ major bridges, RFO,RUB's based on L-section, detailed geotechnical investigation & survey	No.	182	4,854.00	8,83,353.54
13	Preparation of detailed schedule of quantities for single line construction including crossing station and junction station. The location of junction station and crossing station will given be given by DFCCIL. The BOQ shall consist of quantities of earthwork, blanket material, ballast, P.Way Material, length of retaining walls, length of side drains etc. The detailed quantities of various items of minor & major bridges, RFO and RUB and estimation thereof. The estimates shall be updated to include items as per the latest practice of Railway and Railway Board's instructions. The rates adopted for schedule for quantities and detailed estimate should be latest and realistic. To calculate the realistic rates Contractor/ Firm shall study the availability of material required for earthwork, blanketing etc. considering the lead involved and submit rate analysis to DFCC1L.	Km	101	4,854.00	4,90,212.68
14	Preparation of Engineering Scale Plan of Jn. Stations, Crossing Stations and existing Railway stations by doing proper survey of the entire yard along with the plan, contractor has to submit detailed list of infringement (signaling, electrical and Civil etc) coming in the proposed alignment. The plan for Jn. Station should be got approved by the concerned Railway authorities and DFCC.	Nos	11	35,721.00	3,92,931.00
15	Preparation of detailed presentation of the work as per the scope of work and as & when required, marking of alignment on google image, Topo-sheet and preparation of detailed project report as directed by Engineer in Charge etc. complete.	Km	101	2,233.00	2,25,488.81
	TOTAL FOR SCHEDULE 'A'				1,19,06,858.75
	Net cost				1,19,06,859.00

Annexure-II

item no.	Description of Item	Unit	App. Qty.	Rate (Rs.)	Amount (Rs.)
1	After notification, the declaration of the same to all the owners of land by distribution of notice, affixing the notice at notice board of every village office, Panchayat, Tahsil office as well as announcement (Munadi) in every village by speaker for awareness and information.	Per village	207	871.00	18,0291.83
2	Collection of sale deeds for the last 03 years and the rate list of district. (Actual Govt fees if any paid will be paid extra over schedule rates on production o prof of payment thereof)	Per Sub Registry Office	7	8,710.00	60,968.25
3	Identification of landless and small farmers and Preparation of compensation package.	Per District	3	21,774.00	65,323.13
4	Survey and valuation of affected structures trees and any other value addition to the land, Multy storeyed building etc including valuation of building by Govt approved valuers. (Note: For valuation of structures 15% over the actual fee of Govt approved valuer will be paid by DFCC over above this schdule rate)	Per Village	69	4,355.00	3,00,486.38
5	Distribution of compensation – Opening of bank account of affected parties in the nearby schedule/regional rural bank, deposition of cheque in the bank and furnishing the acknowledgment of the same for the record. The item also includes organising camps for disbursement of compensation by making suitable arrangement for tents, all cost of transportation, vehicle for Revenue authorities, typing, Videography and Photography etc.	Per Village	69	8,710.00	6,00,972.75
6	Joint Measurement by Revenue Staff & Acquiring Agency for the delivery of possession of the land after acquisition.	Per Km.	202	1,306.00	2,63,905.43
7	Making necessary arrangements for transferring the land title to DFCCIL with all legal formalities like purchase of stamp papers, typing work involved, handing/ taking over of land ,attending the Revenue Department, for necessary stamping and registration thereof etc.	Per District	3	21,774.00	65,323.13
8	Making proposal for acquisition of Government land, follow of with Tehsildar, Forest officials and State Government etc.	Per District	3	8,710.00	26,129.25
TOTAL FOR SCHEDULE 'B'					15,63,400.15
Net cost					15,63,400.00

RATE SHEET

Tender No.: "MTC/EN/DFCCIL/Detour survey/2014-15" **NAME OF WORK:** Detail engineering construction survey for Detour "Hafizpur to Daurala & Khatoli to Rohana kalan" and /or at any other location as directed by the Engineer- in-charge, staking out alignment, preparation of Land plans, Geotechnical investigation, preparation of GAD for bridges and yard plans, providing facilitation services for land Acquisition and other preliminary works on Eastern Dedicated Freight Corridor in the jurisdiction of CPM/Meerut."

Date of opening :

I/We offer and agree to execute the work as per specifications, rate, terms and conditions of this tender at the following rates.

Sr.No.	Item of work covered in Schedule	Basic Value	Rate to be quoted by tenderer in percentage above/below the basic rates specified in schedule (In figures & words)
1	Schedule 'A'	Rs. 1,19,06,859/- (Rs. one crore Ninteen lacs Six thousand Eight hundred Fifty nine only) %above/below/At Par the basic rates of Schedule 'A' (In figures)
		 % above/below/At Par the basic rates of Schedule 'A' (in words)
2	Schedule 'B'	Rs. 15,63,400/- (Rs fifteen lacs Sixty three thousand four hundred only) %above/below/At Par the basic rates of Schedule "B" (In figures)
		 % above/below/At Par the basic rates of of Schedule "B" (in words)
3.	Schedule 'C'	Rs. 42,22,196/- (Forty two lacs twenty two thousand one hundred ninty six only) % above / below/ at par the basic rates Of Schedule "C" (in Figures)
		 % above / below/ at par the basic rates Of Schedule "C" (in Words)

Note:-

- (1)I/We am/are signing this document after carefully reading the contents.
(2)I/We also accept all the conditions of the tender and have signed all the pages in confirmation thereof.

Signature of tenderer/s
Address: