



INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (IISER) TIRUPATI

(An Autonomous Institution of the Ministry of HRD, Govt. of India)

Transit Campus at Sree Rama Engineering College Building,

Karakambadi Road, Mangalam (B.O), Tirupati - 517 507

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www.iisertirupati.ac.in

Name of work & Location **Construction of Students Hostel, academic lecture halls, approach road including architectural and structural services at IISER Tirupati, Andhra Pradesh.**

NIT NUMBER **: 2/ IISER/TIRUPATI/2017-18**

Date of Issue : 13 10 2017

MINUTES OF PRE-BID MEETING

Pre bid Meeting Held at Office of IISER TIRUPATI on 11 10 2017 at 11.00hrs

IISER TRUPATI	Representatives of bidders
1. Er. Y. S. Rajput, SE IISER PUNE (2) Mr Chaman Mehta, Assistant Registrar, IISER Tirupati.	As per attendance sheet maintained at IISER Tirupati.

Pre bid Meeting for the above work was held at 11 00 hrs on 11 10 2017 at IISER TIRUPATI in the presence of representative of the intending bidders. The original tender document, terms and conditions uploaded on website shall stands modified to the extent of modifications defined in this MOM & this MOM shall form part of bid document. Bidders are requested to take note of modifications & submit their bids considering the modifications listed in the MOM and terms and other terms and conditions in the bid document. Soft copies of MOM are uploaded on <https://eprocure.gov.in/eprocure/app> & IISER Tirupati website. The following points raised by the intending applicants were discussed and clarified to the representatives of the intending bidders by IISER Tirupati during the pre bid meeting.

Sr No	Ref. to NIT / BOQ	Points Discussed	Query	IISER Tirupati Clarification
1	Clause No 3.1	Experience on similar type of completed works executed during the last seven years; and details like monetary value, clients, proof of satisfactory completion. Similar work means: Construction of high rise (height of high rise building 15 m and above or minimum four storeyed) RCC framed construction, residential or non-residential building, under a composite tender consisting of Civil, Plumbing & Sanitary, Electrical works, Lifts and Fire protection system etc. Documentary evidence is required to be produced.	We request you to consider our work experience in non residential building Type, as we have executed Composite package of Civil, Plumbing & sanitary, Electrical works, Lifts and fire Protection of Industrial Building.	No change in the similar work criteria. RCC framed construction residential and Non residential buildings are already specified in the similar work criteria. However this shall not apply to Industrial buildings like PEB structures.

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2	Clause No 10.1 (b)	A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lakh, whichever is less, will have to be deposited in shape prescribed above and balance in shape of irrevocable Bank Guarantee from a Scheduled Bank and shall be valid 90 days after the validity of the offer (as per standard proforma attached).	We request you to allow us to submit the entire amount of EMD of RS 57,00,000/- in the form of Bank Guarantee as per approved format	No change in the tender conditions.
3	Clause No 1	Last Dates & time to fill/upload - 21/10/ 2017 up to 15 00 hrs the tender through e-tendering	Considering the Festive season and Pre Occupied Schedule of Holidays, we request you to extend the Submission date by 2 Weeks.	Considering the request of the intending bidders, date of submission of bids extended up to 28 10 2017 up to 15 00 hrs.
4	Clause 10 CA	Basic Price Cement (OPC) 43 grade - Rs. 5,200/- per MT Cement (PPC) - Rs. 5,000/- per MT Steel Reinforcement- TMT - Rs. 42,000/- per MT	We presume that the Price escalation will be paid as per the CPWD Guidelines	Price escalation shall be payable as per contract clauses already given in the bid document. No change in tender clauses.
5	BOQ Item No 15.1	M-10 grade cement concrete by using minimum 180 kg of OPC cement (43 Grade) per cum of concrete as per IS standard plus fly ash up to 20 % conforming to Grade I of IS 3812 (Part-I) with uniform blending with cement in accordance with clauses 5.2 and 5.2.1 of IS 456:2000. (Quote rate shall be inclusive of cost of all the materials, labour, machinery, all taxes, royalty and octroi etc)	We presume that the total Cement content will be as per IS 456 latest edition.	No change in the BOQ item. Cement contents as per BOQ item.

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6	BOQ Item No 15.2 & 16	M-30 grade ready mix cement trimix concrete laid and finished with screed board vibrator, needle vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. including M S channel side shuttering laid in required line and level/grade including cutting contraction joints grooves at interval not exceeding 3m in both directions, expansion joints at required intervals, filling all the joints with "A" Grade sealing compound complete as per CPWD specifications and direction of Engineer in charge by using minimum 345 kg of OPC cement (43 Grade) per cum of concrete as per IS standard plus fly ash up to 20 % confirming to Grade I of IS 3812 (Part-I) with uniform blending with cement in accordance with clauses 5.2 and 5.2.1 of IS 456:2000. Rate shall be inclusive of cost of all the materials, cutting & filling of joints, all operations, hiring charges machinery etc., all taxes etc. complete.	We presume that the total Cement content will be as per IS 456 latest edition.	No change in the BOQ item. Cement contents as per BOQ item.
7	BOQ Item No 42 to 54		We Request you to Provide basic rate for Flooring items for Selection Criteria	Quality of flooring tiles and granite names/shades are already defined in the BOQ items. No change in the BOQ items and no change in terms and conditions of the bid document.
8	BOQ Item No 75 to 77		We request you to brief the Demolishing work during Pre Bid Meeting.	Demolishing work if required during execution of the work shall be undertaken as per BOQ item. It is to clarify that no existing structure is required to be dismantled at site.

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9	BOQ item no 87 to 87.2		As this is specialised work , we request to share the name of Subcontractor /authorised installer who is executing such type of works.	Name of the specialised agencies are readily available online. Bidders are requested to make enquiries from local market.
10	NIT & SCC : Page No.2	The Architectural consultant shall provide comprehensive services for Preparation of Comprehensive architectural and Structural consultancy services, from beginning till the end of the project, including preparation of layout of the building and development around the building i/c services, horticulture & landscaping services, detailed drawings, floor plans, detailed drawings depicting interior layouts and schematics with all specifications viz. Architectural, structural, Electrical, Firefighting , IBMS, Audio Visual, HVAC – Geo Thermal cooling etc. for various areas required to undertake the construction of the project out of the following field / services any /all of which may be required for the project:	Kindly confirm whether cost to be included in tender for HVAC – Geo Thermal cooling , Approach road, development around the building i/c services, horticulture & landscaping services as mentioned in SCC. And, also confirm other structure like STP, Rainwater harvesting and UG sump etc. Kindly provide the detailed BOQ and specification if required. Since the project is design and build as specified in NIT and also you have provided BOQ with rate and amount for the same, if quantities are increased as per design requirement will the same be measured and paid?	Scope of work is already defined in the detailed BOQ. Geo thermal cooling is not required to be designed for the building but design of ducts and pipes etc shall be required to be done by the consultant. All other design shall be required as per scope of Architectural and Structural consultancy services defined in the tender document.
11	GCC, Page No.150	Base price and its corresponding period of all the materials covered under clause 10CA (In Rupees)	Kindly provide us basic price for Tiles , Kota & Granites.	Basic prices of Tiles, Kota and granite are not covered under clause 10 CA.

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12	SCC : Page No.10	1.7.1 Temporary barricading shall be provided at Site by the contractor at their own cost. The barricading physically define the boundaries of the plot for restricted entry to only those involved in the work and also to prevent any accident and also not causing any inconvenience to the traffic. The barricading panels shall be painted and "IISER TIRUPATI" mark should be made in suitable size, shapes and number as directed by Engineer-in-charge without any extra cost. It shall be dismantled and taken away by the contractor after completion of the work at his own cost with the permission of Engineer-in-charge.	We request to provide us tentative barricading layout	Hard barricading with pre coated GI sheets and M S supporting frames shall be as per contractor site establishment plan submitted by the contractor and approved by the IISER Tirupati. It shall be all-round the construction activity as per site requirements and instructions of Engineer in charge.
13	10 Bid Security/EMD,, NIT, Page No.11	10.1 Bid security/EMD amounting to Rs 57 (Fifty seven) Lakh in any one of the following forms shall be deposited with IISER Tirupati in the following form before the date and time fixed for opening of bid failing which the bid will be declared non responsive.	We request you to accept 100% Bank guarantee	No change in the NIT conditions.
		a) 100% EMD amount can be deposited in IISER Tirupati Bank account through net banking as detailed below.		a) 100% EMD amount can be deposited in IISER Tirupati Bank account through net banking as detailed below.
		Name-IISER Tirupati		Name-IISER Pune
		Bank-State Bank of India		Bank-State Bank of India
		Branch-NCL Campus Branch, Tirupati 411008		Branch-NCL Campus Branch, Pune 411008
		Current A/c No. 30042605732		Current A/c No. 30042605732
		IFSC-SBIN0003552		IFSC-SBIN0003552
		b) A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lakh, whichever is less, will have to be deposited in shape prescribed above and balance in shape of irrevocable Bank		

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		Guarantee from a Scheduled Bank and shall be valid 90 days after the validity of the offer (as per standard proforma attached).		
14	CLAUSE-10B - Mobilization Advances & Interest and Recovery:- GCC, Page No.79 & 80	Mobilization Advance not exceeding 10% of the tendered value may be given, if requested by the contractor in writing within one month of the order to commence the work. Such advance shall be paid in two or more instalments to be determined by	We request you to accept 100% Bank guarantee for mobilization advance of 10% on total value.	No change in the NIT conditions.
15		the Engineer-in-Charge at his sole discretion. The first instalment of such advance shall be released by the Engineer-in-Charge to the contractor on a request made by the	Recovery of mobilization of advance without interest.	No change in the NIT conditions.
		contractor to the Engineer-in-Charge in this behalf. The second and subsequent instalments shall be released by the Engineer-in-Charge only after the contractor furnishes a proof of the satisfactory utilization of the earlier instalment to the entire satisfaction of the Engineer-in-Charge.		
		Before any instalment of advance is released, the contractor shall execute a Bank Guarantee Bond from Scheduled Bank for the amount equal to 110% of the amount of advance and valid for the contract period. This (Bank Guarantee from Scheduled Bank for the amount equal to 110% of the balance amount of advance) shall be kept renewed from time to time to cover the balance amount and likely period of		
		Provided always that provision of Clause 10 B shall be applicable only when so provided in 'Schedule C'. (iii)The mobilization advance and plant and machinery advance in (i) & (ii) above bear simple interest at the rate of 10 per cent per annum and shall be calculated from the date of payment		

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		to the date of recovery, both days inclusive, on the outstanding amount of advance. Recovery of such sums advanced shall be made by the deduction from the contractors bills commencing		
		after first ten per cent of the gross value of the work is executed and paid, on pro-rata percentage basis to the gross value of the work billed beyond 10% in such a way that the entire advance is recovered by the time eighty per cent of the gross value of the contract is executed and paid, together with interest due on the entire outstanding amount up to the date of recovery of the instalment.		
		of advance is released, the contractor shall execute a Bank Guarantee Bond from Scheduled Bank for the amount equal to 110% of the amount of advance and valid for the contract period. This (Bank Guarantee from Scheduled Bank for the amount equal to 110% of the balance amount of advance) shall be kept renewed from time to time to cover the balance amount and likely period of complete recovery.		
		Provided always that provision of Clause 10 B shall be applicable only when so provided in 'Schedule C'. (iii)The mobilization advance and plant and machinery advance in (i) & (ii) above bear simple interest at the rate of 10 per cent per annum and shall be calculated from the date of payment		

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		to the date of recovery, both days inclusive, on the outstanding amount of advance. Recovery of such sums advanced shall be made by the deduction from the contractors bills commencing		
		after first ten per cent of the gross value of the work is executed and paid, on pro-rata percentage basis to the gross value of the work billed beyond 10% in such a way that the entire advance is recovered by the time eighty per cent of the gross value of the contract is executed and paid, together with interest due on the entire outstanding amount up to the date of recovery of the instalment.		
16	SCC, Page No.6. 2.31	2.31 Any charges/fees required to be paid to Govt authorities (except proof checking of structural design & drawings which shall be paid by the bidder)for approval etc. shall be paid by IISER Tirupati. All expenses in connection with obtaining approval, meetings with local authorities, co-ordination, travel expenses etc. shall be borne by the bidder.	Kindly provide us the contact number of the site person for site visit . Kindly confirm whether cost to be included in our price for obtaining liasioning for all statutory and consent for operation as applicable.	Landline numbers of IISER Tirupati Transit campus are +91 (0877) 2500 400 /656 1515/98900 82202 and are already given in bid document. No change in the Scope of services to be provided already defined in the bid document. Liasioning and
17	Building requirement	Scope provided in NIT, Student Hostel, Lecture hall and Approach road including Architectural and structural drawing. Plinth area mentioned as 23500 sqm , G+5.	We request you to provide us detailed requirement and specification of Lecture and Hostel building and road layout.	Tentative Layout plan is already attached with the tender document. Payment shall be made item wise as per actual execution of work. General finish specifications shall be as per BOQ items and final architectural floor plans approved by IISER Tirupati. Brief scope of work is already given in the bid document under scope of work.
18	Technical bid submission		Kindly extend the date of bid submission at least 15 days after receipt of clarifications.	Extended Last date of submission of bids shall be 28 10 2017 up to 15 00 hrs.

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19			Please confirm Total contract amount is excluding GST	The bidder shall workout the total market cost of bid after working out market rates inclusive of GST applicable for each item and then workout overall percentage above or below over estimated cost put to tender. No claims whatsoever for reasonability/justification of estimated rates put to tender in the BOQ shall be entertained by IISER.
20	Site Infra		We request you to allow space for site office, steel fabrication yard, RMC plant and labour camp inside the site premises at free of cost.	Limited Space at site of work shall be made available to the bidder free of cost as per bidder site establishment plan approved by the Engineer in charge.
21	Ordinary Portland GREY Cement 53& 43 Grade	a Ultra tech	The manufacturers given in the approved makes does not have manufacturing plant in AP & Tamil nadu .Kindly include dalmia&Zuari .	Dalmia and Zuari makes are approved as additional approved cement makes.
		b ACC		
		c Birla Ambuja		
22	Reinforcement Steel (TMT)	a TISCO	Kindly include JSW	JSW for TMT bars is approved as additional make for Reinforcement TMT bars.
		b SAIL		
		c RINL		
23	RMC SCC , Page No.58	Design Mix: Design Mix of M10 & M25 Concrete from Certified laboratory.	Can we use Design mix as per IS 456:2000 (OPC with fly ash) in Controlled Automatic Batching Plant. Coarse Aggregate will be used in the combination of 20 mm and 12 mm.Fine aggregates will be used in the combination of river sand and crusher sand as per IS specified grading requirement. Can we use combination of river sand and crusher sand. Kindly clarify .	Design mix as per BOQ item. Crush sand meeting the grading requirements in combination with river sand can be used.

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24	BOQ/Page No. 2	P/L pressure pipes NP3 Class RCC pipes from approved manufacturer with ISI mark including collars/S&S jointed with stiff mixture of cement mortar in the proportion of 1:2(1 cement:2 fine sand) i/c testing of joints etc.complete.	Kindly confirm our quote is including excavation and backfilling or only P/L of NP3 pipe.	No change in BOQ item. For this item excavation shall be payable extra under excavation items in the BOQ.
25	General BOQ	For RCC work, Masonry and Finishing items	Using of crusher sand / M. Sand for concrete, Masonry and finishing items	Crush sand shall be allowed only for RMC works. For all other items river sand shall be used.
26	PLANT AND EQUIPMENT & SITE LABORATORY Page No.41-46		Plant & equipment and site Laboratory as required for project completion time to time will be either hired or owned machinery to be deployed at site as mutually agreed both contractor and Engineer in charge without affecting schedule.	No change in tender conditions.

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27	Waterproofing BOQ No. 74	<p>Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of the following operations. (Girth area of the finished surface shall be measured for payment. Rate is inclusive of cost of all the materials, taxes, all operations etc.)</p> <p>i) Ist course of applying cement slurry @ 2.20 Kg/sqm and 100 mm thick integral water proofing with brick bat coba in horizontal surface of toilets in cement mortar 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.</p> <p>ii) IInd course finishing the brick bat coba 100 mm thick in horizontal surface and vertical surface of walls with 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.</p>	Shall we consider for toilet sunken partition 400mm for providing of 200mm thick brick bat coba.	<p>BOQ Item No 74 stands modified as below. Bidders are requested to take note of the change in nomenclature of the BOQ item No 74 and work out their rates as per changes items as detailed below: "BOQ Item No 74 ; Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of the following operations. (Girth area of the finished surface shall be measured for payment. Rate is inclusive of cost of all the materials, taxes, all operations etc.) i) Ist course after cleaning the concrete and wall surface with wire brushes and removal of dirt etc and providing applying cement slurry @ 2.20 Kg/sqm admixed with waterproofing compound .</p> <p>ii) 100 mm thick integral water proofing with brick bat coba in horizontal surface of toilets in cement mortar 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface and providing integral water proofing treatment to the sunken vertical wall surface with 20 mm thick cement mortar admixed with waterproofing compound and then neat cement punning @ 2.20 kg/sqm admixed with water proofing compound over plaster surface.</p>

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				iii) 3rd course of applying blown or residual bitumen applied hot at 1.7 Kg. per sqm of area) iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.)
28		The Quantities mentioned in the issued BOQ may vary based on the Architectural & Structural Design; in this case the (single percentage) rates will affect some items adversely or otherwise as the quantities may increase or decrease as per design requirements.		This is a percentage tender. No change in tender conditions. Variations in Quantities if any shall be dealt under clause 12 of the contract.
29		Request you to please consider Item Rates contract, so that we can quote the best rates for each item of work. This will be beneficial to both client and contractor, as contractor can quote lowest rate for of work. each item individually.		No change in the tender conditions.
30		Can you please provide us the height of each floor, Building & Room Dimensions? Fourth Floor drawing is missing. Need clarity on double height areas in building.		In general Floor height of rooms shall be between 3.00 to 3.20 m and room dimensions are as per drawings attached AutoCAD drawing. Double height area are Dining and kitchen are already shown in the drawings. However these area shall be as per final architectural drawings approved by IISER Tirupati. 4th floor drawing and 2nd floor drawings are same.
31		Can we establish Captive Ready Mix Concrete Plant at Site or Self Loading Mixers by providing the Design Mix and supportive batching reports?		Fully automatic RMC plant as per tender conditions to be established at site.

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32		Can we replace sand (fine aggregate) with M-sand?		Crush/Machine sand meeting the grading requirements shall be allowed only for RMC works. For all other items river sand shall be used.
33		Who to contact for site visit? Is the site clear & under possession? Boundary wall?		Mr Chaman Mehta, Assistant Registrar IISER Tirupati can be contacted on the telephone landline telephone numbers given in the bid document for deploying person to show the site.
34		Request for extension of submission of Tender by 15 Days, as the Architectural and Structural design will take time & Final quantities have to be worked out. (The vendors need time to provide the market rates for required item of work & materials)		Extended Last date of submission of bids shall be 28 10 2017 up to 15 00 hrs.
35			Kindly Confirm given rates are inclusive of GST.	The bidder shall workout the total market cost of bid after working out market rates inclusive of GST applicable for each item and then workout overall percentage above or below over estimated cost put to tender. No claims whatsoever for reasonability/justification of estimated rates put to tender in the BOQ shall be entertained by IISER. Quoted percentage by the bidder shall be inclusive of all taxes including GST.

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36		Sub Head Flooring	We request to provide basic rates for II type of granite, vitrified tiles, ceramic tiles, kota stones, marble, glazed tiles, etc as per BOQ flooring items as according to colour, texture & sizes which we presume are not finalised yet, we request you to provide us base rate for each of the aforesaid items to bring all the bidders on the same platform.	Not agreed. Technical specifications, Quality of vitrified tile and shade of granites are given in the BOQ item. No change in the BOQ items.
37			As the tender involves specialised items including MEP,PHE WORKS, WE NEED TO COLLECT QUOTES FROM THE SPECIALISED VENDORS WHICH WILL TAKE SOME TIME, so we request you to extend the tender submission date for two weeks i.e. from 21 10 2017 to 15 11 2017.	Extended Last date of submission of bids shall be 28 10 2017 up to 15 00 hrs.
38			We request you to provide contact details of the person for the site visit and understand the site geography.	Mr Chaman Mehta, Assistant Registrar IISER Tirupati can be contacted on the telephone landline telephone numbers given in the bid document for deploying person to show the site.
39			Kindly confirm that we have to submit the integrity pact in bidders letter head or non judicial stamp paper.	Integrity pact can be submitted on letter head by the bidder. Only L-I bidder has to submit the integrity pact on judicial stamp paper after acceptance of tender by IISER Tirupati.
40			Kindly clarify the role of architectural and structural designer.	Shall be as per scope of work defined in the special conditions of the contract.

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41			External façade work (Design and built) Kindly provide us the drawings and vendor details.	Technical specifications are already given in the bid document and payment shall be made as per BOQ item. Bidder to quote accordingly.
42			Factory made knock down type wardrobe & shelves - kindly provide the drawings.	Technical specifications are already given in the BOQ item and Payment shall be made as per BOQ item. Bidders are requested to quote accordingly.
43			We presume pre construction and post construction statutory approval in client scope. Environment and forest, state pollution control board, civil aviation local body kindly clarify	All statutory approval and local body approvals are in the scope of architectural and structural consultancy scope as defined under the scope of architectural consultancy in special conditions of the contract in the bid document. IISER Tirupati as owner of the property, will only forward the letters to the concerned authority for any approval. Bidders to quote their percentage over the estimated cost put to tender accordingly.
44			Bank details for payment of EMD and tender fee.	For payment of EMD and tender fee the bank account details are as given below: Name-IISER Pune Bank-State Bank of India Branch-NCL Campus Branch, Pune 411008 Current A/c No. 30042605732 IFSC- SBIN0003552
		DETAILS OF CONSTRUCTION PLANT AND EQUIPMENT		
45	page 42 Sr No 6	Transit Mixers	Qty 4 Nos	In case concrete is directly pumped from the RMC plant to the pouring location of concrete then requirement of Transit Mixers can be dispensed with
46	Page Sr No 13	Bar bending machine - qty 5 Nos		Quantity of bar bending machine stands modified to three numbers

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47	Concept floor plans - Drawings	Fourth floor plan		Fourth floor plan shall be same as 2nd floor plan already attached with the bid document.
End of MOM- In total 16 pages.				