



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

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

Main Lab Building, IISER Pune Campus, Dr. Homi Bhaba Road, Pune-411 008.

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Minutes of Prebid Meetings

Date: 16 03 2023

Name of work: CONSTRUCTION OF BALAN SCIENCE ACTIVITY CENTRE AT IISER PUNE.

NIT No.: 22/IISER/Pune/2022-23

Tender Id: 2023_IISRP_742606_1

Bidders please take note of IISER clarification of Pre-bid Minutes is enclosed herewith.

No change in other tender Conditions and date of submission of tender.

Above Pre bid MOM shall form part of tender.

Bidders are requested to take note of above Pre bid MoM and submit bid accordingly.

Pre bid MOM and its enclosures shall be made available on Institute website and e-procurement portal for bidder's reference.


Superintending Engineer
16/03/23
IISER Pune

Enclosed: As above

1. Pre-bid Minutes

Minutes of Pre-Bid Meeting 14/03/23

NAME OF WORK : CONSTRUCTION OF BALAN SCIENCE ACTIVITY CENTRE AT IISER PUNE.

NIT No: 22/IISER/Pune/2022-23

S.No.	Clause No/ Page No	Existing Clause	Bidders queries	IISER Clarification
1	NIT Clause 10 Pg. no. 15	<p>10. Bid Security/EMD; 10.1 Bid security/EMD amounting to Rs 43.50 lakh (Rs Forty Three Lakhs Fifty Thousand only) shall be deposited with IISER PUNE in any one of the following form before the last date and time fixed for submission of bid failing which the bid will be declared non responsive. a) 100% EMD amount can be deposited in IISER PUNE Bank account through net banking as detailed below. Name-IISER PUNE , Bank-State Bank of India Branch-NCL Campus Branch, PUNE 411008 , Current A/c No. 30042605732 , IFSC-SBIN0003552 b) A part of earnest money is acceptable in the form of bank guarantee also. In such case, Rs. 20 lakhs will have to be deposited (IISER Pune Bank Account) in shape prescribed above and balance RS. 23.50 lakh in shape of irrevocable Bank Guarantee from a Scheduled Bank and shall be valid 120 days from the last date of receipt of bid as per standard proforma attached. 10.2 Bid Security/EMD of unsuccessful Bidders will be returned to them within 90 days from the date of acceptance of bid of the successful Bidder. 10.3 The Bid Security may be forfeited, if a) The Bidder withdraws / modifies his Bid or any item thereof after opening of bid. b) The successful Bidder fails to submit Performance guarantee within the specified time limit. 10.4 Scanned copy of net banking transaction receipt and Bank Guarantee towards security /EMD shall be uploaded to the e-tendering website within the Period of bid submission Failing which the bid will be declared non responsive.</p>	Normally, EMD in most of the works in Government Department is 0.50% of Amount put to tender excluding GST. Hence in this case amount put to tender is Rs.33.50 crore and the EMD sought is Rs.43.50 lakh which is much more than the convention. Further it is stated at clause 13 (ii) that the EMD will be treated as part of security deposit in addition to the 2.50% SD deducted from the Bills. This is going to affect the cash flow. Therefore, this need to be amended suitably.	Tender conditions prevails.
2	NIT Clause no. 1,10, Page no. 07 NIT Para 05 on Pg no. 12	1.10 Certificate of Financial Turn over: At the time of submission of bid, contractor may upload Affidavit/ Certificate from CA mentioning Financial Turnover of last 3 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.	As per the clause no.1,10 page 7 it is stated that the Contractor may upload Certificate from CA of last 3 years mentioning financial turnover. And at page no.12 it is stated that bidder should have average turnover (Gross) 1675 lakhs considering best 3 years out of immediate last 5 years. This needs clarification. Submitted for consideration please.	Clause no. 1,10 on pg no. 07 shall be read as - "Certificate of Financial Turn over: At the time of submission of bid, contractor may upload Affidavit/ Certificate from CA mentioning Financial Turnover of last 5 years out of which best three will be considered or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet."
3	NIT Form D, Pg no. 42		Form D is prescribed for performance the content required are mentioned in the respective certificate and again obtaining certificate in prescribed form is not workable. Kindly modify suitably.	If the respective certificate available with the bidder issued by competent authority content information sought in Form D then that certificate can be considered for qualification.
4	NIT Point 29 on pg no. 24 CLAUSE- 10-CA - Pg. 86 CLAUSE- 10 CC - Pg. 88	NIT Para 29, pg no. 24 - Escalation clause is not applicable for this bid. No reimbursement shall be made for price escalation in price of material, labour and fuel during the contract period on any account statutory or otherwise. For deviated Items only tender rates shall be applicable. CLAUSE- 10-CA : (Not Applicable) CLAUSE- 10 CC : (Not Applicable)	Our Request - Considering the Time Period of the contract, we request you to make applicable an Escalation clause and also provide all the details like Percentage of Material & Labour, Basic Prices of Steel, Cement & other requisite materials etc., with all components details.	Tender conditions prevails.
5	NIT Para 1, Pg no. 12 NIT Form 'C',Pg no. 42	Bidder should have experience of having successfully completed works during the last seven years ending previous day of the last date of submission of tenders (i) 3 similar works each costing not less than Rs. 1340 lakhs or completed two similar works each costing not less than Rs 2010 Lakhs or completed one similar work costing not less than Rs 2680 lakhs Components of work executed other than those included in definition of similar work shall be deducted while calculating cost of similar work. Bidder shall submit abstract of cost of work in support of this.	Kindly elaborate the required documents regarding similar type of work.	Para 03 on pg no. 12 of NIT - Similar work means: Construction of RCC framed structure, residential or non-residential buildings, under a single composite tender consisting of Civil & MEP works. Documentary evidence is required to be produced. Form 'D' - Certificate issued as per Form D from client signed by not less than rank of Executive Engineer or equivalent.
6	NIT Clause-10B, Pg no. 84	CLAUSE-10B - Mobilization Advances: - (Not Applicable)	Kindly allow mobilization advance@ 10% of contract price.	Tender conditions prevails.
7	NIT pg no, 15	10.1.b) A part of earnest money is acceptable in the form of bank guarantee also. In such case, Rs. 20 lakhs will have to be deposited (IISER Pune Bank Account) in shape prescribed above and balance RS. 23.50 lakh in shape of irrevocable Bank Guarantee from a Scheduled Bank and shall be valid 120 days from the last date of receipt of bid as per standard proforma attached.	Please confirm the condition regarding the additional bank guarantee clause & will it be release after the completion of work	Tender conditions prevails.
8	NIT Clause no. 2 Pg no, 12	Joint Ventures shall not be acceptable.	For the above project we request you to allow JV.	Tender conditions prevails.
9	NIT Form H - Pg no, 48	Form H - Pg no. 48	Please elaborate the MOU format with (E&M) sub contraction for internal & external: Electrification ,Lifts ,Firefighting systems,MYAC IBMS	Please refer the Form H for Civil and MEP works
10	NIT Clause 2A, Pg no. 71 , Clause 2A, Pg no. 149/150	CLAUSE 2A : Incentive for early completion : Page 71 says "Not Applicable" & Page 149 says "Applicable"	Please clarify	Clause no. 2A shall be read as - Clause 2A, Pg no. 71 - Not applicable Clause 2A, Pg no. 149/150 - Not applicable
11	NIT Clause 19 H, Pg. no. 107	CLAUSE 19H The contractor(s) shall at his/ their own cost provide his/ their labour with a sufficient number of huts (hereinafter referred to as the camp) of the following specifications on a suitable plot of land to be approved by the Engineer-in-Charge.	Space for labor camp to be provided by IISER at free of cost within the campus	Space for labor camp will be provided by IISER at free of cost within campus subject to availability.


Superintending Engineer, IISER Pune

Registrar, IISER Pune



12	Clause no 18.11 page 13 of special condition of contract	18.11 Royalty at the prevalent rates shall have to be paid by the contractor (Rates of Seigniorage fee enclosed in the document is for guidance only and no claims shall be entertained on account of this) on all the boulders, stone aggregate, brick aggregate, shingle, coarse or fine sand, earth, gravel, bajri etc. collected by him for the execution of the work, directly to the Revenue Authority or authorized agent of the State Government concerned or Central Government. Royalty at the prevalent rates shall be paid by the contractor or the RMC supplier as per the terms of supply between them, on all materials such as stone aggregate, coarse or fine sand etc. collected by him for the execution of the work, directly to the revenue authority of the State Government concerned. Further, contractor needs to submit proof of submission of full royalty to the State Government or local authority. Nothing extra shall be payable on this account.	Please confirm that estimated cost put to tender is also excluding Royalty charges	All rates are including Royalty charges wherever applicable. Therefore bidder shall quote rates including royalty if applicable. Nothing extra shall be payable on this account.
13	Special Condition Clause no. 39, Pg no. 27	39. INSURANCE POLICIES	Please confirm, is there any compulsion to issue (CAR) policy from any particular Insurance company.	Tender conditions prevails. Please refer Clause 39 of Special Conditions
14	(NIT pg no. 149) Special conditions Clause 34, Pg no. 23	Reference to General Conditions of contract.- (NIT pg no. 149) (iv) Security Deposit : 5 % of RA bill value till final bill value. (v) Defect Liability Period : 24 Months (From the Date of Completion issued by Engineer-in-Charge) 34. DEFECT LIABILITY PERIOD (REFUND OF SECURITY DEPOSIT) : 34.1 The defect liability / maintenance period shall be 36 months after the date of completion of work for this contract agreement. The Security Deposit shall be released after the defect liability period of 36 months after completion of work and for this, the contractor shall have to produce a certificate stating that no defects are pending for rectification from the Engineer-in-charge, but subject to other provisions specified elsewhere in the contract agreement.	Kindly elaborate us regarding the security deposit deduction from bill and after successful completion of work & when it will get release.	Reference to General Conditions of contract.- (NIT pg no. 149) (iv) Security Deposit : 5 % of RA bill value till final bill value. (v) Defect Liability Period : 24 Months (From the Date of successful Completion issued by Engineer-in-Charge) Clause 34.1 shall be read as "The defect liability shall be 24 months after the date of completion of work for this contract agreement. The Security Deposit shall be released after the defect liability period of 24 months after completion of work and for this, the contractor shall have to produce a certificate stating that no defects are pending for rectification from the Engineer-in-charge."
15	Special Conditions Clause 1.8.2, Pg no. 51	Coarse sand should be obtained from sand quarries of nearby rivers, approved by the IISER PUNE of Mines, Govt. of A.P. and as per direction of the Engineer in charge. Sand to be used for cement concrete work i/c RCC, mortar for masonry and plaster work shall be of standard quality and screened as required. It shall be clean sand.	Please allow 100% good quality VSI sand as per MORTH specification. Since there is paucity of river sand & is banned by environmental dept. we request you to give permission for use of 100% crushsand.	Tender conditions prevails.
16	Clause 12 of Special condition, pg no. 8/9	12. Temporary Water, Electricity & Telephone Connections:	Is it possible to have sub-meter arrangement with IISER	Tender conditions prevails. Please refer clause 12 of Special condition pg. 8/9
17	Special Condition 12.3, Pg.no. 9	12.3 Arrangement of temporary telephone connection, water and electricity required by Contractor, shall be made by him at his own cost and also necessary permissions shall be obtained by him directly from concerned authorities, under intimation to the IISER PUNE. Also, all initial cost and running charges, and security deposit, if any, in this regard shall be borne by him. The Contractor shall abide by all the rules/ bye laws applicable in this regard and he shall be solely responsible for any penalty on account of violation of any of the rules / byelaws in this regard. Nothing extra shall be payable on this account. The Contractor has to make arrangement for separate metered electricity connection for labour camp from MSEDCL. For Construction site, electricity connection will be provided by IISER, Pune, however, Contractor has to make necessary arrangement for the electricity connection from the source provided by IISER, Pune. However, recovery towards energy charges will be made through running account bills at the rate of 0.25% percentage of respective RA Bill Value.	Please provide electricity supply to labor camp also	Tender conditions prevails.
18	Special Condition 13, Pg.no. 10	Special Condition 13 Architectural and structural Drawings:	Please issue four copies of Architectural , Structural drawings, MEP drawings.	IISER shall issue one copy of each drawing.
19	Special Condition 43, Pg.no. 28	Special Condition 43 The contractor shall coordinate and facilitate IISER PUNE for obtaining occupation certificate/completion certificate from local bodies if required including getting the required site visits conducted by such authorities with a view to obtain the same.	OCCUPATION CERTIFICATE: This is to be obtained by liaising architects/ owner contractor has no role for this	The bidder shall obtain NoC from Pune Municipal Corporation/ Local Authority required for Occupancy Certificate
20	Special Condition 41, Pg. no. 27/28	41. LOCAL BYE-LAWS: 41.1 The building work shall be carried out in the manner complying in all respects with the requirements of relevant bye-laws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra shall be paid on this account. 41.2 Some restrictions may be imposed by the local police etc. on the working time and for movement of labour, materials etc. the contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account. 41.3 The contractor shall not stack building material/ malba on the road or on the land owned by any other authority, as the case may be. In case, the Contractor is found stacking the building material/ malba as stated above, he shall be liable to pay the stacking charges as may be levied by local body or authority and also to face penal action as per the rules, regulations and bye-laws of the said body or authority. The Engineer-in-Charge shall be at liberty to recover the sums due but not paid to the concerned authorities on the above counts from any sums due to the contractor including amount of the Security Deposit or Retention Money in respect of this contract or any other contract.	Contractor shall not be kept responsible for obtaining building permits from local authorities such as commencement certificate, plinth checking certificate	Please refer Clause 41 on pg no. 27/28 of Special conditions.


Superintending Engineer, IISER Pune


16/11/23.
Registrar, IISER Pune



21	Special conditions Clause 27.5, pg no. 18	27.5 Contractor has to follow the security requirement of the campus and obtain necessary entry passes for the labour and vehicles and follow security checks at entry / exit gates, restriction on movement of vehicle, restricted timings of working etc. The IISER PUNE however shall assist the contractor in obtaining such passes for movement of vehicles and labour. No claim whatsoever shall be entertained on account of delay in entry of vehicles and labour including restrictions in working hours, if there is any.	Is it possible from Baner Road side gate	Yes, entry from Baner road side gate can be permitted. Subject to clearance from IISER security authorities.
22	Special conditions Pg. No. 44	Site Barricading	Please specify the requirement if any & specifications, methodology for erection	Please refer - "Special conditions for green building Tender conditions prevails."
23	pg no. 358 of Particular Specifications	Special Condition to the contractor. Pg no. 358, particular specification.	Please confirm proof checking of RCC drawing from (COEP/VJIT) is in scope of RCC designer of contractor & is it compulsory of proof checking.	Not in Scope of bidder. Please refer Pg no. 358 of particular specification.
24	List of Approved make, Pg no. 429 of particular specification	List of Approved make, Pg no. 429 of particular specification HYSD (TMT) Bars - a. TATA TISCON b. SAIL c. RINL d. JINDAL	We request you to allow use with the other brand in reinforcement steel like Jindal Kalika/ UMA as it is easily available in market & to have uninterrupted supply.	Tender conditions prevails.
25			As per site condition if tree cutting is to be done let us know the status of permission for the same.	Permission available.
26			Please let us know the status of land acquisition & fund allocated for the project financial year wise. Whether the land required for the execution of work is 100% site available for the work? Please confirm.	Tender conditions prevails.
27			Basic rates of cement and reinforcement steel to be provided	Tender conditions prevails.
28			Is GGBS usage permitted, if yes to what extent?	No. Tender conditions prevails.
29			Fire Section: No electrical driven jockey pump, fire pump, sprinkler pump not mentioned. Also, diesel driven pumps for back up to be confirmed.	All Fire lines to be connected to existing system.
30			PHE: UG tank pumproom not shown in drawing	Not required
31		Basic rates of Steel, Cement & PT Material	IISER is requested to provide basic rates of these materials	Tender conditions prevails.
32			PHE: Is borewell water being used?	No
33	BOQ item no. 492	BOQ item 492 2Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :5 NB. - Heavy Class	Pipe dia 5 NB not clear?	BOQ item no. 492 shall be read as - "Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :25 NB. -Heavy Class"
34	BOQ item no. 558	BOQ item 558 Supply and installation of storm water fibre reinforced chamber cover. Newdrain cover shall be made-up of uniform and solid fibre reinforced plastic of thickness 40 mm. Size of chamber cover shall be suitable to opening.Drain cover shall have suitable for motarable traffic capacity LD Type without deflection. Perforations shall be provided as per requirements without additional cost. FRP cover design shall be as approved by Engineer In-charge . Actual area of frp chamber cover fixed at site shall be measured for payments. For proper levelling with chamber cover frame chamber cover shall be supported with suitable thickness MS flat around the chamber with screws. Sample chamber shall be approved before mass production.	1. Item description not clear. 2. Unit in Square meter? 3. Cover LD type to be confirmed To be clarified	Item description is self explanatory and clear. The chamber cover to be provided as per approval of Engineer in charge. Tender conditions prevails.
35	BOQ item no. 197	BOQ item: 197 Supply, installation, testing & commissioning of Woltmann Type Bulk Water meter (Up to 50Deg/C) Removable mechanism type, magnetically coupled, having dry dial, hermetically sealed totaliser, retrofittable for pulse output and conforming to ISO 4064 Class-B with Pulse wire and AMR(automatic meter reader) control box having Wi-fi module. 50mm dia	PHE: In Plumbing B. O. Q. also no water transfer pumps are specified, Neither for Domestic Water nor for Flushing water. Please clarifywhether separate pumps are to be provided. This is because two separate water meters are to beprovided.(50 mm & 65 mm)	All water supply lines to be connected to existing system.
36	BOQ item no. 198	BOQ item: 198 Supply, installation, testing & commissioning of Woltmann Type Bulk Water meter (Up to 50Deg/C) Removable mechanism type, magnetically coupled, having dry dial, hermetically sealed totaliser, retrofittable for pulse output and conforming to ISO 4064 Class-B with Pulse wire and AMR(automatic meter reader) control box having Wi-fi module. 65mm dia	PHE: In Plumbing B. O. Q. also no water transfer pumps are specified, Neither for Domestic Water nor for Flushing water. Please clarifywhether separate pumps are to be provided. This is because two separate water meters are to beprovided.(50 mm & 65 mm)	All water supply lines to be connected to existing system.

37	BOQ item no. 207	BOQ item: 207 Making connection to the External water supply, works including necessary pipes, fittings, and cutting the main road/landscaped area, chamber wall and making good the road after connection.	Is liaising with local body to be considered?	No. The bidder shall obtain NoC from Pune Municipal Corporation/ Local Authority required for Occupancy Certificate.
38	BOQ item no. 217	BOQ item: 217 EXTERNAL DRAINAGE -Making connection to the External main sewer, works including necessary pipes, fittings, and cutting the main road/landscaped area, chamber wall and making good the road after connection.	Is liaising with local body to be considered?	No. The bidder shall obtain NoC from Pune Municipal Corporation/ Local Authority required for Occupancy Certificate
39	BOQ item no. 142	BOQ item: 142 SANITARYWARE AND CP FITTINGS - Supplying, installing, testing and commissioning of approved make white color floor mounted European Water closet with polymer cistern with 'S' trap, seat cover, CI chair bracket / fisher bolt, pan connector, etc. complete. Cost including conveyance of all materials to the site, all labour charges, all taxes etc., complete. All Parryware items like wall brackets, bolts washers, screws & brackets to be painted with two coats of enamel paint of approved shade over a coat of primer and necessary screws, etc. Complete. Works including cutting and making rough finishing the walls and floors wherever required, checked by the site engineer. All works done as per the drawing, as directed by site engineers. For common toilets. For VIP and auditorium toilets Basic Rate of EWC - Rs. 4000/- per nos (without GST)As per approved make list	Please clarify whether Cistern is with single or dual flush? Is angle cock and inlet connected pipe is included in the basic cost.	BOQ item no. 142 shall be read as - "SANITARYWARE AND CP FITTINGS - Supplying, installing, testing and commissioning of approved make white color floor mounted European Water closet with polymer cistern with 'S' trap, seat cover, CI chair bracket / fisher bolt, pan connector, etc. complete. Cost including conveyance of all materials to the site, all labour charges, all taxes etc., complete. All Parryware items like wall brackets, bolts washers, screws & brackets to be painted with two coats of enamel paint of approved shade over a coat of primer and necessary screws, etc. complete. Works including cutting and making rough finishing the walls and floors wherever required, checked by the site engineer. All works done as per the drawing, as directed by site engineers. For common toilets. For VIP and auditorium toilets Basic Rate of EWC - Rs. 4000/- per nos (without GST)As per approved make list Cistern will be dual flush. Basic Rate includes cost of EWC only. However, seat cover, brackets, angle cock, inlet connected pipe and other accessories are considered in the rate of entire item.
40	BOQ item no. 169	BOQ item: 169 Supplying, fixing and testing of Floor Clean Out which are provided in floors slab as per the following specification. Material: Stainless steel Size: 150 X 150 mm Square floor plate with push fit. Duty: Heavy duty clean out plate with screws. Marking, fixing, testing, commissioning and filling the caps around the cover. Installation: As per the consultant approved drawing. 110 mm	Please clarify whether Floor Clean Out is with Square floor plate with push fit means Nahani trap grating (jali)	Floor trap with SS grating as approved by Engineer in charge
41	BOQ item no. 310	Supplying and fixing stepped type 4 to 5 electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Fan Regulator Type to be mentioned.	It shall be read as - Supplying and fixing stepped type 4 to 5 (step) electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.
42	BOQ item no. 318	BOQ item: 318 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	GI Boxes Heavy duty, Medium duty or Light duty to be clarified	BOQ item - 318 shall be read as - "Supplying and fixing suitable size GI box medium duty with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings)."
43	BOQ item no. 325	BOQ item: 325 Supplying and fixing following way surface/ recess mounting vertical type TPN MCCB distribution board of sheet steel, dust protected, duly powder painted inclusive of 200A amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's. (But without MCB/ RCCB/ Isolator). (Note : Prewired vertical type MCBTPDB is normally used where 3 phase outlets are required.) 6 way VTPN	Please confirm either surface or recess type as both types are mentioned and have different costing	Mostly Recess/concealed.
44	BOQ item no. 326	BOQ item: 326 Supplying and fixing following Horizontal type three pole and neutral, sheet steel, MCB distribution board of steel sheet for 415 volts on surface/ recess complete with tinned copper busbar, neutral bus bar, earth busbar, din bar, interconnections powder painted including earthing etc. as required (But without MCB/ RCCB/ Isolator) 8 way (4 + 24), Double door	Whether Surface mounting or Concealed type? Please clarify	Mostly Recess/concealed.
45	BOQ item no. 327	BOQ item: 327 Supplying and fixing following way surface/ recess mounting vertical type TPN MCCB distribution board of sheet steel, dust protected, duly powder painted inclusive of 200A amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's. (But without MCB/ RCCB/ Isolator). (Note : Prewired vertical type MCBTPDB is normally used where 3 phase outlets are required.) 6 way VTPN	Whether Surface mounting or Concealed type? Please clarify	Mostly Recess/concealed.
46	BOQ item no. 329	BOQ item: 329 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	All MCB, MCCB, RCCB KA/mA RATING Should be mention as mention in ITEM NO 334	It shall be read as - Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve (10 kA), miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole

