

क्रमांक :- एफ.27(333)/ई-5/2017-18/ 19481

दिनांक :- 8/12/17

-: अल्पकालीन ई-निविदा सूचना संख्या 02/2017-18 :-

राजस्थान के राज्यपाल महोदय की ओर से अधोहस्ताक्षरकर्ता द्वारा रोबोटिक्स लेब एवं 3 डी प्रिन्टिंग प्रयोगशाला हेतु उपकरण इत्यादि की आपूर्ति करने के लिए निर्धारित प्रपत्र में बोनाफाईड विनिर्माता/थोक विक्रेता/सोल वितरक/निर्माता/प्राधिकृत डीलर/ डीलर/सोल विक्रय/ विपणन एजेन्ट से ई-टेंडरिंग प्रक्रिया के अंतर्गत रूपये 190.00 लाख की ऑन लाईन निविदाएँ आमंत्रित की जाती है :-

आईटम संख्या	निविदा का विवरण	अनुमानित मात्रा	अनुमानित लागत (लाखों में)	धरोहर राशि (रु)	निविदा शुल्क (अप्रतिदेय)	निविदा डाउनलोड प्रारम्भ की दिनांक व समय	निविदा अपलोड करने एवं निर्धारित शुल्क जमा करने की अन्तिम दिनांक व समय	तकनीकी निविदा खोलने की तिथी व समय
1	रोबोटिक्स प्रयोगशाला से संबंधित उपकरण	अनुसार प्रपत्र निविदा	90.00	180000	400	14.12.2017 6.00 PM	15.1.2018 6.00 P. M.	16.1.2018 11.00 A. M.
2	3 डी प्रिन्टिंग प्रयोगशाला से संबंधित उपकरण		87.00	174000	400	14.12.2017 6.00 PM	15.1.2018 6.00 P. M.	16.1.2018 11.00 A. M.
3	रोबोटिक्स एवं 3 डी प्रिन्टिंग प्रयोगशाला हेतु कॉमन उपकरण		13.00	26000	400	14.12.2017 6.00 PM	15.1.2018 6.00 P. M.	16.1.2018 11.00 A. M.
			190.00	380000				

- विभिन्न निविदाओं के संबंध में विस्तृत शर्तें एवं अन्य विवरण उपकरण के पूर्ण स्पेशिफिकेशन कार्यालय समय में वेब साईट www.dte.rajasthan.gov.in, www.dipronline.org एवं www.sppp.rajasthan.gov.in (पोस्टल अधिनियम) पर देखा जा सकता है। निविदा प्रपत्र को वेब साईट www.eproc.rajasthan.gov.in से डाउनलोड/अपलोड किया जा सकता है।
- ऑन लाईन निविदा प्रक्रिया में वे ही संवेदक भाग ले सकेंगे जिनके पास **Digital Signature Certificate** होने के साथ ही उक्त वेब साईट पर परीकृत होंगे।
- निविदा शुल्क व धरोहर राशि का पृथक पृथक डिमाण्ड ड्रॉफ्ट सहायक निदेशक, प्राविधिक शिक्षा निदेशालय राजस्थान, जोधपुर के नाम से देय होगा एवं ई-टेंडरिंग प्रक्रिया शुल्क के डिमाण्ड ड्रॉफ्ट राशि रुपये 1000/- का **M.D., R.I.S.L.** जयपुर के नाम से देय हो इस कार्यालय में निविदा खोलने के निर्धारित समय तक जमा करना अनिवार्य है। अन्यथा निविदा नहीं खोलने की पूर्ण जिम्मेवारी फर्म की होगी।
- किसी भी प्रकार के स्पष्टीकरण अथवा शुद्धिकरण की नवीनतम जानकारी हेतु निविदा प्रपत्र डाउनलोड करने वाले निविदादाता नियमित रूप से उक्त वेब साईट का अवलोकन करते रहे।
- निदेशक, सी. ई. जी., जयपुर में 20.3.2018 तक करनी होगी। अन्यथा नियमानुसार एल. डी. चार्ज की कटौति की जायेगी।
- निर्धारित तिथियों को राजकीय अवकाश होने निविदाएँ उसके अगले कार्य दिवस को उक्त निर्धारित समय पर खोली जायेगी।
- सशर्त निविदा स्वीकार नहीं होगी।
- समस्त विवादों का न्यायिक क्षेत्र जोधपुर (राजस्थान) रहेगा।
- राज्य में राजस्थान लोक उपापन पारदर्शिता अधिनियम-2012 व नियम-2013 प्रभावशील हैं। अतः निविदा पर उक्त अधिनियम व नियम के सभी प्रावधान प्रभावशील होंगे।

10. किसी भी निविदा को पूर्ण/आंशिक स्वीकार करने अथवा बिना कारण बताये अस्वीकृत करने के समस्त अधिकार विभाग के पास सुरक्षित रहेंगे। जिसके संबंध में फर्म से किसी प्रकार के प्राप्त पत्रों पर विचार नहीं किया जायेगा।
11. निविदा में दर्शाये आईटमों की मात्रा एवं आपूर्ति अवधि घटाई/बढ़ाई जाने के समस्त अधिकार विभाग के पास सुरक्षित रहेंगे। जिसके संबंध में फर्म से किसी प्रकार के प्राप्त पत्रों पर विचार नहीं किया जायेगा।
12. प्रत्येक उपकरण की दर एक ही अंकित (टेक्स/अन्य चार्जेज जोड़कर) करने में प्राथमिकता प्रदान करे।
13. निविदा के साथ दिये जाने वाले समस्त दस्तावेज पूर्ण रूप से भरे जायेंगे।
14. वेट/सीएसटी चुकता प्रमाण पत्र (31.3.2017 तक) संलग्न करें।
15. निविदा के साथ दिये जाने वाले दस्तावेजों के अनुसार पूर्ण भरे हुए एवं आवश्यकता अनुसार समस्त दस्तावेज संलग्न करें। अन्यथा निविदा खोलने के संबंध में विभाग द्वारा लिया गया निर्णय अन्तिम होगा।
16. अगर आपको क्रयादेश जारी किया जाता है तो क्रयादेश में वर्णित आपूर्ति अवधि में उपकरण इत्यादि की आपूर्ति करावें। अगर किन्ही परिस्थितियों के दृष्टिगत आप समयावधि में आपूर्ति नहीं कर सकते हैं तो आपूर्ति अवधि समाप्त होने से पहले विभाग को लिखित में सूचित करेंगे। अन्यथा संस्था प्रधान द्वारा आपूर्ति स्वीकार नहीं की जायेगी। नियमानुसार निदेशालय द्वारा आपूर्ति अवधि बढ़ाने के पश्चात् ही फर्नीचर की आपूर्ति करावें।
17. राजस्थान की लघु औद्योगिक इकाईयों जो निविदित आईटम के लिये पंजीकृत है, द्वारा **Form EM-II** उद्योग आधार मेमोरेण्डम & **Annexure-II** की प्रति प्रस्तुत करने पर धरोहर राशि अनुमानित लागत ½ % एवं निविदा शुल्क निर्धारित दर का 50 % देय होगा। इस संबंध में निविदा आईटम **EM-II** उद्योग आधार मेमोरेण्डम में सम्मिलित होने के आशय का पृथक शपथ पत्र साथ में संलग्न करना अनिवार्य होगा।
18. डाक द्वारा विलम्ब के लिये विभाग जिम्मेवार नहीं होगा।
19. क्रय किये जाने वाले उपकरण, मशीनरी, की आपूर्ति निदेशक, सी. ई. जी., राजकीय रामचन्द्र खेतान पोलिटेक्निक महाविद्यालय, जयपुर के पास, झालाना डुंगरी, जयपुर में निर्देशानुसार करनी होगी। इसके लिये अलग से भुगतान देय नहीं होगा।



निदेशक, तकनीकी शिक्षा,

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BID DOCUMENT FORM
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1. Name of item :- _____
2. Name & full address of the firm submitting the bid along with Tel. No., Fax No. & e-mail/
Mobile No.
M/s :
Full Address :
Tel. No./FAX/Mobile :
e-mail :
3. Addressed to :- **Director (Education), Directorate of Technical Education Rajasthan,
Jodhpur- 342011** (e-mail :- dte_raj@yahoo.com)
4. Reference : e-Tender Notice No...../2017-18 Dated
5. The Processing fee of Rs. 1000/-, Bid fee and Bid Security (EMD) as per tender notice has been deposited vide separate demand drafts as per enclosed scanned copies.
6. All documents required as per bid documents are enclosed.
7. Goods will be delivered within the stipulated delivery period from the date of the supply order at Jodhpur or the designated place mentioned in the work order.
8. I/ We agree to abide by all the Terms & conditions mentioned in e-Tender Notice No.- /2017-18 dated issued by the Department and also agree to further Terms & Conditions including special conditions of the said tender notice given in the attached sheets (all the pages of which has been signed with stamp by me/ us in token of my/our acceptance of the terms & condition mentioned therein) If any page of the tender document is inadvertently left without seal and signature, it will be deemed as signed and sealed.

**SIGNATURE OF THE BIDDER
WITH SEAL AND DESIGNATION**

* The words bid or tender and bidder or tenderer where ever mentioned in attached documents are synonyms and having same meaning.

GOVERNMENT OF RAJASTHAN
DIRECTORATE OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR

Instruction to Bidders for Online Bidding (e-Tendering)

Information to be disseminated to prospective bidder regarding on line Bidding.

1.	The Bid document can be downloaded from web site http://eproc.rajasthan.gov.in & submitted online in electronic format on same web site.
2.	Office address :- Director (Education), Directorate of Technical Education Rajasthan, Jodhpur-342011 Phone- 0291-2434271 Fax- 2430398 e-mail ID: dte_raj@yahoo.com
3.	To participate in online Bids, Bidders will have to possess Digital Signature Certificate (type II or type III) as per information Technology Act-2000 using which they can sign their electronic bids, Bidder can procure the same from any CC approved certifying agency, i.e. TCS safecrypt, Ncode etc. or they may contact e-procurement Cell Department of It & C, Government of Rajasthan for further assistance: Bidder who already have a valid Digital Certificate need not required to procure a new Digital Certificate. Contact No. : 0141-4022688 (Help desk 10 am to 6 pm on all working days) E mail: eproc@rajasthan.gov.in Address: e-Procurement Cell, RISL, Yojna Bhawan, Tilak Marg, C-Scheme, Jaipur.
4.	Before electronically submitting the Bid, it should be ensured that all Bid papers including conditions of contract etc. are digitally signed by the Bidder and filled up as per the Bid Guidelines.
5.	Training for the bidders on the usage of e-tendering System is also being arranged by RISL on regular basis. Bidders interested for training may contact e-Procurement Cell, RISL for booking the training slot.
6.	Bidders are also advised to refer “Bidders mannul” available under “Downloads” section for further details about the e-tendering process.
7.	RISL Processing fees is Rs. 1000.00[in addition to Bid form Fees & Bid Security (EMD)] which are as per e-tender notice (refer circular no. 19/2011 dated 30.09.2011)
8.	Bid security (Earnest Money) and Bid fees (in the form of Bankers Cheque/ demand draft in favour of Assistant Director, Directorate of Technical Education Rajasthan, Jodhpur payable at Jodhpur) and processing fees (by way of Demand draft in favour of MD, RISL, Jaipur payable at Jaipur) to be submitted physically at the office of undersigned up to the stipulated time & date of opening of Technical Bid, failing which the e-tender will not be admitted.
9.	The following documents must be attached with Technical Bid (First Cover in pdf) failing which Bid is liable to be rejected. <ol style="list-style-type: none"> a. Scanned copies of BC/DD’s of Bid fee, Processing fee & Bid security (EMD). b. Scanned copies of Bid document form along with Conditions of tender (SR-16) & Special Terms & Conditions duly signed and sealed. c. G.S.T. registration certificate and G.S.T. declaration (as per Annexure F) . d. Instructions to bidders document duly signed & sealed by the bidder e. Scanned copy of Power of attorney for authorised signatory to sign the tender document. f. All the technical specification and details of the tendered item and technical specification in tabular form must be submitted as indicated at Annexure - H g. Price charging certificate as per (Annexure G). h. Declaration by the tenderer (SR 11). Annexure -E i. Scanned copy of PAN card. j. Annexure A, B, C & D duly signed with seal. <p style="text-align: center;">Signature of bidder with seal</p>

	<p>k. Scanned copy of form Entrepreneurial Memorandum Part-II/ Udyog Aadhar and Annexure –I to avail benefit of EMD at reduced rate for SSI unit(If required). A separate affidavit (Annexure-K) in support for inclusion of all tendered items in the Entrepreneurial Memorandum Part-II/Udyog Aadhar issued by Industries Department must be submitted along with the bid .</p> <p>l. Prescribed check list</p> <p>m. Format of RTGS/NEFT as per Annexure –J</p> <p>n. Any other documents which the bidder wants to submit and/ or any document as per tender.</p> <p>o. Certificate of Annual Turnover from Chartered Accountant.</p> <p>p. Authorisation certificate in Annexure-L (if applicable)</p> <p><u>Note: The bidder must upload scanned copies of all the originally down loaded documents (Duly filled and seal-signed) of this tender only.</u></p> <p>Second cover (Financial/Price bid/BOQ-xls) should contain details of price quoted in BOQ.</p> <p>In absence of the above or wrongly placing the required documents in any other cover or not mentioning the desired information at the specified place/ column, the bid may not be considered and will be rejected. The provisions of RTPP Rules 2013 & RTPP Act 2012 will prevail in this regard.</p>
10.	Incomplete & conditional Bid in any respect will be rejected without any information.
11.	The Director (Education), Directorate of Technical Education Rajasthan, Jodhpur has reserve the right to reject all/ any part of Bid received from the firms/ Bidders without assigned any reason thereof.

Director (Education)

I/we have carefully read and understood above instruction

Signature of bidder with seal

SPECIAL CONDITIONS OF TENDER

01. The bidders are requested to submit their bids prior to last date of submission to avoid Non-submission of their bids up to prescribed date due to non-availability of / hanging of website at last moments. The date of submission of bids will not be extended if system is hang up in last hours or congestion.
02. In case, the date fixed for opening of the tenders be declared as a public holiday, the bid shall be opened on the next date on which office re-opens after such holiday(s).
03. Physical submission of bids is not allowed.
04. Tenders shall be valid for a minimum period of **90 days** after the date of opening of tender. Tender mentioning a shorter validity period than specified are likely to be rejected.
05. The bidders who are interested in bidding can download tender documents from **www.eproc.rajasthan.gov.in** up to the stipulated date & time.
06. The bids will have to be Digitally signed by the bidder and submitted online in two covers in electronic format only on website **www.eproc.rajasthan.gov.in**
07. Furnishing of tender offer shall be strictly in the manner as prescribed in Instructions to bidder and terms & conditions of tender, failing which the tender is liable for rejection.
08. The following documents are to be uploaded in **Two covers** of the bid

(A) TECHNICAL BID (First cover-pdf) :

- a. Scanned copies of BC/DD's of Bid fee, Processing fee & Bid security (EMD).
- b. Scanned copies of Bid document form along with Conditions of tender (SR-16) & Special Terms & Conditions duly signed and sealed.
- c. G.S.T. registration certificate and G.S.T. declaration (as per Annexure F) .
- d. Instructions to bidders document duly signed & sealed by the bidder
- e. Scanned copy of Power of attorney for authorised signatory to sign the tender document.
- f. All the technical specification and details of the tendered item and technical specification in tabular form must be submitted as indicated at Annexure - H
- g. Price charging certificate as per (Annexure G).
- h. Declaration by the tenderer (SR 11). (Annexure E).
- i. Scanned copy of PAN card.
- j. Annexure A, B, C & D duly signed with seal.
- k. Scanned copy of form Entrepreneurial Memorandum Part-II/Udhyog Adhar and Annexure -I to avail benefit of EMD at reduced rate for SSI unit(If required). **A separate affidavit (Annexure-K) in support for inclusion of all tendered items in the Entrepreneurial Memorandum Part-II /Udyog Aadhar issued by Industries Department must be submitted along with the bid. (Format attached at annexure-K)**
- l. Prescribed check list

Signature of tenderer with seal

- m. Format of RTGS/NEFT as per Annexure -J
- n. Any other documents which the bidder wants to submit and/ or any document as per tender.
- o. Certificate of Annual Turnover from Chartered Accountant.
- p. Authorisation certificate in Annexure-L (if applicable)

Note: The bidder must upload scanned copies of all the originally down loaded documents (Duly filled and seal-signed) of this tender only.

In absence of the above or wrongly placing the required documents in any other cover or not mentioning the desired information at the specified place/ column, the bid may not be considered and will be rejected. The provisions of RTPP Rules 2013 & RTPP Act 2012 will prevail in this regard.

(B) FINANCIAL BID (Second cover-xls) :

It should contain details of price quoted in BOQ.

Note:- The Financial bid of only Technically qualified bidders will be opened. The date of opening of financial bid will be displayed on www.eproc.rajasthan.gov.in .

- 09. The tenderers shall quote F.O.R. destination prices only. indicating the Freight inclusive of unloading and stacking and Insurance charges in Financial/Price Bid/BOQ. They will also indicate the prevailing rates of G.S.T (whether inclusive or exclusive) in the quoted prices. If the Financial/Price Bid/BOQ is not filled completely, the offer is likely to be ignored.
- 10. Material/Equipment on order shall be required to be dispatched on "Freight paid basis".
- 11. Before electronically submitting the tenders, it should be ensured that all tender documents enlisted above including conditions of contract are signed & sealed on each & every page by the authorized representative of the firm after filling requisite information/details desired in the specification & Qualifying Requirement.
- 12. The complete set of documents must be then furnished **duly digitally signed through DSC of bidders company** and submitted on www.eproc.rajasthan.gov.in in time as per **checklist** provided with the tender document . The checklist along with relevant page nos. shall also be submitted with the tender.
- 13. All tenders, in which any of the prescribed conditions are not fulfilled or which have been vitiated by errors in calculations, totaling or other discrepancies or which contain over writing in figures or words or corrections not initialed and dated, may be liable to rejection.
- 14. Payment shall be made to supplier/contractor through RTGS/NEFT for quick and safe transfer of funds across the country. The charges for transfer through RTGS/NEFT shall be on the part of supplier/ contractor. The supplier/ contractor shall furnish particulars to the payment making authorities of DTE in prescribed format to be provided by the purchaser. **(Annexure- J)**
- 15. No conditional tenders shall be accepted and will be rejected summarily forthwith.
- 16. The DTE reserves the right to cancel the tender at any time without assigning any reasons. The DTE does not bind himself to accept the lowest or any tender or any part of the tender and shall not assign any reason(s) for the rejection of any tender or a part thereof.

Signature of tenderer with seal

17. No refund of tender fee is claimable for tenders not accepted or forms not submitted.
18. Payment of Bill will be made by **Director (Education), Technical Education, Jodhpur** after the receipt of material and found to entire satisfaction and as per specification and good conditions mentioned there in supply order.
19. The supply will be accepted only on working day in the office working hours.
20. The Tenderer would provide Guarantee for an appropriate period from the date of delivery of the said goods in good conditions. During Course of Guarantee period, the items will have to got repaired/replaced FREE OF COST at Concerning Institute.
21. Quantity of items can be increased/decreased/cancelled. Department is competent to accept/refuse the Tender/Tenders without quoting any reason thereof.
22. **The Samples where ever mentioned in technical specification (Annexure-H) must be submitted in this Directorate alongwith physical submission of D.D. of EMD.**
23. **The Scanned copies of Catalogue/Literature and/or Authorisation Certificate (Duly seal-signed by the bidder) where ever demanded in technical specification (Annexure-H) must be uploaded alongwith the bid otherwise concerned items will not be considered for technical evaluation.**
24. **The Average Annual Turnover of the bidder for last three financial years (2014-15 to 2016-17) or any year of the last three year will be minimum Two times of the tender cost as per NIT but minimum Turnover of the bidder must be more than Rs. 20.00 Lacs. A certificate issued by the Chartered Accountant (Showing the Annual Turnover of last three years) with their Signature, Registration No. & Seal must be submitted along with the bid.**
25. **All applicable statutory deductions regarding GST, income tax etc. are to be made from the suppliers bill.**
26. All other Terms and conditions shall be as specified in the Rajasthan Transparency in Public Procurement Act, 2012, Rajasthan Transparency in Public Procurement Rule, 2013 and will prevail.

Enclosed : As Above

**Join. Director/Assistant Director
for DIRECTOR (EDUCATION)
TECHNICAL EDUCATION RAJASTHAN
JODHPUR**

Signature of tenderer with seal

GOVERNMENT OF RAJASTHAN
DIRECTORATE OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
W-6, GAURAV PATH, JODHPUR. Phone- 0291-2434271 Fax- 2430398
Visit us: www.dte.rajasthan.gov.in e-mail ID: dte_raj@yahoo.com

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"CONDITIONS OF TENDER AND CONTRACT FOR OPEN TENDER"

Note : Tenderers should read these conditions carefully and comply strictly while sending their tenders.

1. Tenders are hereby invited in e-tender system for purchase of
Tenders are to be submitted online in electronic format on website <http://eproc.rajasthan.gov.in>. The tender document/specification can be downloaded from above mentioned website
- 1.1 **"Tenders by Bonafide Dealers"** :- Tenders shall be given only by Bonafide Dealers in the goods. They shall therefore, furnish a declaration in the S.R. form 11. (Copy enclosed).
- 2.1 Any change in the constitution of the firm, etc. shall be notified forthwith by the contractor in writing to the purchase officer and such charge shall not relieve any former member of the firm, etc. from any liability under the contract.
- 2.2 No new partner/partners shall be accepted in the firm by the contractor in respect of the contract unless he/they agree to abide by all its terms, conditions and deposit with the purchase officer a written agreement to this effect. The contractors receipt for acknowledgement or that of any partners subsequently accepted as above shall bind all of them and will be sufficient discharge for any of the purpose of the contract.
3. **G.S.T. REGISTRATION:** No Dealer who is not registered under the **G.S.T.** Act prevalent in the state where his business is located shall tender. The **G.S.T.** registration number should be quoted & self attested copy of **G.S.T.** Registration should be enclosed with tender.
4. Tenderer will have to submit copy of PAN CARD duly attested by the Tenderer without which tender may not be considered.
5. Tender forms shall be filled in ink or typed. No Tender filled in pencil shall be considered. The Tenderer shall sign the Tender form at each page and at the end including amendment sheet enclosed in token of acceptance of all the terms and conditions of the tender.
6. Rate shall be written both in Words and Figures. There should not be errors and or over writing. Correction if any, should be made clearly and initialed with dates. The Rates should mention element of the G.S.T. separately.
7. All Rates quoted must be F.O.R. Destination and should include all incidental charges except octroi. G.S.T., which should be shown separately. In case of Local supplies the rates should include all taxes etc. and no cartage of Transportation charges will be paid by the Government and the delivery of the goods shall be given at the premises of purchase officer/F.O.R. Destination Stores as mention in tender Document. Goods to be purchased are for the purpose of official use. Hence, octroi is not payable. The rates, therefore, should be exclusive of octroi and local tax. In case goods to be purchased are for the purpose of resale or use as manufacture of any goods for sale. the Rates shall inclusive of octroi and local tax. In the former case a certificate in the prescribed form will be furnished along with the supply order.

Signature of tenderer with seal

8. **COMPARISON OF RATES** : Due to applicability of G.S.T. in place of V.A.T. the comparison of rates between firms of Rajasthan & out of Rajasthan will be made as per applicable rules (if any) made by the State Government up to the date of opening of financial Bid.
9. **PRICE PREFERENCE** : Price preference will be given to the goods produced or manufactured by industries of Rajasthan over goods produced or manufactured by industries outside Rajasthan as per purchase of stores (as per Finance Department Notification no. F1 (8)/FD/GF&AR/2011 dated 19.11.2015 or as per any amendment made by the State Government there after) Rules.
- 9.1 Preference to Local Industries Registered with the Director of Industries. Rajasthan, Jaipur over the Tendering Units, outside the State of Rajasthan as per the policy approved by the government will be operative.
- 9.2 Under the different situations between local tendering unit of S.S.I. Rajasthan and outside the State of Rajasthan the policy as laid down by the Government will be operative & rule amended up to date shall be applicable. (Amended vide Finance Department Order No. F-15 (1) FD/CSPO/9608/2000 Date 21/03/2000).
10. **VALIDITY** : Tenders shall be valid for a period of **90 days** from the date of opening of Tender.
11. The approved supplier shall be deemed to have carefully examined the conditions, specifications, size, Make and drawings, etc. of the goods to be supplied. If he has any doubts as to the meaning of any portion of these conditions or of the specifications, drawing, etc. he shall before signing the contract, refer the same to the purchase officer and get clarification
12. The contractor shall not assign or sublet his contract or any substantial part there of to any other agency.
- 13.1 **SPECIFICATIONS** : All article supplied shall which strictly confirm to specifications. Trade mark laid down in the Tender form and wherever articles have been required according to ISI specifications. Those articles should confirm strictly to those specification and should bear such marks.
- 13.2 The supply of articles marked with a struck/at serial number shall in addition, confirm strictly to the approved samples. The supply shall be of the very best quality and description. The decision of the confirm to the specification and are in accordance with the samples. If any, shall be final and binding on the tenderers.
- 14.1 **WARRANTY/GUARANTEE CLAUSE** : The Tenderer would give guarantee that the goods/stores/ articles would continuous to confirm to the description and quality as specified for a minimum period of **12 Months** from the date of delivery of the said goods/ stores/articles to be purchased and that not with standing the fact that the purchaser may have inspected and/or approved the said good/stores if during the aforesaid period of 12 months. The said goods/stores/articles to discovered to confirm to the description and quality aforesaid or have determined (and the decision of the purchase officer in that behalf will be final and conclusive). The purchaser will be entitled to reject the said goods/stores/articles or such portion there of as may be discovered not to confirm to the said description and quality, on such rejection the goods/articles/stores will be at the seller's risk and all the provision relating to rejection of goods. etc. shall apply. The tenderer shall if so called upon to do replace the goods, etc.

Signature of tenderer with seal

or such portion there of as is rejection by the purchase officer, otherwise the tenderer shall pay such damage as may arise by reason of the breach of the condition here in contained. Nothing here in contained shall prejudice any other right of the purchase officer in that behalf under this or otherwise.

- 14.2 In case of machinery and equipment also guarantee will be given as mentioned in clause (i) above and the tenderer shall during the guarantee period replace the parts if any remove any manufacturing defect if found during the above period so as to make machinery and equipment operative. The Tenderer shall also replace machinery and equipments in case it is found defective which cannot be put to operations due to manufacturing defect etc.
- 14.3 In case of machinery and equipment specified by the purchase, officer the tenderer shall be responsible for carrying out annual maintenance and repairs on the terms and conditions as may be agreed. The Tenderer shall also be responsible to ensure adequate regular supply of spare parts needed for as specific type of machinery and equipments whether under their annual maintenance and repairs rate contract or otherwise. In case of change of model he will give sufficient notice to the purchase officer who may like to purchase spare parts from them to maintain, the machinery and equipment in perfect condition.
- 15.1 INSPECTION:** The purchase officer or his duly authorized representative shall at all reasonable time have access to the suppliers premises and shall have the power at all reasonable time to inspect and examine the material and workmanship of the goods/equipments/machineries during manufacturing process or afterwards as may be decided.
- 15.2 The tenderer shall furnish complete address of the premises of his office, godown and workshop where inspection can be made together with name and address of the person who is to be contacted for the purpose. In case of those dealers who have newly entered in business a letter of introduction from their bankers will be necessary.
- 16. SAMPLES:** Tender for articles marked within the schedule shall be accompanied by two set of samples of the articles tendered properly packed. Such samples if submitted personally will be received in the office. A receipt will be given for each samples by the officer receiving the samples. Samples if sent by train, etc. should be dispatch freight paid and the R.R. or G.R. should be sent under a separate registered cover. Samples for catering food items should be given in a plastic box or in polythene bags at the cost of the tenderer.
17. Each samples shall be marked suitable either by written on the sample or on a slip or durable paper securely, fastened to the sample the name of the tenderer and serial number of the item, of which it is a sample in the schedule.
18. Approved samples would be retained free of cost up to the period of six month after the expiry of the contract. The government shall not be responsible for any damage, wear and tear or loss during testing, examination etc. during the period these samples are retained. The samples shall be collected by the tenderer on the expiry of the stipulated period. The Government shall in no way make arrangements to return the samples. The samples uncollected within 9 months after expiry of contract shall be forfeited by the government and no claim for their cost etc. shall be entertained.
19. Samples not approved shall be collected by the unsuccessful tenderers. The government will not be responsible for any damage, wear and tear or loss during testing examination etc. During the period these samples are retained. The uncollected samples shall be forfeited and no claim for their cost etc. shall be entertained.

Signature of tenderer with seal

20. Supplies when received shall be subject to inspection to ensure whether they confirm to the specifications or with the approved samples. Where necessary or prescribed or practical, tests shall be carried out in government laboratories, reputed testing house. Like Shri Ram Testing house, New Delhi and the like another supplies will be accepted only where the articles confirm to the standard of prescribed specifications as a result of such tests.
21. **DRAWLS OF SAMPLES :** In case of tests, samples shall be drawn in four sets in the presence of tenderer or his authorized representative and properly sealed in their presence. Once such set shall be given to them, one or two will be sent to the laboratories and/or testing house and the third or fourth will be retained in the office for reference and record.
22. **TESTING CHARGES :** Testing charges shall be borne by the Government. In case urgent testing is desired to be arranged by the tenderer or in case of test results showing that suppliers are not up to the prescribed standards or specifications, the testing charges shall be payable by the tenderer.
- 23.1 **REJECTION :** Article not approved during inspection or testing shall be rejected and will have to be replaced by the tenderer at his own cost within the time fixed by the purchase officer.
- 23.2 If however due to exigencies of government work, such replacement either in whole or in part, is not considered feasible, the purchase officer after giving an opportunity to the tenderer of being heard shall for reasons to be recorded, deduct a suitable amount from the approved rates. The deduction so made shall be final.
24. The rejected articles shall be removed by the tenderer within **15 days** of intimation of rejection after which purchase officer shall not be responsible for any loss, shortage or damage and shall have the right to dispose of such articles as he thinks fit, at the tenderer risk and on his account.
25. The tenderer shall be responsible for the proper packing so as to avoid damage under normal condition of transport by sea, rail and road or air and delivery of the material in good condition to be consignee at destination. In the event of any loss and breakage or leakage or any shortage the tenderer shall be liable to make good such loss and shortage found at the check/inspection of the materials by the consignee. No extra cost on such account shall be admissible.
26. The contract for the supply, can be repudiated at any time by the purchase officer, if the supplies are not made to his satisfaction after giving an opportunity to the tenderer of being heard and recording of the reasons for repudiation.
27. Direct or Indirect canvassing on the part of the tenderer or his representative will be disqualification.

28.1. **DELIVERY PERIOD**

The Tenderer whose tender is accepted shall arrange supplies within a period as mentioned below from the date of supply order-

S.No.	Items	Quantity	Delivery Period
			Up to 20.3.2018

- 28.2. At the time of award of contract, the quantity of goods, works or services originally specified in the bidding documents may be increased, but such increase shall not exceed 50% of the quantity specified in the bidding documents. It shall be without any change in the unit prices or other terms and conditions of the bid and the bidding documents.

Signature of tenderer with seal

- 28.3 If the procuring entity does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents due to change in circumstances, the bidder shall not be entitled for any claim or compensation except otherwise provided in the bidding documents.
- 28.4 Repeat orders for extra items or additional quantities may be placed on the rates and conditions given in the contract. Delivery or completion period may also be proportionately increased. The limits of repeat order is 50% of the value of goods or services of the original contract.
- 29.1 EARNEST MONEY:** Tender shall be accompanied by an earnest money as mentioned in tender notice, without which tenders will not be considered. The amount should be deposited in either of the following forms in favour of **Assistant Director, Technical Education Rajasthan, Jodhpur.**
1. Cash through Treasury Challan deposited under head
8443-Civil deposit
103-Security deposits
 2. Bank Drafts/Bankers Cheques of the schedule Bank.
- 29.2 **REFUND OF EARNEST MONEY :** The Earnest Money of unsuccessful tenderes shall be refunded soon after a final acceptance of tender.
- 29.3 **PARTIAL EXEMPTION FROM EARNEST MONEY :-** Firms which are registered with Director of Industries. Rajasthan shall furnish the amount of earnest money in respect of items for which they are registered as such subject to their furnishing registration certificate in original or Self Attested Photostat copy issued from the Director of Industries, Rajasthan at the rate of 0.5 % of the estimated value of the tender shown in N.I.T.
- CLAUSE :-**
- i. Micro and Small Enterprises which have obtained an acknowledgement of EM-II/Udhyog Aadhar from the concerned District Industries Centre, shall make payment of earnest money @ 0.5% (Half Percent) of the value of the quantity offered for supply by them in respect of item(s) for which acknowledgement of EM-II/Udhyog Aadhar has been issued to them.
 - ii. Such Enterprises shall be required to pay security deposit @1% of the value of stores ordered to be supplied on furnishing of an attested copy of acknowledgement of EM-II/Udhyog Aadhar with an affidavit of Rs. 50/- non judicial stamp by enterprise in prescribed format. {vide FD Circular No. 24/2010 dated 19.10.2010}
- 29.4 The Central Government and Government of Rajasthan under taking need not furnish any amount of earnest money.
- 29.5 The earnest money/security deposit lying with the department/office in respect of other tenders awaiting approval or rejected or on account of contracts being completed will not be adjusted towards Earnest Money/Security Money for the fresh tenderer. The earnest money may however, be taken into consideration in case tenders are re-invited.

Signature of tenderer with seal

30. **FORFEITURE OF EARNEST MONEY** : the Earnest Money will be forfeited in the following cases :
- i. When tenderer withdrawls or modifies the offer after opening of tender but before acceptance of tender.
 - ii. When tenderer does not execute the agreement, any other formality require by Department, if any, prescribed within the specified time.
 - iii. When tenderer does not deposit the security Money after the supply order is given.
 - iv. When he fails to commence the supply of the items as per supply order within the time prescribed.
 - v. If the bidder breaches any provision of code of integrity prescribed for bidders specified in the Act and chapter VI of RTPP rules 2013.

AGREEMENT AND SECURITY DEPOSIT (Performance Security) :-

- 31.1 i. Successful tenderer will have to execute an agreement in the **Form 17** (on non-judicial Stamp Paper of the value @ 0.25% of the purchase order amount (Minimum Rs 500/- and maximum Rs 25000/-) within a period of 15 days of issue of order and deposit security equal to 5% of the value of the stores for which tenders are accepted within 15 days from the date of dispatch on which the acceptance of the tender is communicated to him.
- ii. No interest will be paid by the department **on** the security money.
 - iii. The Earnest Money deposited at the time of tender will be adjusted towards security amount. The security money amount shall in no case be less than the earnest money.
 - iv. Performance security shall be furnished in any one of the following forms-
 - (a) deposit through **eGRAS**.
 - (b) Bank Draft or Banker's Cheque of a scheduled bank.
 - (c) National Savings Certificates and any other script/instrument under National Savings Schemes for promotion of small savings issued by a Post Office in Rajasthan, if the same can be pledged under the relevant rules. They shall be accepted at their surrender value at the time of bid and formally transferred in the name of procuring entity with the approval of Head Post Master.
 - (d) Fixed Deposit Receipt (FDR) of a scheduled bank. It shall be in the name of procuring entity on account of bidder and discharged by the bidder in advance. The procuring entity shall ensure before accepting the Fixed Deposit Receipt that the bidder furnishes an undertaking from the bank to make payment/premature payment of the Fixed Deposit Receipt on demand to the procuring entity without requirement of consent of the bidder concerned. In the event of forfeiture of the performance security, the Fixed Deposit shall be forfeited along with interest earned on such Fixed Deposit.

Signature of tenderer with seal

- (e) Any other instrument as mentioned in Rajasthan Transparency in Public Procurement Rules 2013.
- v. Performance security furnished in the form specified in clause (b) to (e) of sub-rule {31.1(iv)} shall remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the bidder, including warranty obligations and maintenance and defect liability period.
- 31.2 i. Firms register with the Director of Industries, Rajasthan in respect of stores for which they are registered subject to their furnishing the registration certificate to original form the Director of Industries or a Photo Copy or a copy their of duly attested by any gazette officer will be partially exempted from earnest money and shall pay deposit @ 1% of the estimated value of tender.
- ii. Central govt. & Govt. of Rajasthan under taking will exempted from furnishing security amount.
- 31.3 FORFEITURE OF SECURITY DEPOSIT:** Security amount in full or part may be forfeited in the following cases :
- a. When any Terms and conditions of the contract is breached.
- b. When the Tenderers fails to make complete supply satisfactorily.
- c. Notice of reasonable time will be given in case of forfeiture of security deposit. The decision of the purchase officer in this regard shall be final.
- 31.4 The expenses of completing and stamping the agreement shall be paid by the tenderer and the department shall be : furnished free of charge with one executed stamped counter part of the agreement.
32. i. All goods must be sent freight paid through rail or goods transport. If goods are sent freight to pay, the freight together with Departmental charge 5% of the freight will be recovered form the suppliers bills.
- ii. R.R. should be sent under registered cover through bank only.
- iii. In case supply is desired to be sent by the purchase officer by passenger train. the entire railway freight will be borne by the department.
- iv. Remittance charges on payment made shall be borne by the tenderer.

33. INSURANCE

- i. The goods will be delivered at the destination godown in prefect condition. The supplier, if he so desired may be insure the valuable goods against lost by theft destruction or damage by fire, flood under exposure to whether or otherwise viz. (war rebellion, roit etc.) The insurance charges will be borne by the supplier and state will not be required to pay such charges, if incurred.
- ii. The articles may also be got insured at the cost of the purchaser if so desired by the purchaser. In such cases, the insurance should invariably be with life Insurance Corporation of India or its subsidiaries.

Signature of tenderer with seal

34. PAYMENTS :

- i. Advance payment will not be made except in rare and special case. In case of advance payment being made it will be against proof of dispatch and to the extent as prescribed in financial power by rail/reputed goods transports companies etc. and prior inspection, if any. The balance in any will be paid on receipt of the consignment in good condition with the certificate to that effect endorsed on the inspection note given to the tenderer.
- ii. Unless otherwise agreed between the parties payment for the delivery of the stores will be made on submission of bill in the proper form by the tenderer to the purchase officer in accordance with G.F. & A.R. all remittance charges will be borne by the tenderer.
- iii. In case of disputed items. 10 to 25% of the amount shall be with held and will be paid on settlement of the dispute.
- iv. Payment in case of these goods, which need testing, shall be made only when such tests have been carried out, test results received conforming to the prescribed specifications.

35.1 The time specified for delivery in the Tender form shall be deemed to be the essence of the contract are the successful tenderer shall arrange supplies with in the period on receipt of the firm order from the purchase office.

- 35.2 a. Delay up to the one fourth period of the prescribed delivery period. **2.5 %**
- b. Delay exceeding one fourth but not exceeding half of the prescribed period. **5.0 %**
- c. Delay exceeding half but not exceeding three fourth of the prescribed period. **7.5 %**
- d. Delay exceeding three fourth of the prescribed period. **10 %**

35.3 Fraction of a day reckoning period of delay in supplies shall be eliminated if it is less than half a day.

35.4 The maximum amount of liquidated damages shall be 10%.

35.5 If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrance, he shall apply in writing to the authority, which has placed the work-order for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.

35.6 Delivery period may be extended with or without liquidated damages if the delay in the supply of goods is on account of hindrances beyond the control of the tenderer.

36. RECOVERIES :

Recoveries of liquidated damages short supply breakage, rejected articles shall ordinary be made from bills. Amount may also be with held to the extent of short supply breakages, rejected articles and in case of failure in satisfactory replacement by the supplier along with amount of liquidated damages shall be recovered from his dues and the security deposit available with the department. In case recovery is not possible recourse will be taken under Rajasthan PDR Act. or any other law in force.

37. Tenderers must make their **own** arrangement to obtain import license if necessary.

Signature of tenderer with seal

38. If a tenderer imposes conditions which are in addition to or in conflict with the conditions mentioned in his tender is liable to summary rejection. In any case none of such conditions will be deemed to have been accepted unless specifically mentioned in the letter of acceptance of tender issued by the purchase officer.
39. The purchase officer reserves the right to accept any tender not necessarily the lowest, reject any tender without assigning any reasons and accept tender for all or any one or more of the articles for which tenderer has been given or distribute items of stores to more than one firm/supplier.
40. The tenderer shall furnish the following documents at the time of execution of agreement.
 - i. Attested copy of Partnership Deed in case of partnership firms.
 - ii. Registration No and Year of registration in case partnership firm is registered with register of firms.
 - iii. Address of residence and office telephone number in case of sale proprietorship.
 - iv. Registration issued by Registrar of companies in case of company.
41. If any dispute arise out of the contract with regard to the interpretation, meaning and breach of the term of the contract, the matter shall be referred to by the parties to the Head of the Department who will appoint his senior most deputy as the sole arbitrator of the dispute who will not be related to this contract and whose decision shall be final.
42. All legal proceedings, if necessary arise to the institute may by any of the parties (Government or contractor) shall have to be lodged in courts situated in Jodhpur, Rajasthan and not elsewhere.

DIRECTOR (EDUCATION)
TECHNICAL EDUCATION RAJASTHAN
JODHPUR

I/We have carefully read and understood above terms and conditions (from 1 to 42) of the tender and abide by them.

I/We have also certify that all the information and catalogue etc. of the tendered item has been enclosed and no information has been held back by us.

SIGNATURE OF THE TENDERER
With seal and designation

COMPLIANCE WITH THE CODE OF INTEGRITY AND NO CONFLICT OF INTEREST

Any person participating in a procurement process shall –

- a) not offer any bribe reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process.
- b) not misrepresent or omit that mislead or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation.
- c) not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process.
- d) not misuse any information shared between the procuring entity and the Bidders with an intent to gain unfair advantage in the Procurement process.
- e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the Procurement process.
- f) not obstruct any investigation or audit of a Procurement process.
- g) disclose conflict of interest, if any and
- h) disclose any previous transgressions with any Entity in india or any other country during the last three years or any debarment by any other procuring entity.

CONFLICT OF INTEREST :

The Bidder participating in a bidding process must not have a conflict interest.

A conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliances with applicable laws and regulations.

A Bidder may be considered to be in conflict of interest with one or more parties in a bidding process if, including but limited to :

- a) have controlling partners/shareholders in common; or
- b) receive or have received any direct or indirect subsidy from any of them; or
- c) have the same legal representative for purposes of the Bid; or
- d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder or influence the decision of the Procuring Entity regarding the Bidding process; or
- e) the Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the bidder is involved. however, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one Bid; or
- f) the Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, Works or Services that are the subject of the Bid; or
- g) Bidder or any of its affiliates has been hired (or to proposed to be hired) by the Procuring Entity as engineer-in charge/consultant for the contract

Signature of tenderer with seal

**DECLARATION BY THE BIDDER REGARDING QUALIFICATIONS DECLARATION
BY THE BIDDER**

In relation to my/our Bid submitted to for procurement of in response to their notice inviting Bid No. Dated I/We hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that;

01. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
02. I/we have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Documents;
03. I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
04. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to entire to a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
05. I/we do not have conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date :

Signature of Bidder with seal

Place :

Name :

Designation :

Address :

GRIEVANCE REDRESSAL DURING PROCUREMENT PROCESS

The Designation and address of the First Appellate Authority is **Director (Education), Directorate of Technical Education Rajasthan, Jodhpur.**

The Designation and address of the Second Appellate Authority is **Secretary, Technical Education Rajasthan, Jaipur.**

01. Filing an appeal

If a Bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provision to the provision of the Act or the Rules or the Guidelines issued there under, he may file an appeal to first Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved.

Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings.

Provided further that in case a procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filled only by a Bidder whose Technical Bid is found to be acceptable.

02. The officer to whom an appeal is filled under para (1) shall deal with the appeal as expeditiously as possible and shall Endeavour to dispose it of within thirty days from the date of the appeal.

03. If the officer designation under para (1) fails to dispose the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

04. Appeal not to lie in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely :

- a) determination of need of procurement;
- b) provisions limiting participation of Bidders in the Bid process;
- c) the decision of whether or not to enter into negotiation;
- d) cancellation of a procurement process;
- e) applicability of the provisions of confidentiality.

05. Form of Appeal

- a) An appeal under para (1) or (3) above shall be in the annexed Form along with as many copies as there are respondents in the appeal.

Signature of tenderer with seal

- b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
- c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorized representative.

06. Fee of filing appeal

- a) Fee for first appeal shall be rupees two thousand five hundred and second appeal shall be rupees ten thousand, which shall be non-refundable.
- b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

07. Procedure for disposal of appeal

- a) The first Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, Shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
- b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be shall,-
 - (i) here all the parties to appeal present before him; and
 - (ii) peruse or inspect documents, relevant records or copies thereof relating to the matter.
- c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
- d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.

Signature of tenderer with seal

**MEMORANDUM OF APPEAL UNDER THE RAJASTHAN TRANSPARENCY IN
PUBLIC PROCUREMENT ACT, 2012**

Appeal No. of

Before the(First/Second Appellate Authority)

01. Particulars of appellant :

(i) Name of Appellant :

(ii) Official address, if any :

(iii) Residential address :

02. Name and address of the respondent(s) :

(i)

(ii)

(iii)

03. Number and date of the order appealed against and name and designation of the officer/authority who passed the order (enclosed copy), or a statement of a decision, action or omission of the Procuring Entity in contravention to the provisions of the act by which the appellant is aggrieved :

04. If the Appellant proposes to be represented by a representatives, the name and postal address of the representative :

05. Number of affidavits and documents enclosed with the appeal :

06. Ground of appeal :

.....
.....
.....

(supported by an affidavit)

07. Prayer

.....
.....
.....

Place :

Date :

Appellant's Signature

ADDITIONAL CONDITIONS OF CONTRACT

01. Correction of arithmetical errors :

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis :

- (i) if there is discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected.
- (ii) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (iii) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bids does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

02. Procuring Entity's Right to Vary Quantities :

- (i) At the time of award of contract, the quantity of goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. it shall be without any change in the unit prices or other terms and conditions of contract.
- (ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 50% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply, if the suppliers fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Suppliers.

03. Dividing quantities among more than one Bidder at the time of award (In case of Procurement of Goods) :

As a general rule all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

Signature of tenderer with seal

"DECLARATION BY THE TENDERERS" (S.R. 11)

I / We declare that I am / We are bonafide
/Manufacturer/Whole Sellers/ Sole Distributors/ Authorised Dealer/ Dealers/ Sole Selling/
Marketing Agent in the Good/Stores/Equipments/Furniture's for which I/We have Tendered.
(STRIKE OFF WHICHEVER IS NOT APPLICABLE)

If, this Declaration is found to be incorrect then without prejudice to any other action that
may be taken, my/our security may be forfeited in full and the Tender if any to the extent accepted
may be cancelled.

SIGNATURE OF THE TENDERER
With seal and designation

"G.S.T. DECLARATION"

I, Certify that the goods on which **G.S.T.** has been charged have not been exempted under the **G.S.T. Act**, or the Rules made there under and the amount charged on account of **G.S.T.** is not more than what is payable under the relevant provisions of the **G.S.T. Act** or the Rules made there under.

Certify that we M/s
..... are registered as Manufacturer/Dealer in the
..... (State or Union Territory) under **G.S.T.** Registration No.
.....

SIGNATURE OF THE TENDERER
With seal and designation

PRICE CHARGING CERTIFICATE

I/We hereby certify that the rate offered in Financial bid are reasonable and justified and we are not marketing lower rates to other department on condition of the tender and contract.

**SIGNATURE OF THE BIDDER
WITH SEAL AND DESIGNATION**

FORMAT OF AFFIDAVIT

(On non-judicial Stamp Paper of Rs- 50/- vide FD Circular No. 24/2010 dated 19.10.210)

I S/o
Aged Years Residing at
Proprietor/Partner/Director of M/s do
hereby solemnly affirm and declare that :

- a) My/Our above noted enterprise M/s has
been issued acknowledgement of Entrepreneurial memorandum Part-II by the District
Industries Centre The acknowledgement No is Dated
and has been issued for manufacturer of following items :
- (i)
 - (ii)
 - (iii)
 - (iv)
 - (v)
- b) My/Our above noted acknowledgement of Entrepreneurial memorandum Part-II has not
been cancelled or withdrawn by the Industries Department and that the enterprise is
regularly manufacturing the above items.
- c) My/Our enterprise is having all the requisite plant and machinery and is fully equipped to
manufacture the above noted items.

Place :

Signature of Proprietor/ Director
Authorised Signatory with Rubber Stamp & Date

(ATTESTED BY FIRST CLASS MAGISTRATE OR NOTARY PUBLIC)

**REAL TIME GROSS SETTLEMENT (RTGS) / NATIONAL ELECTRONIC
FUND TRANSFER (NEFT)**

From: M/s.
.....
.....

To,
The Director (Education),
Directorate of Technical Education Rajasthan,
Jodhpur.

Sub:- RTGS / NEFT Payments.

We refer to remittance of our payments using RBI's RTGS/NEFT. Our payments may be made through the above system to our under noted account at our cost :-

Name of Firm	:	
Full Address	:	
Mobile Number	:	
mail ID for Payment Information	:	
PAN Number	:	
Bankers Name	:	
Branch Name	:	
9 Digit Code of Bank (Appearing on the MICR Cheque issued by the Bank	:	
Account Type with Code	:	
Account Number (as appearing on Cheque Book)	:	
IFSC Code for RTGS	:	

Signature of Bidder
with Stamp & Address

FORMAT OF AFFIDAVIT

(On Non-judicial Stamp Paper of Rs. 50/-)

I.....S/o.....Aged.....
years, residing at Proprietors/Partner/Director
of M/s.....do hereby
solemnly declare that:

- a. all items tendered by me/us in NIT No...../2017-18 issued by Director(Edu.), Directorate of Technical Education, Jodhpur are included in Entrepreneurial Memorandum part-II/Udhyog Aadhar issued to our firm by the Industries Department of Rajasthan.
- b. the rebate in tender fee & earnest money is applicable to our firm as per rules made for SSI units.
- c. if any discrepancy is found later our tender will be liable for rejection including forfeiture of earnest money/security money deposit along with any legal action as per the tender terms & conditions.

Place :

Signature of Proprietor/ Director
Authorized Signatory with Rubber Stamp & Date

Authorisation certificate to be submitted by Principal manufacturer

It is certified that M/s..... (Name & address of tenderer) is our authorised Distributer/ Dealer. They are authorised to submit tender for (Name of item) to Director (Training), Directorate of Technical Education, Jodhpur (Rajasthan) against their Tender Notice No..... Dated-on behalf of us.

The equipment/ Instrument/Machine is guaranteed for the period as mentioned in tender and during the guarantee period the authorised Distributor/Dealer shall replace the parts or rectify any manufacturing defect found in the machine. They are also responsible for after Sale-service during the life time of equipment/instrument/machine. In case of change of authorised Distributor/ Dealer the new authorised Distributor/Dealer will be responsible for guarantee and after sale-service. In case of failure we will be responsible for providing after sale service.

**Signature of Principal Manufacturer
with rubber stamp**

Note:- This authorisation certificate should be typed & signed by the principal manufacturer on his original letter pad and scanned copy of which must be up loaded with tender otherwise concerned item of the tender will not be considered for technical evaluation.

CHECK LIST

List of required Schedules/documents to be submitted online duly signed/ digitally Signed by Authorized Signatory

S. No.	Particulars as per specification	Description of required document	Details of documents to be uploaded by bidder along with relevant page Nos.
(i) COVER – I : Details of Tender Fee/Bid Security/Tender Processing Fee etc. (.pdf)			
01	Cost of Tender Document	Proof of depositing cost of tender specification documents (DD/ Banker's Cheque).	
02	Details of Bid security (EMD)/ Registration/ exemption certificate (EM-II)	Proof of depositing Bid Security (DD/Banker's Cheque/vendor Registration certificate / copy of EM-II with annexure H & affidavit	
03	Tender processing fee	Proof of depositing DD/ Banker's Cheque towards e- tender processing fee.	
04	Authorization of Digital Signature (if applicable)	Power of Attorney for authorized signatory to sign the tender document digitally	
05	G.S.T. Declaration (Annexure-F)	Yes/No	
06	VAT Registration Certificate	Yes/No	
07	Copy of PAN Card	Yes/No	
08	Bid document form duly signed & sealed	Yes/No	
09	Special conditions of tender	Yes/No	
10	Tender form SR-16	Yes/No	
11	Declaration regarding Bonafide dealer SR-11 (annexure-E)	Yes/No	
12	Annexure A, B, C, D,G,J	Yes/No	
13	Technical specifications in annexure-H	Yes/No	
14	Annual Turnover certificate from Chartered Accountant.	Yes/No	
15	Annexure - I&K for SSI Unit (if applicable)	Yes/No	
16	Authorisation of manufacturer (Annexure-L) (if applicable)	Yes/No	
(iii) COVER – II : Financial/Price Bid/BOQ (.xls)			
01	Price bid/BOQ	Details of Price quoted of the material offered in Price bid/ BOQ	

Signature of tenderer with seal

TECHNICAL SPECIFICATION

- 01.** The scanned copy of this annexure (original downloaded) duly completed and seal signed by the bidder must be uploaded otherwise bid should not be considered. Any supplementary information may be uploaded separately.
- 02.** The samples where-ever mentioned in specifications must be submitted in this Directorate along with physical submission of DD's of EMD etc, otherwise concerned item will not be considered for technical evaluation.
- 03.** Scanned Copies of Original Literature/Leaflets/Catalogue etc. must be enclosed in support of your Make and Specifications otherwise concerned items will not be considered for Technical Evaluation.
- 04.** The delivery period up to 20.3.2018
- 05.** The Material will be Supplied F.O.R. at Principal Government Polytechnic College, as per order List.
- 06.** Authorization Certificate of manufacturer where-ever mentioned in specifications must be submitted in prescribed format (Annexure-L) otherwise concerned item will not be considered for Technical Evaluation.
- 07.** All the required literature/ leaflets/Catalogues, authorization certificates must be submitted with the tender. **For the all Items.**
- 08.** **All the material supplied should be new and no item can be supplied which is refurbished.**

Item No. :

Due

Name of Tenderer :

Date :

Name of

Item :

S. No.	Specifications	Qty.	Make & model	(*) Specify variation in Specification if any, otherwise write "No variation" / as per Specification.

Signature of tenderer with seal

e-Tender No. 02 Part 01 (2017-2018) ROBOTICS LABORATORY

TECHNICAL SPECIFICATION

1. The scanned copy of this annexure (original downloaded) duly completed and seal signed by the bidder must be uploaded otherwise bid should not be considered. Any supplementary information may be uploaded separately.
2. The samples where-ever mentioned in specifications must be submitted in this Directorate along with physical submission of DD's of EMD etc, otherwise concerned item will not be considered for technical evaluation.
3. Scanned Copies of Original Literature/Leaflets/Catalogue etc. must be enclosed in support of your Make and Specifications otherwise concerned items will not be considered for Technical Evaluation.
4. The delivery period up to 20.3.2018
5. The Material will be Supplied F.O.R. at Principal Government Polytechnic College, as per order List.
6. Authorization Certificate of manufacturer where-ever mentioned in specifications must be submitted in prescribed format (Annexure-L) otherwise concerned item will not be considered for Technical Evaluation.
7. All the required literature/ leaflets/Catalogues, authorization certificates must be submitted with the tender. **For the all Items.**
8. **All the material supplied should be new and no item can be supplied which is refurbished.**

**LIST OF EQUIPMENT FOR ROBOTICS AND 3D PRINTING
LABORATORY**

1. List of equipment to be purchased for Robotics Laboratory

Sr. No.	Name of Item Quantity	Quantity	Specify variation in Specification if any, otherwise write "No variation" / as per Specification & write Make & Model
1	Table Top 3-Axis Cartesian Robot Full Specification See Annexure 1	1	
2	4-DoF SCARA Type Robot with Vacuum Gripper See Full Specification Annexure 2	1	
3	6-DoF ROBOT with Maximum 5 Kg Payload with Gripper and Vision Sensor Full Specification See Annexure 3	1	

4	6-DoF Robot with Maximum 10 Kg Payload with Gripper and Force-Torque Sensor Full Specification See Annexure 4	1	
5	Programmable Mobile Robot with Maximum 15 Kg Payload Full Specification See Annexure 5	3	
	Programmable Mobile Robot with Maximum 30 Kg Payload Full Specification See Annexure 5	1	

Note:

1. These are technical specifications only and detailed public tender document can be shared for the final approval before announcement.
2. The above 10 items can be advertised via 10 separate tenders to ensure transparency in the purchase procedure.
3. Technical bid must be evaluated prior to opening of financial bid by a committee comprising of the faculty members of IIT Jodhpur and representatives from the Govt. of Rajasthan.

ANNEXURE 1: TABLE TOP 3-AXIS CARTESIAN ROBOT
(QUANTITY: 1)

ROBOT

Sr. No.	Technical Data	Value/Description
1	Series	Table Top
2	Type of Robot	Gate Type
3	Axis	3- Axis
4	XYZ Stroke	400mm, 400mm, 100mm or better
5	Encoder	Battery Less Absolute
6	Communication	DeviceNet, Ethernet, CC Link, Profibus, NPN
7	Motor	Pulse Motor
8	Payload Capacity	X Axis- 10 kg or better Z Axis- 2 Kg or better
9	Speed	Max. 300mm/s for all three axis
10	Drive system	Ball screw (ø10mm, rolled C10)
11	Positioning repeatability	At least ±0.02mm
12	Backlash	0.1 mm or less
13	Guide	Direct-coupled endless cycling type
14	Allowable load moment (Note 4)	Ma: 6.5N • m Mb : 9.3N • m Mc : 16.4N • m or more
15	Ambient temperature/humidity	5 to 40°C, 85%RH max. (non-condensing)
16	Actuator weight	35kg or less

CONTROLLER

Sr.No.	Technical Data	Value/Description
1	Motor type	Pulse motor (servo control)
2	Position detection method	Incremental encoder
3	Power-supply voltage	100 to 115 VAC, 200 to 230 VAC, single-phase, ±10%
4	Power-supply frequency	50Hz / 60Hz
5	Power-supply capacity	Rated power output: 151.2 W --- Maximum instantaneous output (2 times)
6	Speed setting	1 to 300 mm/sec
7	Acceleration setting	0.01 to 0.3 G
8	Programming language	Super SEL language
9	Number of programs	64 programs (16 programs) or more
10	(programs that can be run simultaneously)	6000 steps (total) or better
11	Number of program steps	3000 positions (total)

12	Number of positions	Dedicated digital switch + Dedicated start switch
13	Program start	FLASH ROM
14	Data-storage device	Teaching pendant (model: IA-T-X)
15	Data-input device	PC software (model: IA-101-X-MW)
16	Numbers of I/O (input/output) points	16 input points / 16 output points (insulated DIO)
17	I/O connector	34-pin, flat
18	Supported field buses	DeviceNet / CC-Link / ProfiBus / Ethernet
19	Protection functions	Motor overcurrent, overload, motor-driver temperature check, overload check, encoder open detection, etc.
20	Specified ambient temperature/humidity	(Error codes are shown on the 7-segment LED on the front of the actuator.)
21	Accessories	0 to 40°C, 20 to 90% (non-condensing)

Note:

In addition to the above primary components and requisite accessories the following must be provided along with the setup

1	Pedestal for mounting robot
2	Mounting plate for Robot
3	Mounting plate for Gripper
4	Grouting bolt set
5	Tool set
6	Mounting pedestal for controller
7	Training for 2 days at supplier works & 2 days at the place of installation
8	12 months warranty from the date of installation

Terms and Conditions:

1. The structure of the machine should be rigid and free from vibration for smooth operation.
2. Machine should be fitted with all electrical items to carryout work immediately.
3. The supplier shall clearly categorize the basic / standard feature of the equipment in order to have clear cost comparison.
4. The quoted Specifications should reflect on brochure and also on manufacturer website.
5. The operation and maintenance manuals of the machine have to be supplied.
6. The price of quotation must be inclusive of successful installation of the machine with training of the operator to ensure proper functionality upon installation

ANNEXURE 2: 4-DOF SCARA TYPE ROBOT WITH GRIPPER
(QUANTITY: 1)

ROBOT

Sr. No.	Technical Data	Value
1	Max. Load	10 kg
2	Standard Cycle Time	0.81s
3	Rated Load	2 kg
4	Positioning Repeatability	+/- 0.04 mm/ 0.002°
5	Cable Length	5 m

CONTROLLER

Sr. No.	Technical Data	Value
1	Power-supply input voltage	Single-phase AC100~230V ±10%
2	Power-supply current	2.9A typ. (AC100V), 1.4A typ. (AC200V), 1.2A typ. (AC230V)
3	Power-supply frequency range	50/60Hz ±5%
4	Motor type	Pulse motor (servo control)
5	Supported encoder	Incremental encoder / Battery-less absolute encoder
6	Data storage device	FlashROM/FRAM
7	Number of program steps	9,999
8	Number of positions	30,000
9	Number of programs	255
10	Number of multitasks	16
11	Communication method RS232 (asynchronous communications)	RS232 (asynchronous communications)
12	Baud rate 9.6, 19.2, 38.4, 57.6, 76.8, 115.2kbps	9.6, 19.2, 38.4, 57.6, 76.8, 115.2kbps
13	Number of input points	16 points
14	Number of output points	16 points
15	Input voltage	DC24V ±10%
16	Input current	7mA/circuit
17	Load voltage	DC24V ±10%
18	Saturated voltage	Max.3V
19	Insulation method	Photocoupler insulation
20	Compliant expansion I/O interface	Expansion PIO NPN specification (16IN/16OUT) CC-Link (remote device station) DeviceNet PROFIBUS-DP EtherNet/IP

21	Air cooling method	Forced air cooling
22	External dimensions	Width 130mm x Height 195mm x Depth 125mm
23	Mass	Approx. 1,400g

VACUUM GRIPPER

Sr. No.	Technical Data	Value
1	Bellows suction cup (round) for large, heavy and uneven workpieces	Size: 120 Suction cup material: High temp material HT1 Material hardness: 60 °Sh Vacuum connection: G1/2"-F Nipple material: Steel Number of folds: 1.5
2	Pump	Oil-free pump with constant suction rate, robust, requires little maintenance Current type: 3-phase AC Noise level (50 Hz): 67 dB Voltage (50 Hz): 190-255V or 330-440V Voltage (60 Hz): 190-290V or 330-500V with: Filter Suction rate (50 Hz): 40 m ³ /h Suction rate (60 Hz): 48 m ³ /h Vacuum (50Hz): -850 mbar Rated power (50 Hz): 1.25 kW Rated power (60 Hz): 1.5 kW Weight: 40 kg
3	Vacuum/ Pressure Switch	Vacuum/pressure switch in cube shape with display and digital output signals VS-V-W-D-NPN-K Measuring range: -1.0 ... 0.0 bar Shape: Cube, digital display Type: Switches to minus Electrical connection: Cable Inputs/outputs: 2 digitals

Note:

In addition to the above primary components and requisite accessories the following must be provided along with the setup

1	Pedestal for mounting robot
2	Mounting plate for Robot
3	Mounting plate for Gripper
4	Grouting bolt set
5	Tool set
6	Mounting pedestal for controller

7	Training for 2 days at supplier works & 2 days at the place of installation
8	12 months warranty from the date of installation

Terms and Conditions:

1. The structure of the machine should be rigid and free from vibration for smooth operation.
2. Machine should be fitted with all electrical items to carryout work immediately.
3. The supplier shall clearly categorize the basic / standard feature of the equipment in order to have clear cost comparison.
4. The quoted Specifications should reflect on brochure and also on manufacturer website.
5. The operation and maintenance manuals of the machine have to be supplied.
6. The price of quotation must be inclusive of successful installation of the machine with training of the operator to ensure proper functionality upon installation.

**ANNEXURE 3: 6-DOF ROBOT WITH MAXIMUM 5 KG
PAYLOAD AND VISION SENSOR (QUANTITY: 1)**

. ROBOT

Technical data	Value
Repeatability	+/- 0.1 mm or better
Temperature range	0-50° C
Typical Power consumption	Less than 260 W
Collaboration operation	Advanced adjustable safety functions. TüV NORD Approved Safety Function Tested in accordance with: EN ISO 13849:2008 PL d
Payload	4.5 kg or more
Working radius/ Reach	840 mm or more
Degrees-of-Freedom	6 rotating joints
Joint ranges:	+/- 360°
Max joint Speed (All joints)	+/- 180°/s
Typical Tool velocity	1 m/s
IP classification	IP54
ISO Class Cleanroom Robot Arm	5
Noise	Comparatively noiseless
I/O ports on Robot Tool Connector	Digital in: 2; Digital out: 2 Analog in: 2; Analog out: 0
I/O power supply in tool	12 V/24 V 600 mA
Footprint	Less than or equal to Ø 150 mm
Materials	Aluminum, PP plastics
Tool connector type	M8
Cable length between controller & robot arm	5.5 m or more
Weight with cable	19 kg or less

CONTROLLER BOX

Technical data	Value
IP classification	IP20
ISO Class Cleanroom	6
Noise	65 dB(A) or less
I/O ports:	Digital in: at least 16 ; Digital out: at least 16 Analog in: at least 2; Analog out: at least 2
I/O power supply:	24 V 2A
Communication:	TCP/IP 100Mbit, Modbus TCP, Profinet, EthernetIP
Power source	100-240 V AC, 50-60 Hz
Control box size (WxHxD):	480 mm x 430 mm x 270 mm or less
Weight	15 kg or less
Material	Steel

3. TEACH PENDANT

Technical data	Value
Programming	Polyscope graphical user interface on 12 inch touchscreen with mounting
IP classification	IP 20
Material	Aluminium, PP
Weight	1.5 kg or less
Cable length	4.5 m or more

GRIPPER

Technical data	Value
Number of Fingers	Must be 2
Total max stroke (adjustable)	100 mm or more
Finger position resolution	0.1 mm or less
Repetition accuracy	0.2 mm or less
Reversing backlash	0.6 mm or less
Max Gripping force (adjustable)	at least 40 N
Gripping force accuracy	±2 N or less
Max Gripping speed	180 mm/s or more
Max Gripping time	0.12 s or less
Operating voltage	12-24 V DC
Power consumption	15 W or less
Maximum Current	600 mA
Ambient operating temperature	5 - 50 °C
Storage temperature	0 - 60 °C
Product weight	0.7 kg or less

Note:

In addition to the above primary components and requisite accessories the following must be provided along with the setup

1	Pedestal for mounting robot
2	Mounting plate for Robot
3	Mounting plate for Gripper
4	Grouting bolt set
5	Tool set
6	Mounting pedestal for controller
7	Training for 2 days at supplier works & 2 days at the place of installation
8	12 months warranty from the date of installation

Terms and Conditions:

1. The structure of the machine should be rigid and free from vibration for smooth operation.
2. Machine should be fitted with all electrical items to carryout work immediately.
3. The supplier shall clearly categorize the basic / standard feature of the equipment in order to have clear cost comparison.
4. The quoted Specifications should reflect on brochure and also on manufacturer website.
5. The operation and maintenance manuals of the machine have to be supplied.
6. The price of quotation must be inclusive of successful installation of the machine with training of the operator to ensure proper functionality upon installation.

**ANNEXURE 4: 6-DOF ROBOT WITH MAXIMUM 10 KG
PAYLOAD, GRIPPER AND FORCE TORQUE SENSOR
(QUANTITY: 1)**

ROBOTIC ARM

Sr. No.	Technical Data	Value
1.	Weight	30 kg or less
2.	Payload	10 kg or more
3.	Reach	1300 mm or more
4.	Joint Ranges	+/- 360°
5.	Speed	Base and Shoulder: 120°/s. Elbow, Wrist 1, Wrist 2, Wrist 3:180°/s. Tool: Typical 1 m/s./39.4 in/s
6.	Repeatability	At least +/-0.1 mm / +/-0.0039 in (4 mils)
7.	Footprint	Ø 190 mm / 7.5 in or less
8.	Degree of Freedom	6 Rotating Joints
9.	Control Box size (WxHxD)	475 mm x 423 mm x 268 mm /18.7 x 16.7 x 10.6 in
10.	I/O Ports	Digital in:16 ; Digital out:16 Analog in:2 ; Analog out:2
11.	I/O Power Supply	24 V 2A in control box and 12 V/24 V 600 mA in tool
12.	Communication	TCP/IP 100 Mbit: IEEE 802.3u,100BASE-TX Ethernet Socket & Modbus TCP
13.	Programming	Polyscope graphical user interface on 12 inch touchscreen with mounting
14.	Noise	Comparatively Noiseless
15.	IP Classification	IP54
16.	Power Consumption	370 watts or less using typical program
17.	Collaboration Operation	Advance Safety Functions Testing with accordance with: EN ISO 13849: 2008 PL d EN ISO 10218-1:2011, Clause 5.4.3
18.	Material	Aluminium, ABS Plastic, PP Plastic
19.	Temperature	The Robot should be able to work in a Temperature Range of 0-50°C
20.	Power Supply	100-240 VAC, 50-60 Hz
21.	Cabling	Cable between robot & control box (6 m/236 in or more) Cable between touchscreen & control box (4.5 m/ 177 in or more)

CONTROLLER BOX

Sr. No.	Technical Data	Value
1.	IP classification	IP20
2.	ISO Class Cleanroom	6
3.	Noise	65dB(A) or less
4.	I/O ports:	Digital in: at least 16; Digital out: at least 16 Analog in: at least 2; Analog out: at least 2
5.	I/O power supply:	24 V 2A
6.	Communication:	TCP/IP 100Mbit, Modbus TCP, Profinet, Ethernet IP
7.	Power source	100-240 VAC, 50-60 Hz
8.	Control box size (WxHxD):	480 mm x 430 mm x 270mm or smaller
9.	Weight	18 kg or less
10.	Material	Steel

TEACH PENDANT

Sr. No.	Technical Data	Value
1.	Programming with	Polyscope graphical user interface on 12-inch touchscreen with mounting
2.	IP classification	IP 20
3.	Material	Aluminum, PP
4.	Weight	1.5 kg or less
5.	Cable length	4.5 m or more

TWO JAW GRIPPER-

Sr. No.	Technical Data	Value
1.	Number of Fingers	Must be 2
2.	Total max stroke (adjustable)	100 mm or more
3.	Finger position resolution	0.1 mm or less
4.	Repetition accuracy	0.2 mm or less
5.	Reversing backlash	0.6mm or less
6.	Max Gripping force (adjustable)	at least 40 N
7.	Gripping force accuracy	±2 N or less
8.	Max Gripping speed	180 mm/s or more
9.	Max Gripping time	0.12 s or less
10.	Operating voltage	12-24 V DC
11.	Power consumption	15W or less
12.	Maximum Current	600 mA
13.	Ambient operating temperature	5 - 50 °C

14.	Storage temperature	0 - 60 °C
15.	Product weight	0.7 kg or less

FORCE TORQUE SENSOR-

Sr. No.	Technical Data	Value	
1	Sensor Type	6-Axis Force/Torque Sensor	
2	Dimensions	Height x Diameter	35 x 70 mm
3	Weight	(With built-in adapter plates)	260g
4	Full Scale Nonlinearity	< 2%	
5	Hysteresis (measured on Fz axis, typical)	< 2%	
6	Crosstalk (typical)	< 5%	
7	Working temperature range	All axes	0°C - +55°C
8	Power requirement	DC input range 7-24V	0.8 W
9	Sensor mounting screws	5 xM4 x 8 mm 1 x M4 x 12 mm	ISO14580
10	Overload PLUG mounting screws	M6x30	ISO14580

Note:

In addition to the above primary components and requisite accessories the following must be provided along with the setup

1	Pedestal for mounting robot
2	Mounting plate for Robot
3	Mounting plate for Gripper
4	Grouting bolt set
5	Tool set
6	Mounting pedestal for controller
7	Training for 2 days at supplier works & 2 days at the place of installation
8	12 months warranty from the date of installation

Terms and Conditions:

1. The structure of the machine should be rigid and free from vibration for smooth operation.
2. Machine should be fitted with all electrical items to carryout work immediately.
3. The supplier shall clearly categorize the basic / standard feature of the equipment in order to have clear cost comparison.
4. The quoted Specifications should reflect on brochure and also on manufacturer website.
5. The operation and maintenance manuals of the machine have to be supplied.
6. The price of quotation must be inclusive of successful installation of the machine with training of the operator to ensure proper functionality upon installation

**ANNEXURE 5: PROGRAMMABLE MOBILE ROBOTS
(QUANTITY: 3)**

**PROGRAMMABLE MOBILE ROBOTS WITH MAX 15 KG PAYLOAD
(Quantity: 2)**

Sr. No.	Items	Typical Specifications
1	Maximum translational velocity	0.22 m/s
2	Maximum rotational velocity	2.84 rad/s (162.72 deg/s)
3	Maximum payload	15kg
4	Size (L x W x H)	138mm x 178mm x 192mm
5	Weight (+ SBC + Battery + Sensors)	1kg
6	Threshold of climbing	10 mm or lower
7	Expected operating time	2h 30m
8	Expected charging time	2h 30m
9	MCU	32-bit ARM Cortex®-M7 with FPU (216 MHz, 462 DMIPS)
10	IMU	Gyroscope 3 Axis
		Accelerometer 3 Axis
		Magnetometer 3 Axis
11	Power connectors	3.3V / 800mA
		5V / 4A
		12V / 1A
12	Expansion pins	GPIO 18 pins
		Arduino 32 pin
13	Peripheral	UART x3, CAN x1, SPI x1, I2C x1, ADC x5, 5pin OLLO x4
14	Motor ports	RS485 x 3, TTL x 3
15	Audio	Several programmable beep sequences
16	Programmable LEDs	User LED x 4
17	Status LEDs	Board status LED x 1
		Arduino LED x 1
		Power LED x 1
18	Buttons and Switches	Push buttons x 2, Reset button x 1, Dip switch x 2
19	Battery	Lithium polymer 11.1V 1800mAh / 19.98Wh 5C
20	PC connection	USB
21	Firmware upgrade	via USB / via JTAG
22	Power adapter (SMPS)	Input : 100-240V, AC 50/60Hz, 1.5A @max
		Output : 12V DC, 5A

**PROGRAMMABLE MOBILE ROBOTS WITH MAX 30 KG PAYLOAD
(Quantity: 1)**

Sr. No.	Items	Typical Specifications
1	Maximum translational velocity	0.26 m/s
2	Maximum rotational velocity	1.82 rad/s (104.27 deg/s)
3	Maximum payload	30kg
4	Size (L x W x H)	281mm x 306mm x 141mm
5	Weight (+ SBC + Battery + Sensors)	1.8kg
6	Threshold of climbing	10 mm or lower
7	Expected operating time	2h
8	Expected charging time	2h 30m
9	MCU	32-bit ARM Cortex®-M7 with FPU (216 MHz, 462 DMIPS)
10	IMU	Gyroscope 3 Axis
		Accelerometer 3 Axis
		Magnetometer 3 Axis
11	Power connectors	3.3V / 800mA
		5V / 4A
		12V / 1A
12	Expansion pins	GPIO 18 pins
		Arduino 32 pin
13	Peripheral	UART x3, CAN x1, SPI x1, I2C x1, ADC x5, 5pin OLLO x4
14	Dynamixel ports	RS485 x 3, TTL x 3
15	Audio	Several programmable beep sequences
16	Programmable LEDs	User LED x 4
17	Status LEDs	Board status LED x 1
		Arduino LED x 1
		Power LED x 1
18	Buttons and Switches	Push buttons x 2, Reset button x 1, Dip switch x 2
19	Battery	Lithium polymer 11.1V 1800mAh / 19.98Wh 5C
20	PC connection	USB
21	Firmware upgrade	via USB / via JTAG
22	Power adapter (SMPS)	Input : 100-240V, AC 50/60Hz, 1.5A @max
		Output : 12V DC, 5A

Terms & Condition :-

- F. O. R. Director, Centre for Electronic Governance, Near Government Ram Chandra Khaitan Polytechnic College, Jhalana Doongri, Jaipur- 302004**
- Delivery up to 20.3.2018.**