Tender Ref. No. 58073/02/2019- MPP

Date: 28.02.20

Tender for engagement of Agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, at SRFTI.

To, INTERESTED FIRMS

Sub: Tender for engagement of agency / Lab for colour correction of students' practice exercises & workshop for the Department of Cinematography, at SRFTI.

Dear Sirs,

As you are aware, Satyajit Ray Film & Television Institute (SRFTI) is an Academic Institute under the Ministry of Information & Broadcasting, Govt. of India and imparts training to the students in the field of Cinema and Electronic Digital Media, SRFTI is the 2nd National Level Institute after FTII, Pune established by the Govt. of India.

The Institute intends to engage an Agency / Lab for Colour Correction of its students' practical, exercises & workshop for the Department of Cinematography, at SRFTI.

Interested firms / bidders are requested to download the tender document from the website of the Institute (<u>www.srfti.gov.in/www.srfti.ac.in</u>) & the tender should reach the office latest <u>by 15-00 Hrs</u> <u>on 23.03.2020</u> in a sealed envelope addressed to the Sr. Manager (M&R), Purchase Section, Satyajit Ray Film & Television Institute, E.M. Bypass Road, Kolkata-700 094.

The tender should be submitted in the enclosed form, furnishing the details of information as sought for therein.

SRFTI reserves the right to accept or reject the tender without assigning any reason.

Thanking you,

Yours faithfully,

(Pranesh Mondal) Satyajit Ray Film & Television Institute

SATYAJIT RAY FILM & TELEVISION INSTITUTE E. M. Bypass Road Panchasayar Kolkata - 700 094

TENDER NOTIFICATON

Tender Ref. No. 58073/02/2019- MPP

Subject: Tender for engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, at SRFTI

Sealed tenders in prescribed forms (in two parts) are invited for engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, at SRFTI

| ii) | Security Deposit | Rs. 20,000/- | | |
|-----|--|---|--|--|
| iv) | Last date of submission of Tender | Upto 15-00 hours on 23.03.2020 | | |
| V) | Date & time of opening of techno- Commercial Bid | At 15-30 hours on 24.03.2020 at the Conference Room of Animation Building in presence of representatives of willing bidders. | | |
| vi) | Opening of Price Bid of the techno commercially qualified tenderers. | To be communicated | | |

The tender will be liable to be rejected if all requisite information are not furnished and all columns are not properly filled up and duly signed by the tenderer.

SRFTI reserves the right to reject any or all the tenders fully or partly without assigning any reason thereof.

Director

SATYAJIT RAY FILM & TELEVISION INSTITUTE E. M. Bypass Road Panchasayar Kolkata - 700 094

GENERAL INSTRUCTION TO TENDERERS

To M/S

Dear Sirs,

Tender Ref. No. 58073/02/2019- MPP

SUBJECT: Tender for engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, at SRFTI

Sealed tenders in prescribed forms (in two parts) are invited from experienced firms for engagement of agency/ Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, at SRFTI

"Special Conditions of Contract" etc. are enclosed.

1. Security Deposit (SD)

Security Deposit (SD) of Rs. 20,000/- to be deposited by the L-1 bidder in the Banker's cheque / Draft from any schedule Bank, drawn in favour of 'Satyajit Ray Film & Television Institute', payable at Kolkata, within 10 days from the date of issue of intimation in this respect. b. Third party draft will not be accepted.

2. Retention of SD

The Security Deposit will be retained by Satyajit Ray Film & Television Institute (SRFTI) without interest, till expiry of contract period of 1 year from the date of contract agreement in this respect. In the event of the contractor failing to execute the contract without sufficient reason acceptable to SRFTI during the contract period, the Security Deposit will be forfeited along with cancellation of the contract

3. Refund of Security Deposit

After expiry of contract period from the date of contract agreement and on completion of all obligations by the contractor, the Security Deposit without interest will be refunded to the contractor subject to the following conditions:-

- a) After deducting the amount from the Security Deposit, which may fall due towards any claim for loss or for whatsoever reasons felt necessary by SRFTI;
- b) The contractor shall have to apply for the refund of Security Deposit along with original Money Receipt issued against Security Deposit;
- c) Before releasing the Security Deposit, the contractor shall also have to submit a certificate to the effect that they have no claim(s) against SRFTI under this contract. If any Bill(s) for the job done under this contract is / are left pending at the time of releasing the Security Deposit, the contractor may furnish the certificate in the following format:

"I/We hereby certify that there are no claims against SRFTI under contract No for the jobexcept to the extent of the claims preferred by me/us as per under-noted bills already submitted to you."

4. Validity period

The tender shall remain valid for acceptance for a period of 03 (three) months from the date of opening of the price part of the tender.

5. Documents for Techno –Commercial Bid.

The tenderer shall submit self attested copies of the following documents along with the Techno-Commercial part of the tender.

- a) Letter of application as per Schedule "A".
- **b)** Proof of experience in the related field of providing Colour Correction / Post Production Lab facilities with at least three (03) reputed Production Houses / Academic Institutions either in the scope of one project or different project.
- c) The tenderer should preferably have fully equipped Lab facilities in Kolkata / Mumbai and the details/proof of the same are to be provided.
- **d)** A detailed client list based in India indicating the name, address, contact person, phone No. are to be furnished by the tenderer.
- e) Valid & relevant Trade License.
- f) Partnership deed (duly attested) in case the tenderer is a partnership firm,

OR

Certified copy of Memorandum of Association in case the tenderer is a company,

OR

Statement indicating the firm is a proprietorship one.

- g) Valid GST Registration Certificate
- h) General information as per schedule "B"
- i) A separate forwarding letter of acceptance of SRFTI's Terms & Conditions.
- j) Signed & stamped copies of SRFTI's Tender Documents (i.e. each page of the tender document needs to be signed & stamped by the tenderer) including cancelled, Blank Rate Schedule i.e. without any price.
- k) Filled in Schedule "D" (Compliance Sheet) regarding Technical Compliance.

Tenderers may please note that non-submission of any of the aforesaid documents/nonfulfillment of any of the aforesaid criteria might lead to techno-commercial disqualification of their offers. The tenderer shall be required to produce documents as mentioned from (b), (f),(g),(h) in original, as and when called for by SRFTI.

6. Manner of submission of tender

The tender must be submitted in sealed covers super-scribed "Tender for engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, SRFTI" and put in the Tender Box bearing the same superscription kept for the purpose in the office of the under-mentioned by 14.00 hours on ***** 2019. The manner of submission of tenders shall be as detailed below:

i) The tender must be submitted in two parts, all under separate sealed covers duly superscribed" **Techno-commercial Bid**" & "**Price Bid**" and all the sealed covers should be kept within the main sealed cover superscribed "**Tender for engagement of agency / Lab for colour correction of students**' practical, exercises & workshop for the Department of Cinematography, at SRFTI"

ii) The sealed cover superscribed "**Techno-commercial Bid**" should contain the documents as mentioned at clause No. 5 above.

- iii) The sealed cover super scribed "Price Bid" should contain only the Rate Schedule duly filled in.
- iv) Tenderer(s) shall have submit their offer in the Specific Tender Box located at the Admin. Dept. Upto 15-00 hours on 23.03.2020

7. Evaluation of Technical Bid

Prior to the detailed technical evaluation pursuant to the "Special conditions of Contract", SRFTI will determine the substantial responsiveness of each bid to the Bidding Documents. For purpose of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviations.

i) A bid determined as not substantially responsive will be rejected by SRFTI and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

ii) The Technical bid evaluation will be done on the basis of bidder's response to "*Model Response Outline*" furnished in <u>*Clause 5*</u>

iii) Representatives of SRFTI may visit any time to Bidder premises to evaluate *Model Response Outline*" furnished in the part "Special conditions of contract" of the Tender Document.

iv) The bidders short-listed by SRFTI based on evaluation of their technical bids may be called for detailed discussions to a team selected by SRFTI for the purpose, at a specified date, time and venue, if needed.

8. Opening of Financial Bids

- i) SRFTI will open the Financial bids of only those bidders which have been found to be technically qualified to undertake the job.
- ii) The Financial Bids of the technically qualified bidders shall be opened in the presence of their representatives, who choose to be present, on a specified date and time and Venue.
- iii) The date and time of opening of financial bids shall be informed to the technically qualified bidder.

9. Evaluation and Comparison of Bids

(i) Bidders shall state their bid price outlined in the <u>Price Bid of the Tender</u> <u>Document</u> which will be evaluated on the basis of the rate quoted.

10. Empanelment/Award Criteria

(a) SRFTI will empanel the successful Bidder(s) whose bid has been determined to be substantially responsive and has been determined as the best evaluated

bid provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

- (b) SRFTI at its discretion may prepare a panel of **successful bidders**, the jobs can be given to a firm who execute quality works within a tight schedule as and when required.
- (c) The lowest quoting vendor (L-1) will be determined on the basis of no. of items quoted lowest by the technically qualified bidders and the financial implication for SRFTI would be the lowest.
- (d) L-1 will have to match the Lowest determined rates of all the items of each quoted configuration together with optional items quoted by any of the responsive bidders. Lowest determined rates would be arrived at by taking lowest rates of all the items quoted by the responsive bidders.
- (e) The bidder offering the second lowest quote (L-2) will then be asked to match the price of (L-1) and placed on the panel. If L-2 does not agree, L-3 will be asked to match L-1. This way 2 - 3 bidders will be empanelled for a given period. If L2 or L3 does not agree to match the rates quoted by L1, then L1 should be the sole vendor.
- (f) As far as possible, the work shall be entrusted to the L-1 firm subject to its commitment of delivering the output as per the requirement of SRFTI.
- (g) This panel may be valid for a period of 12 months (ONE YEAR) from the date of signing of contract/award initially. However, the contract may be extended or curtailed at the discretion of the Director, SRFTI, depending on the performance of the firm.

9 SRFTI's Right to Accept any Bid and to Reject any or All Bids

SRFTI reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for SRFTI's action.

10 Notification of Award

(i) Prior to the expiration of the period of bid validity, SRFTI will notify the successful Bidder through Letter of Intimation sent through email / speed post that its bid has been accepted. The notification of Award will constitute the formation of the Contract.

11 Miscellaneous

- (i) It will be imperative on each bidder to fully acquaint itself of all the local conditions and factors which would have effect on the performance of the work and its cost.
- (ii) During the validity of this bid or during the extended period, if any, if the bidder provides the same or equivalent services to any other Department/ Organization in India at a price lower than the price fixed for SRFTI, the bidder shall automatically pass on the benefits to SRFTI.

a. Factors affecting the Chances of Empanelment

The bidder should have their own Contract support facilities in one premises. The support facilities should be fully owned and managed by the bidder.

14. Rates to be fully inclusive of all expenditure:

The successful contractor must have cleared all duties/taxes and otherwise complied with all rules and regulations of the Central and the State Governments, Statutory bodies, local authorities etc. SRFTI shall not be liable to pay any money to the contractor at all in way of operation of this contract except for the total amount quoted and all other charges/costs should be borne by the

contractor. However, in case of variation in taxes like GST etc. in between the date of submission of tender and the original date of completion of the period of contract or extended period thereof not attributable to the contractor, the same would be considered at actual.

15. Terms of payment:

Payment will be made within 30 days after receiving bills and satisfactory execution of the jobs. The Director, SRFTI reserves the right to make suitable deduction from the Bill in case work is delayed and the quality is not found satisfactory

16. Not bound to accept lowest tender

SRFTI is not bound to accept the lowest tender(s) in part or in full.

17. Dispute:

In the event of any dispute, question or difference arising during the contractual period or during any other time, as to any matter connected with or arising out of the contract, the decision of the Director, SRFTI shall be final and binding upon all parties.

18. Contract Agreement

The successful tenderer(s) shall be required to execute within 07days from the date of acceptance of the tender at his (their) own cost and expenses 'Contract Agreement' on a non-judicial stamp paper valued not less than Rs.50/- (Rupees fifty only) signed jointly by the representatives of SRFTI and successful tenderer under official seals, as per format at **schedule** "C" enclosed with this tender document

19. Termination of Contact

The contract may be terminated anytime within the currency period of the contract by SRFTI at its sole discretion for any of the following factors, after giving 30 days Notice, and for such cancellation, SRFTI will under no circumstance be subject to any liability:-

a) If the contractor fails to carry out the work as per desired specification and/or fails to commission the system within the stipulated period without any valid reason acceptable to Director, SRFTI.

b) Breach of any terms and conditions of contract.

c) Any unlawful act of the contractor(s) on any third party on behalf of the contractor entailing any damage / loss to the property / material of SRFTI or any inconvenience to SRFTI.

The decision of Director, SRFTI to this effect shall be final.

20. Escalation

During the entire period of contract or the extended period thereafter, as the case may be, the contractor shall not be entitled to receive any escalation for any increase in the price of labour, materials, spares or any other items.

21. Deviation

It is impressed upon the tenderer that the instant tender should be based on the conditions and specifications stipulated in the tender documents and that the tenderer shall not stipulate his own terms and conditions in deviation thereof, as apart from the likelihood of vitiating the tender. Such deviations will lead to non-uniformity of tender and make evaluation of tenders difficult and accordingly, will render such tender liable to rejection/cancellation. However, if the tenderer feels that deviation is unavoidable, he should enumerate the same clause-wise along with justification separately and submit the same within the stipulated time to the Director, SRFTI. The decision of the Tender Committee on the proposed deviation will, however, be binding on the tenderers and SRFTI.

Special conditions of contract

Tender Ref. No. 58073/02/2019- MP

Scope of Work

The scope of work includes engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, at SRFTI.

- 1. The selection of a lab pertaining to the professional and industry standard in the practice of cinematography and which at the same time fulfills the criterion of a holistic learning of the student and is cost effective will be done based upon the following technical parameters.
- a) DCI compliant projector based standard (Base light, Lusture, Resolve etc.) Color correction system.
- b) Standardized workflow through the chain to enable viewing in calibrated DCI P3 color space.
- c) Capacity of the lab to provide and support ACES workflow standard.
- d) Colour Correction to deliverables all work under one platform.
- e) Reputation and previous track record of the lab
- f) Reputation, expertise and the work experience of the colorist available
- g) Cost effective package deal

2) HDR Monitors & Image Monitoring

- To preview the HDR image correctly, it is recommended that at least one professional HDR display monitor be used on set/location. The minimum specifications for HDR monitors are as below.
- 3) Recommended HDR Monitors for SRFTI Production

| ionitors for SRF IT Production | | | |
|--------------------------------|-------------------|--|--|
| Manufacturer Model | | | |
| SONY | SONY BVM-HX310 | | |
| 30111 | SONY BVM-X300 | | |
| | | | |
| FLANDERS | FLANDERS XM310K | | |
| TEANDERO | FLANDERS XM311K | | |
| | | | |
| CANON | CANON DP-V3001 | | |
| CANON | CANON DP-V2420 | | |
| | | | |
| EIZO | EIZO CG3145 | | |
| | | | |
| POSTIUM | POSTIUM OBM | | |
| | X310 | | |
| | 1 | | |
| ATOMOS | Sumo , Shogun, | | |
| | Ninja | | |
| | series | | |
| | 1 | | |
| Small HD | 1303 HDR, 1703 P3 | | |
| | | | |

| General Monitor Specifications | | | | |
|--------------------------------|-----------------|-------------------------|--|--|
| | Minimum | Preferred | | |
| Peak Luminance (Lw) | 1,000 Nits | > 1,000 Nits | | |
| Minimum Black (Lk) | 0.005 Nits | .001 Nits | | |
| Contrast Ratio (CR | 200,000:1 | > 1,000,000: 1 | | |
| Color Gamut Modes | P3 | Rec 709 / P3 & Rec 2020 | | |
| EOTF | SMPTE ST-2084 / | SMPTE ST-2084 & Gamma | | |
| | PQ | 2.4 | | |
| Signal path & Monitor | | | | |
| Bit depth | 10 bits | 12 Bits | | |
| Sampling | RGB 4:4:4 | RGB 4:4:4 | | |

| Monitor Calibration | | | | | |
|---------------------|-----------------------|-----------------------|--|--|--|
| | SDR Monitor | | | | |
| Colour Gamut | P3 | Rec.709 | | | |
| White Point | D65 | D65 | | | |
| EOTF | SMPTE ST-2084 / PQ | BT.1886 (2.4 Gamma) | | | |
| Peak White | Model Dependent | 100 cd/m ² | | | |

There are various professional HDR monitors available today for on-set or on-camera HDR monitoring.

4) **POST-PRODUCTION VIDEO**

Colour Grading for Dolby Vision HDR

Colour grading for Dolby Vision HDR is currently supported on the following recommended colour grading software running latest firmware versions.

- □ Film light Base light
- DaVinci Resolve
- Nucoda Film Master
- Autodesk Lustre
- Quantel Rio

The **Dolby Vision Master** must be graded on a HDR display monitor with a minimum peak brightness of 1,000 nits and a minimum contrast ratio of 200,000:1 set for P3 color gamut and PQ (SMPTE-2084) EOTF. A Rec.2020 display may also be used if required (See Annexure 2). An accompanying SDR monitor is highly recommended as well.

| Monitor Calibration | | | | |
|---------------------|-----------------|------------------------|--|--|
| | HDR Monitor | SDR Monitor | | |
| Colour Gamut | P3 | Rec.709 | | |
| White Point | D65 | D65 | | |
| EOTF | SMPTE 2084 / PQ | BT.1886 (2.4 Gamma) | | |
| Peak White | Model Dependent | 100 cd/m ² | | |

The **Dolby Vision Mezzanine** file must include the **Dolby Vision Metadata** which should comprise of the following:

- a. Level 0 Mastering Monitor Information. (Mandatory)
- Level 1 Master Image Analysis (using the "Analyze" tool on the color correction system for 1000 nits target – Mandatory)
- c. Level 2 'Target Trim' Metadata. (Mandatory)

A shot by shot Trim Pass is highly recommended* on the Color Correction system using a Rec 709/100 nit target and viewing the remapped image through a CMU to a Target reference grade display set up for this purpose (Rec709, Gamma 2.4, peak brightness of 100 nits).

The colorist may choose not to apply any trims if the analysis (level 1) metadata produces an acceptable Rec 709 result. It is recommended to review the Rec 709 output of the entire timeline and perform any necessary Dolby Vision Metadata trim adjustments (Level 2) before exporting the XML. The purpose of this trim pass is to best maintain the artistic intent across mapped HDR and the SDR versions.]

a. Level 5 – Active Video Area used

Post the colour grading process a Dolby Vision HDR master will be created and delivered as per the specifications described in Section 3.1

5) PROGRAM DELIVERY SPECIFICATIONS

SRFTI will accept files delivered via electronic transfer (e.g. secure FTP) or via hard disk drive (with USB 3.0, Thunderbolt 2 or better interface) or any other format or means that STAR may deem fit from time to time.

Production house to submit the synopses and scripts to the operations department separately by e-mail to <u>www.srfti.ac.in</u>

All mastered content shall be delivered as files with the following format

6)Time code and Programme Segmentation First frame of program to start at TC 10:00:00:00

- Production house to specify segment break for Broadcast Masters and reproduced in cue- sheets and delivered to SRFTI via e-mail to <u>www.srfti.ac.in</u>
- 7) Video File delivery Dolby Vision Mezzanine Content must be delivered in a "Dolby Vision Mezzanine" file. It can be created using the

Dolby Mezzinator which is included in the Dolby Vision Professional Tools. Alternatively, the Dolby Vision Mezzanine can also be created using partner solutions like Clipster (R&S), Cortex (MTI), DVP (GIC) or Transkoder (Color front).

8) ALL PROGRAMMES CONTENT

| Container | Dolby Vision Mezzanine (MXF) |
|-------------------|--|
| Encoding Profile | Imf_ml6 (16-bits) or bcp5 (12-bits) |
| Width | 3840 |
| Height | 2160 |
| Video Codec | JPEG 2000 |
| Video bit rate | 300 Mbit/s |
| Colour Encoding | RGB / 4:4:4 / Full Range |
| Frames per second | 50fps |
| Colorimetry | P3 D65 (Delivered in REC 2020 container) |
| EOTF | SMPTE ST-2084 (PQ) |
| Scan Type | 50p (progressive) |

9) QUALITY AND TECHNICAL ASSESSMENT Quality Check (QC) – Video

The delivered master file should comply with ITU-R BT.709 for SDR and ITU-R BT.2100 for HDR color gamut

The QC process must begin immediately after the color grading is completed. Both the TIFF sequence and XML Metadata must be checked for quality and integrity.

QC#1 – Check Metadata [XML]

The XML must be checked for errors and inconsistencies using Dolby 'Metafier' (which is included in the Dolby Vision Professional Tools). Metafier will validate the XML (only) and report any errors.

QC#2 – Preliminary Checks

The following preliminary checks will help eliminate any potential errors before a more comprehensive QC is performed.

o Check Durations, Frame Numbering

The duration of the content as specified in the metadata (XML) must match the number of frames that were rendered out of the color corrector. If there is a mismatch, it must be corrected.

o Image Specs/Info

The specifications of the rendered image sequence must conform to that required by STAR. This must be confirmed before sending the content for visual QC or any further processing.

o Color Encoding Fields

The Color Encoding Fields in the metadata (XML) must match the specifications and format of the rendered image sequence. These includes the color primaries, white point, signal range (video/legal/full/data) etc. as defined in section 3.2.

o Mastering Display

The Mastering Display as specified in the metadata (XML) is a parameter that is critical to all the downstream processing that the metadata (XML) will be used for. It is therefore important to ensure that the right Mastering Display is specified in the metadata (XML).

o Aspect Ratio

Check the aspect ratio specified in the metadata (XML) and confirm that it is in accordance with that of the rendered files. The aspect ratio is specified by two variables namely, Canvas Aspect Ratio and Image Aspect Ratio in the metadata (XML).

QC#3 – Comprehensive Check [16bit TIFF + XML]

The 16-bit TIFF + XML must be checked by creating a target deliverable (like Rec 709/100 nits) using Dolby 'CM_Offline' (which is included in the Dolby Vision Professional Tools) and visually checking the result. Any visual errors can be traced back to either the 16-bit TIFF or XML.

Alternatively, the integrity of the 16-bit TIFF + XML can also be checked using partner solutions like Clipster (R&S), Cortex (MTI), DVP (GIC) or Transkoder Colorfront). Content that fails the QC will be rejected before encoding.

10) Rejection Procedure (Delivered Content)

Programs must pass both the Quality and Technical inspections to be accepted by STAR. If a program is rejected, the supplier will be notified (normally via Email) and a new copy of the program will be requested that addresses the points in error.

A written report of the points where the program failed STAR's checks will be provided as

part of the Email. The new file will then undergo the full quality and technical inspection process.

a. Faults Parameters Audio & Video

| Image | Audio |
|---------------------------------------|--|
| Film scratches | Distortion |
| Blemishes | Crackle |
| Grain and dirt | Clicks |
| Smear | Hum and other noise |
| Video noise | Hiss |
| Incorrect gamma | Sibilance |
| Black and white crushing | Incorrect dynamic range (LRA between 6 & 16 LU) |
| Flare | Poor tonal balance |
| Color fringing | Poor acoustics |
| Color cast | Phase errors |
| Poor resolution | Lip sync errors |
| Gamut errors | In-appropriate Dolby encoding |
| Compression artifacts | Invalid Dolby track assignments |
| Bearding | Incorrect application of Noise Reduction |
| Low or excessive contrast range | Incorrect or missing metadata for Dolby E. |
| Unnatural flesh tones | Incorrect critical metadata settings (Dialnorm, Dynamic range setting, downmixing & Channel configuration) |
| Excessive video drop-out | |
| Vertical or horizontal instability | |

QC#3 – Comprehensive Check [16bit TIFF + XML]

The 16-bit TIFF + XML must be checked by creating a target deliverable (like Rec 709/100 nits) using Dolby 'CM_Offline' (which is included in the Dolby Vision Professional Tools) and visually checking the result. Any visual errors can be traced back to either the 16-bit TIFF or XML.

Alternatively, the integrity of the 16-bit TIFF + XML can also be checked using partner solutions like Clipster (R&S), Cortex (MTI), DVP (GIC) or Transkoder Colorfront). Content that fails the QC will be rejected before encoding.

11. Force Majeure:-

In the event of the contractor or SRFTI being prevented from fulfilling its obligation in part or in full arising out of this contract due to any Force Majeure event like acts of God(flood, earthquake etc) or war, civil commotion, strike, etc the effected party shall forthwith but in no case later than 24 hours from the commencement of such event, intimate the other party as to the commencement of such event and continue to intimate after every seven days during continuance of such event. The effected party shall, upon cessation of such event, promptly inform the other party and shall commence its obligation in part or in full arising out of this contact, which was kept suspended due to such event of "Force Majeure".

12. Completion Time:-

Delivery must be completed in full within the delivery period as requested by SRFTI while forwarding the content to the lab.

Schedule- A

Tender Ref. No. 58073/02/2019- MPP

Tender for engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, at SRFTI.

LETTER OF APPLICATION

To: Director Satyajit Ray Film & Television Institute E.M. Bye Pass Road Kolkata 700 094 Sir,

We hereby request to be qualified with Satyajit Ray Film & Television Institute (SRFTI) as a Tenderer for Tender for engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, at SRFTI. Tender No 58073/02/2019- MPP

We authorize SRFTI or its authorized representatives to conduct any investigations to verify the statements, documents and information submitted along with the tender and to verify the financial and technical aspects of this application. For this purpose, we hereby authorize (any public official, engineer, bank, depository, manufacturer, distributor. etc.) or any other person or firm to furnish pertinent information deemed necessary and requested by SRFTI to verify statements and information provided in this application or regarding our competence and standing.

1. The name and position of persons who may be contacted for further information, if required, are as follows:

| Name: | |
|----------------|------|
| Designation: _ | |
| Telephone: | |
| E-mail id: | |

2. We declare that the statements made and the information provided in the duly completed tender documents and in the application herein are complete, true and correct in every detail. On verification at any time in the future if it is found that information furnished in the tender documents and in this application and statements made therein are not true, incomplete or incorrect, we hereby authorize SRFTI to reject our tender along with this application.

3. I/We understand that Satyajit Ray Film & Television Institute reserves the right to reject any application for tender without assigning any reason thereof.

Yours faithfully,

Seal of firm making (Authorized representative of applicant/the application principal tenderer)

Date: Encls:

Schedule-B

Tender Ref. No. 58073/02/2019- MPP

Tender for engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, at SRFTI.

GENERAL INFORMATION

| Company Name: _ | | | |
|--------------------|----------------|---------------------------------------|--|
| Head Office Addres | SS: | · · · · · · · · · · · · · · · · · · · | |
| | Telephone No. | | |
| T AA NO | | | |
| Regional Office A | ddress: | | |
| | Telephone No. | | |
| | | | |
| Local Office Addr | ess: | | |
| | | | |
| FAX No. : | Telephone No | | |
| Country and Year I | Incorporated * | | |
| Main Lines of Busi | | | |
| | | _ since | |
| | | | |
| 3 | | _ since | |

Organization chart showing structure of company including names and position of Directors, General Managers and other key Personnel and total number of qualified key technical personnel in Company's current employment for execution of this project is enclosed.

Schedule -C

CONTRACT AGREEMENT

THIS AGREEMENT made this day of ______, 2019 between the Satyajit Ray Film & Television Institute, Kolkata (SRFTI), an academic Institution under Ministry of Information & Broadcasting, Govt. of India ______(hereinafter called the 'the Institute') or one part and ______ (hereinafter called 'the Contractor' which expression shall unless excluded by or repugnant to the context, be deemed to include its heirs, executors, administrators, representatives and assignees or successors in office) of the other part.

WHEREAS, the Institute is desirous that certain work should be undertaken towards Tender for engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, SRFTI and have accepted the Tender submitted by the Contractor for the execution of such works.

AND WHEREAS, as per Clause no. 13 of "General Instructions to Tenderers", the successful tenderer (i.e the Contractor herein) is required to execute Contract Agreement to be signed jointly by the representative of the Institute and the Tenderer (i.e the contractor herein)

NOW THIS AGREEMENT WITNESSTH AS FOLLOWS:

- 1. In the Agreement, words and expressions shall have the same meanings as are respectively assigned to them in "General Instructions to Tenderers" hereinafter referred to.
- 2. That the following documents shall be deemed to form and be read and construed as part of this agreement viz.,
 - a) The said Tender document and the acceptance of the Tender
 - b) The General Instructions to the Tenderers
 - c) Special Conditions of contract
 - d) Rate Schedule

e) All correspondence by which the contract is added, amended, varied or modified in any way, by mutual consent.

f) Minutes of the Pre- bid Meeting

- 3. That In consideration of the payments to be made by the Institute to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Institute to execute the work in conformity in all respects with the provisions of the contract and the documents described hereinabove at para 2.
- 4. That the Institute hereby covenants to pay the Contractor in consideration of such execution at the contract prices at the time and in the manner prescribed by the contract.

In witness whereof the parties hereto have caused their respective common seals to be hereunto affixed (or hereunto set their respective hands and seals) the day and year first above mentioned.

The Common Seal of the SRFTI, Kolkata was hereunto affixed in the presence of. Name.....

Address.....

Representative of the Institute

Signed, Sealed and delivered at Kolkata in the presence of

Name.....

Address..... Contractor

Date:

<u>Schedule – D</u> Compliance Sheet

| SL No | Compliance | Remarks |
|--|------------|---------|
| Item/Specification | Yes/No | |
| a) DCI compliant projector based standard (Base light, Lusture, Resolve etc.) Color correction system. | | |
| b) Standardized workflow through the chain to enable viewing in calibrated DCI P3 color space. | | |
| Capacity of the lab to provide and support ACES workflow standard. | | |
| d) Colour Correction to deliverables all work under one platform. | | |
| e) Reputation and previous track record of the lab | | |
| f) Reputation, expertise and the work experience of the colorist available | | |
| | | |

Price Bid

SATYAJIT RAY FILM & TELEVISION INSTITUTE

(An Academic Institute under Ministry of I& B, Govt. of India)

Tender No58073/02/2019- MPP

Tender for engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, SRFTI To be submitted at tender box, SRFTI, Kolkata

| 2. | | E-Mail: | |
|----|----------------------------|---------|------|
| 2 | Address of the Firm/Agency | Tel: | Fax: |
| 1. | Name of the Firm/Agency | | |

<u>Price Bid for supply</u> engagement of agency / Lab for colour correction of students' practical, exercises & workshop for the Department of Cinematography, SRFTI

| SL No | Item/Specification | Qty. Set / no. | Unit Rate (in Rs.) Excluding GST (in Rs.) | Total Cost Including GST (in Rs.) |
|----------|---|----------------------|---|--|
| 01 | Colour Correction charges per shift (** Hrs) (This includes data ingestion and conforming charges) | 01 | | |
| 02. | Charges for deliverables (includes DCP, HD mov sub subtitle, . dpx backup I) For 5 minutes II) For 10 minutes III) For 15 minutes IV) For 20 minutes V) For 30 minutes Note:- HDD will be supplied by the Institute | | | |
| | | | | |