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**PTU** PUNJAB  
TECHNICAL  
UNIVERSITY

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

Ref. No. PTU/const/14609

Date: 21/12/06

To

- (i) Sh. N.S. Kalsi, IAS, Director, IT, Govt. of Punjab, Punjab Infotech Corporation, 5-6 floor, Udyog Bhawan, Sector 17-D, Chandigarh.
- (ii) Dr. R.S. Khandpur, Director General, Pushpa Gujral Science City, SCO 60-61, 3<sup>rd</sup> Floor, Sector 34, Chandigarh.
- (iii) Sh. Chandra Mohan, # 202, Sector 36-A, Chandigarh.
- (iv) Sh. S.L. Kaushal, Advisor (Architecture), 2865, Sector 42-C, Chandigarh.
- (v) Sh. A.N. Chowdhry, Chief Engineer, PTU, Jalandhar.

**Subject: Twelveth Meeting of the Standing Building Construction Committee.**

Dear Sir

Twelveth Meeting of the Standing Building Committee shall be held under the Chairmanship Sh. P. Ram IAS, Principal Secretary, Technical Education Punjab on 26/12/06 at 1615 hrs in his office in Mini Secretariat, Sector - 9, Chandigarh. Agenda points for the meeting are enclosed.

You are request to kindly make it convenient to attend the meeting.

Yours sincerely

  
Registrar

CC: P.S. to Principal Secretary, Technical Education, Govt. of Punjab for the kind information of the Principal Secretary

**Encl :** as above.

**PUNJAB TECHNICAL UNIVERSITY, JALANDHAR**

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**Subject: Agenda for the 12<sup>th</sup> meeting of the Standing Building Construction Committee.**

**Agenda Item No. 12.1**

Progress of construction of Buildings

**Agenda Item No. 12.2**

**To consider the application of M/s IVRCL for time extension.**

**Agenda Item No. 12.3**

To approve the enhancement of fee for proof checking of Structural Design by Dr. S.N.Siha, Prof. ITI, Delhi.

**Agenda Item No. 12.4**

To approve pre-qualification of Agencies for Supply & erection of Elevators in Administration Building.

**Agenda Item No. 12.5**

Any other point with the permission of the Chair

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**Subject :** Agenda note for the 12<sup>th</sup> meeting of the Standing Building Construction Committee.

**Agenda Item No. 12.1 :** Progress of Construction of Buildings.

**12.1.1** The work of construction of Administrative Block stands allotted to M/s IVRCL I&P, Ltd since January, 2006 with a time limit of 10 months for the Front four storey Block and 18 month for the complete building which includes eight storey Rear Block with a basement. The roof of the Front Block is being laid and slab at first floor level of the Rear Block is likely to be laid by 20<sup>th</sup> of January. Whereas work in second floor of the completed portion is in hand. Case for time extension is put up as per Agenda Item No. 12.2

**12.1.2** No. Objection Certificate for the construction of compound wall with a set back of 8.5 meters from the road boundary line has been received recently from the Town and Country Planning Department (copy enclosed as Annexure A Page P4. It has been desired that NOC for height and exemption of Schedule Road Act be obtained from Airport Authority and PUDA respectively. Applications have been submitted to these organizations.

**12.1.3** The University has further decided to start the construction of the following buildings of Phase - I I :-

- 18 No type -I residences each having covered area of 61.13 sq meters with an approximate cost of Rs. 1.38crores. Three blocks each of six units have been proposed.
- A Guest House with a reduced scope of one Chancellor's Suite, One VIP suite and ten suites. The building shall be two storeys.

Architects have been requested to supply the tender documents.

**Agenda Item No. 12.2 :** To Consider the application of M/s IVRCL I& P Ltd for time extension.

The work of construction of Administration Building was awarded to M/s IVRCL, by PTU letter no. 378-380 dated 20-01-06 with a time limit of 10 months for the Front Block and 18 months for the complete building with effect from the date of commencement viz 31<sup>st</sup> January, 2006. Ten months period has expired on 30-11-2006. Physical progress has been explained in agenda item no. 12.1 M/s IVRCL vide their letter no. 2276 dated 20-11-2006 have applied for time extension of five months for the front block as well as the rear block viz upto 30<sup>th</sup> April, 2007 and 1<sup>st</sup> December, 2007 respectively. Executive Engineer has submitted paravise comments in the annotated form as per Annexure B Page P6

In brief the reasons put forward and the comments are reproduced below :-

- |   |   |   |
|---|---|---|
| 1 | Delay in Releasing foundation drawing (about one month)-                | The drawing was issued as stated by the agency but in this one month, the agency could hardly mobilize itself. They marked the layout and levels on 06-03-06, whereas they could ever start the excavation as per the tender drawing. |
| 2 | Suspension of work due to revision of foundation drawing on 10-03-2006. | Revised drawing increasing the depth was issued just after 3 days of the start of excavation  |



- 3 Unprecedented Rains  
 4 Non supply of Power by PSEB and thus requiring engagements of D.G sets

There had not been any unprecedented rains. M/s JVKCL should have foreseen and investigated the power situation before hand as projected in the tender documents PTU is not responsible for this.

- 5 Shortage of Manpower due to lot of infrastructure development around Jalandhar/Kapurthala  
 6 Intricate Architectural and Structural design details warranting requirement of additional time.

It should have also been foreseen and investigated before hand. PTU is not responsible for it.

All the details were there in the tender drawings which were supposed to be studied by the Agency before hand.

The Executive Engineer has however recommended time extension by the agency in the interest of the work on account of the following activities which are likely to take time:

There is no arrangement for Water Supply for which tenders have been received on 20-12-06

Tender documents for Sewerage Treatment Plant are yet to be supplied by the Architects. Construction of Service Block has just been started Equipments like Transformers, Generators and LT panels shall be housed in this building. PSEB is still processing the case of power supply, Power is not likely to be made available earlier than April, 2007

The committee may decide the case.

**Agenda Item No. 12.3 :** To approve the enhancement of fee for proof checking of structural design by Dr. S.N. Sinha, Prof. I.I.T, Delhi.

This committee in its sixth meeting held on 02-11-05 decided about the proof checking of the structural design by a reputed agency located at Delhi. The BOG was approached for the appointment of Dr. S.N.Sinha., Professor, IIT, Delhi for the job @ Rs. 5.50p per sq meter for Rs. 1.0 lac approximately which was approved by the BOG in its 21<sup>st</sup> meeting IIT demanded the payment in advance but the University paid Rs. 50,000/- as a first installment. The proof checking is going on smoothly. Total cost of the job worked out to Rs. 150,583/- for an area of 24393 sq meter which has been verified by the Architects and stands paid, as demanded by Dr. Sinha.

The committee may approve the action.

**Agenda Item No. 12.4 :** To approve the pre-qualification of Agencies for Supply and Erection of Elevators in Administration Building.

Expression of Interest for the job was invited through Press for pre-qualification of agencies. Though four agencies responded but none of the reputed agencies like OTIS and KOTE showed any interest in spite of the fact that they were notified through fax and requested on telephone. It appeared that such agencies are over booked and tender procedure of the Govt. Organizations are not acceptable to them. This committee, deliberated on the issue and constituted in its 11<sup>th</sup> meeting held on 31-10-06, the following committee for contacting the reputed agencies and obtain from them the most favorable price and terms and conditions after negotiating the same with them was constituted.

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- i) Dr.V.K.Arora, Dean (Academics)
  - ii) Sh. N.S. Bhatti, Advisor (Electrical)
  - iii) Sh.A.N Chowdhry, Chief Engineer (Construction)
  - iv) Sh. Rajiv Aggarwal, Architect , M/s Archigroup

The committee contacted the representatives of the M/s KONE, OTIS, MITSUBICHI, THYSSENKRUPP and JOHNSON LIFTS at Delhi on 13<sup>th</sup> and 14<sup>th</sup> November, 2006. As per Minutes of meeting of the committee ( annexure 'C'). M/s MITSUBICHI , OTIS and KONE have been recommended to be pre-qualified on the basis of the inputs obtained from the various agencies and keeping in view their sustained reputation regarding the quality of the items and after sale service, particularly as the site is away from the city. Further the committee has recommended to incorporate the conditions demanded by the agencies in the tender document as discussed below :-

- a) Earnest money in the form of Bank Guarantee instead of Bank Draft.
- b) Secured Advance @ 75% of the contract value of the materials
- c) Running payment @90% on installation instead of the practice of the decision of percentage by the Engineer in charge
- d) Deduction of 5% security to be substituted with Performance Guarantee right up to the defect liability period.
- e) Feema clause to be included.
- f) University may open LC for importing of the Elevators by agency.

M/s Archigroup have been requested to incorporate the above conditions in the tender documents. Tender will be issued and received in Architects Office at Delhi and the Prebid meeting will also be held there for proper participation by the senior functionaries of the agencies.

Put up for approval by the committee.



ਨਗਰ ਅਤੇ ਗਰਾਮ ਯੋਜਨਾਕਾਰੀ ਵਿਭਾਗ, ਪੰਜਾਬ

ਵੱਲੋਂ

ਪਿਪਟੀ ਜਿਲਾ ਨਗਰ ਯੋਜਨਾਕਾਰ, 13-ਵੇਂ ਖਾੜਾ ਸੁਠਗਰ, ਕਪੂਰਥਲਾ।

ਸੇਵਾ ਵਿਖੇ

ਰਜਿਸਟਰਾਰ, ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ।

ਮਾਚ ਪ੍ਰੋਜ਼ ਨੰਬਰ 1228 ਡੀਡੀ ਟੀਪੀ(ਕ) SR-1 ਮਿਤੀ 23-11-06

ਵਿਸ਼ਾ

ਅਪ੍ਰਵਾਨਗੀ ਪੈਨਲ ਮਾਰ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ।

ਹਵਾਲਾ

ਮਾਪ ਜੀ ਦਾ ਘੋੜ ਨੰਬਰ ਪੀਟੀਸੂ ਰਜਿਸਟਰਾਰ/ ਕੋਂਸਟਰਕਸ਼ਨ/3479 ਮਿਤੀ 31 ਸੁਠਾਈ 2006

ਹਵਾਲੇ ਤਹਿਤ ਪੱਤਰ ਰਾਹੀਂ ਮਾਪ ਜੀ ਵਲੋਂ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ- ਕਪੂਰਥਲਾ ਰੋਡ ਦੇ ਪੈਨਲ ਦੀ ਪ੍ਰਵਾਨਗੀ ਲਈ ਭੇਜਿਆ ਗਿਆ ਪੱਤਰ ਇਸ ਦਫਤਰ ਵਿਖੇ ਪ੍ਰਾਪਤ ਹੋ ਗਿਆ ਸੀ। ਪੱਤਰ ਠਾਠ ਭੇਜ ਕੇ ਦਸਤਾਵੇਜ਼ / ਪੈਨਲ ਨੂੰ ਟੈਕਨੀਕੀ ਪ੍ਰਵਾਨਗੀ ਲਈ ਮਹਿਕਮੇ ਦੇ ਉਚ ਅਧਿਕਾਰੀਆਂ ਨੂੰ ਭੇਜਿਆ ਗਿਆ ਸੀ ਜਿਸ ਦੀ ਪ੍ਰਵਾਨਗੀ ਮੁਖਨਗਰ ਯੋਜਨਾਕਾਰ, ਪੰਜਾਬ ਜੀ ਪਾਸੋਂ ਪ੍ਰਾਪਤ ਹੋ ਗਈ ਹੈ। ਮਾਪ ਵਲੋਂ ਨਕਲੀਆਂ ਸਬੰਧੀ ਸਕਰੂਟਨੀ ਫੀਸ ਦਾ ਡਰਾਫਟ ਨੰਬਰ 015473 ਮਿਤੀ 21.11.2006 ਇਸ ਦਫਤਰ ਵਿਖੇ ਪ੍ਰਾਪਤ ਹੋ ਗਿਆ ਹੈ। ਮਾਪ ਜੀ ਵਲੋਂ ਭੇਜੇ ਗਏ ਪੈਨਲ ਦੀ ਪ੍ਰਵਾਨਗੀ ਮੁੱਖ ਨਗਰ ਯੋਜਨਾਕਾਰ, ਪੰਜਾਬ, ਚੰਡੀਗੜ੍ਹ ਜੀ ਵਲੋਂ ਹੋਣ ਲਿਖਿਆ ਸੁਰਤਾਂ ਮੁਸ਼ੱਕਰ ਦਿੱਤੀ ਗਈ ਹੈ:-



1. ਬਾਈਟ ਸਿਟਿਲਾਈਜ਼ੇਡ ਤੇ ਪੈਦੀ ਹੈ ਜਿਸ ਕਾ ਕਲ ਪੰਜਾਬ ਰਿਜ਼ਰਵ ਅਰ ਟਾਕਿ ਪੈਨਲਿੰਗ ਅਤੇ ਡਿਵੈਲਪਮੈਂਟ ਐਕਟ, 1995 ਦੀ ਧਾਰਾ 143 ਹੈਲਪਫੁਲ ਸਬੰਧੀ ਠੀਕੀ ਪ੍ਰਵਾਨਗੀ ਕੰਪੀਟੈਂਟ ਅਥਾਰਟੀ ਤੋਂ ਲਿਤੀ ਜਾਵੇਗੀ।
2. ਸਟੈਂਡਰਡ ਸੈਕ ਅਤੇ ਡਾਇਰ ਸੈਕਟੀ ਦੀ ਜ਼ਿੰਮੇਵਾਰੀ ਸਬੰਧਤ ਸਸਥਾ ਦੀ ਹੋਵੇਗੀ।
3. ਬਾਈਜ਼ੀ ਵਾਠ ਦੀ ਉਚਾਈ ਵੱਖ ਵੱਖ ਥਾਵਾਂ ਤੇ ਇਕਸਾਰਤਾ ਨਹੀਂ ਵਿਖਾਈ ਗਈ ਇਸ ਨਈਂ ਬਾਈਜ਼ੀ ਵਾਠ ਦੀ ਉਚਾਈ ਵੱਖ ਤੋਂ ਵੱਖ ਥਾਂ ਤੌਰ ਕੀਤੀ ਜਾਵੇ।

1/ Sanjiv Kumar

No. P/ul/cons-1/ R.W./01/215 01.27-11-06

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L 1/4  
R/R

Case  
2/11

The case for accessibility has been submitted to PUDA vide no.

4. ਅਵੀਜ਼ਤ ਸੜਕ ਨਿਸ਼ੀਤ ਮਾਈਟ ਪੋਲੀ ਹੈ ਜੋ ਕਿ ਤੈ 43 ਮੀਟਰ ਹੈ ਅਤੇ ਮਾਸਟਰ ਪਲੈਨ ਦੀਆਂ ਤਜਵੀਜ਼ਾ ਅਨੁਸਾਰ ਇਸ ਨੂੰ 60 ਮੀਟਰ ਚੌੜਾ ਕਰਨਾ ਤਜਵੀਜ਼ ਕੀਤਾ ਗਿਆ ਹੈ। ਇਸ ਨਈ ਸੰਸਥਾ 1/198 8 1/2 ਮੀਟਰ ਥਾਂ ਆਪਣੀ ਥਾਂ ਵਿਚੋਂ ਇਸ ਸੜਕ ਨੂੰ ਚੌੜਾ ਕਰਨ ਲਈ ਫਿਰਕੀ।
5. ਉਸਾਰੀ ਕਰਦੇ ਸਮੇਂ ਮੰਨਜ਼ੂਰ ਹੋਏ ਪਲੈਨ ਤੋਂ ਹਟਕੇ ਕੋਈ ਉਸਾਰੀ ਕੀਤੀ ਜਾਵੀ ਹੈ ਤਾਂ ਰੀਵਾਟੀਜ਼ਤ ਪ੍ਰਵਾਨਗੀ ਸਮੇਰਕਕ ਅਧਿਕਾਰੀ ਤੇ ਅਤੁਤ ਨਿੱਤੀ ਜਾਵੀ।
6. ਡੇਜ਼ੀਵੀ ਪ੍ਰੋਜੈਕਟਿੰਗ ਰੀਜ਼ ਉਪਕੇਤ ਕਵਰਡ ਏਰੀਏ ਅਤੇ ਖਾਉਡਰੀ ਵਾਨ ਸੰਥੀ ਰੀਜ਼ ਜੋ ਕਿ ਬਿਨਕਾਰ ਵਲੋਂ ਅਦਾ ਕੀਤੀ ਜਾਣੀ ਹੈ।
7. ਬਿਲਡਿੰਗ ਦੀ ਉਚਾਈ ਪੱਖੋਂ ਉਸਾਰੀ ਕਰਨ ਤੇ ਪਕਿਲਾ ਏਅਰਪੋਰਟ ਅਥਾਰਟੀ ਤੇ ਡਿ. ਓ. ਸੀ. ਨਿੱਤੀ ਜਾਵੀ।

ਮੁੱਖ ਮੰਤਰੀ

ਡਾਕੀ/ ਉਪਕੇਤ ਅਨੁਸਾਰ  
ਪਿੰਡ ਅਕਰ ਨੰਬਰ

ਡੀਡੀਟੀਪੀ(ਕ)

ਡਿਪਟੀ ਜਿਲਾ ਠਗਰ ਯੋਜਨਾਕਾਰ,  
ਕਪੂਰਥਲਾ  
ਮਿਤੀ :

ਇਸ ਦਾ ਇਕ ਉਤਾਰਾ ਸੀਠੀਅਰ ਠਗਰ ਯੋਜਨਾਕਾਰ, ਜਲੰਧਰ ਨੂੰ ਉਨ੍ਹਾਂ ਦੇ ਇਸ ਦਫਤਰ ਵੱਲ ਪੱਤਰ ਨੰਬਰ 3113 ਸਟਪ(ਜੇ) ਡੀਪੀ(ਕ) ਮਿਤੀ 10.11.2006 ਦੇ ਹਵਾਲੇ ਵਿਚ ਸੂਚਨਾ ਹਿਤ ਭੇਜਿਆ ਜਾਦਾ ਹੈਜੀ।

ਡਾਕੀ/ ਉਪਕੇਤ

ਡੀਡੀਟੀਪੀ(ਕ)

ਡਿਪਟੀ ਜਿਲਾ ਠਗਰ ਯੋਜਨਾਕਾਰ,  
ਕਪੂਰਥਲਾ  
ਮਿਤੀ :

ਪਿੰਡ ਅਕਰ ਨੰਬਰ

ਇਸ ਦਾ ਇਕ ਉਤਾਰਾ ਮੁੱਖ ਮੰਤਰੀ ਠਗਰ ਯੋਜਨਾਕਾਰ, ਪੰਜਾਬ, ਚੰਡੀਗੜ੍ਹ ਨੂੰ ਉਨ੍ਹਾਂ ਵੱਲ ਸੀਠੀਅਰ ਠਗਰ ਯੋਜਨਾਕਾਰ, ਜਲੰਧਰ ਦੇ ਪਿੰਡ ਅਕਰ ਨੰਬਰ 3114 ਸਟਪ(ਜੇ) ਡੀਪੀ(ਕ) ਮਿਤੀ 10.11.2006 ਦੇ ਹਵਾਲੇ ਵਿਚ ਸੂਚਨਾ ਹਿਤ ਭੇਜਿਆ ਜਾਦਾ ਹੈਜੀ।

ਡਾਕੀ/x

ਡਿਪਟੀ ਜਿਲਾ ਠਗਰ ਯੋਜਨਾਕਾਰ,  
ਕਪੂਰਥਲਾ  
ਮਿਤੀ :



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Annexure B

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Comments on the letter no. IVRCL/PMC/PTU/CM/2006-07/7276 dt. 20<sup>th</sup> November 2006. received from Mr. M S Rao GM (P), IVRCL I&P Ltd. New Delhi regarding Time Extension in annotated form.

Subject :- CONSTRUCTION OF WING A, B & C AT PTU SITE ON JALANDHAR- KAPURTHALA HIGHWAY (CIVIL, ELECTRICAL & PH WORKS) REQUEST FOR EXTENSION OF TIME.

1. Please refer LOI No- PTU/Const/001/378-380, dated 20<sup>th</sup> January 2006. Reference of Letter of Intent is correctly mentioned.

2. The above project was awarded to us vide LOA cited under reference I above, with a contract period of 18 months for Wing A, B & Core and 10 months for Wing C from the date of commencement i.e. from 31<sup>st</sup> January 2006. Immediately after the award of work, with right earnest, we had mobilized all the required resources so as to complete the work well within the Contract Period. However, due to some unforeseen circumstances and certain reasons beyond our control, the construction could not be completed as planned. In this connection we would like to put forward the following, explaining the major reasons, which are beyond our control, for the delays in achieving the scheduled targets to complete the project. We would request your good self to review the same & consider us a suitable & reasonable grant of extension of time to complete the balance work of the project smoothly & successfully within the extended time frame.

3. DELAY IN RECEIPT OF "RELEASED FOR CONSTRUCTION FOUNDATION DRAWINGS" Excavation & layout Drawing was issued on 01.03.06 i.e. within one month of stipulated date of commencement. In this one



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The date of commencement of work was 31<sup>st</sup> Jan 2006, 20 with a time limit of 10 months for completion of wing C (G+3 floors). However, in spite of your best efforts, drawings for layout and excavation work could not be issued to us, in time. We received the excavation and layout drawings on 01-03-2006. The commencement of work got delayed by 30 days.

month period mobilization was to be completed. However the agency could only mobilize its self party in this period. They were not in a position to mark the layout and start excavation on the basis of tender drawings. As recorded in the MB layout was completed on 06.03.06 and ground levels recorded. Thus there is no delay on account of issue of drawings.

**4. SUSPENSION OF WORK DUE TO REVISION OF ABOVE FOUNDATION DRAWINGS:**

The excavation work for the construction of raft foundation and basement started in full swing on the receipt of drawing No PTU/ST/S-01 issued vide letter No PTU/Const/030/1136 dated 01-03-2006 (copy enclosed). After excavation, the site/soil condition was further examined in detail by the Structural Engineers of the consultant. Keeping the safety and structural stability of Wing "A", "B" & "C" in View, the released Construction Drawings were revised by increasing the depth of foundations. The revised set of Construction Drawing No PTU/ST/S-01 Revision I for excavation was issued to us vide letter No PTU/Const/Drg.- RS:-01/1277-1279 dated 10-03-2006 (copy enclosed). In spite of our best effort, we could not give the final finishes to the excavated portion due to the above revision of drawings i.e increasing the depth of foundation and as a result of this, we were forced to suspend PCC and RCC work in foundations. The complete activities for construction of

Revised drawing was issued just after three days of start of excavation. There is no delay on account of revision of drawing.

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foundation and basement of Wing "A", "B" & "C" got delayed by another 15 days. Hence, there was an initial delay of around three months due to which we lost a valuable dry working period before on set of monsoon, which is definitely not attributable to IVRCL, thus warranting additional time for execution.

5. **UNPRECEDENTED RAINS:**

Due to change in climatic conditions in the Northern Region, there had been unprecedented heavy showers in Jalandhar during July/Aug 2006. After a long spell of time, very unusual and unpredictable heavy showers were experienced in Jalandhar. These types of showers were not seen in the past 50 years. We had deployed maximum resources to complete the massive concreting work of 5225 cum for the construction of raft foundation and basement. Due to initial delay of two months as mentioned above, the original scheduled activities got shifted to monsoon period. This shifting of two months and occurrence of early monsoon, which were not at all envisaged, have resulted into cascading delay in subsequent activities and into a situation where in, even after our best effort, we could not maintain the schedule due to repeated flooding of excavated pit & trenches due to heavy rain leading to earth cave-in / side collapses on reinforcement ready for concrete.

There had not been any unprecedented rains. Work was awarded well before the on set of rainy season. Agency could come out of foundations and thus could avoid effect of rains. Since they did not succeed they had to undergo all the process for which they are responsible.

6. Had the final drawings, "good for construction," been issued in time, we would have completed the

Covered in the comments under Sr. No. 5 above.

substantial part of foundation work and would have been in comfortable stage during the monsoon period. Due to these reasons beyond our control, the complete project schedule was affected unexpectedly & resulted in setback by around another 60 days, warranting requirement of additional time for execution.

7. **POWER SUPPLY:** For supply of Electrical Power for our construction activities, we approached PSEB number of times to provide us with power connection on payment basis. But it is our unfortunate that PSEB showed their inability to provide us the power connection due to acute shortage of power in Punjab. Since there was no other alternative left with us, finally we proceeded with the procurement of three DG sets of 30 KVA, 62.5 KVA and 125 KVA, which took considerable time in arranging the same. This has also affected the desired rate of our work progress, which was not envisaged.

IVRCL should have foreseen & investigated the power situation before hand. PTU is not responsible for it. Clause no 2.1.3 (page no. 0064) of the agreement is reproduced below:-

"The tenderer by making a tender shall mean that the tenderer has visited the site, become familiar with local conditions under which the work is to be performed, has correlated the tender's personal observations with the requirements of the proposed contract documents and has made allowances in his rates for any difficulties, site conditions etc. in carrying out the work in accordance with the specifications, conditions of contract etc. even though these may not be specifically mentioned".

8. **SHORTAGE OF MANPOWER:** Construction activities across all the stages of our country have picked up to complete the pending as well as new projects. A lot of infrastructure development is taking place around Jalandhar / Kapurthala. There is an acute shortage of manpower (skilled and unskilled) in construction industry, which was not envisaged. Labour for infrastructure development is

It should have been also foreseen and investigated before hand. PTU is not responsible for it.