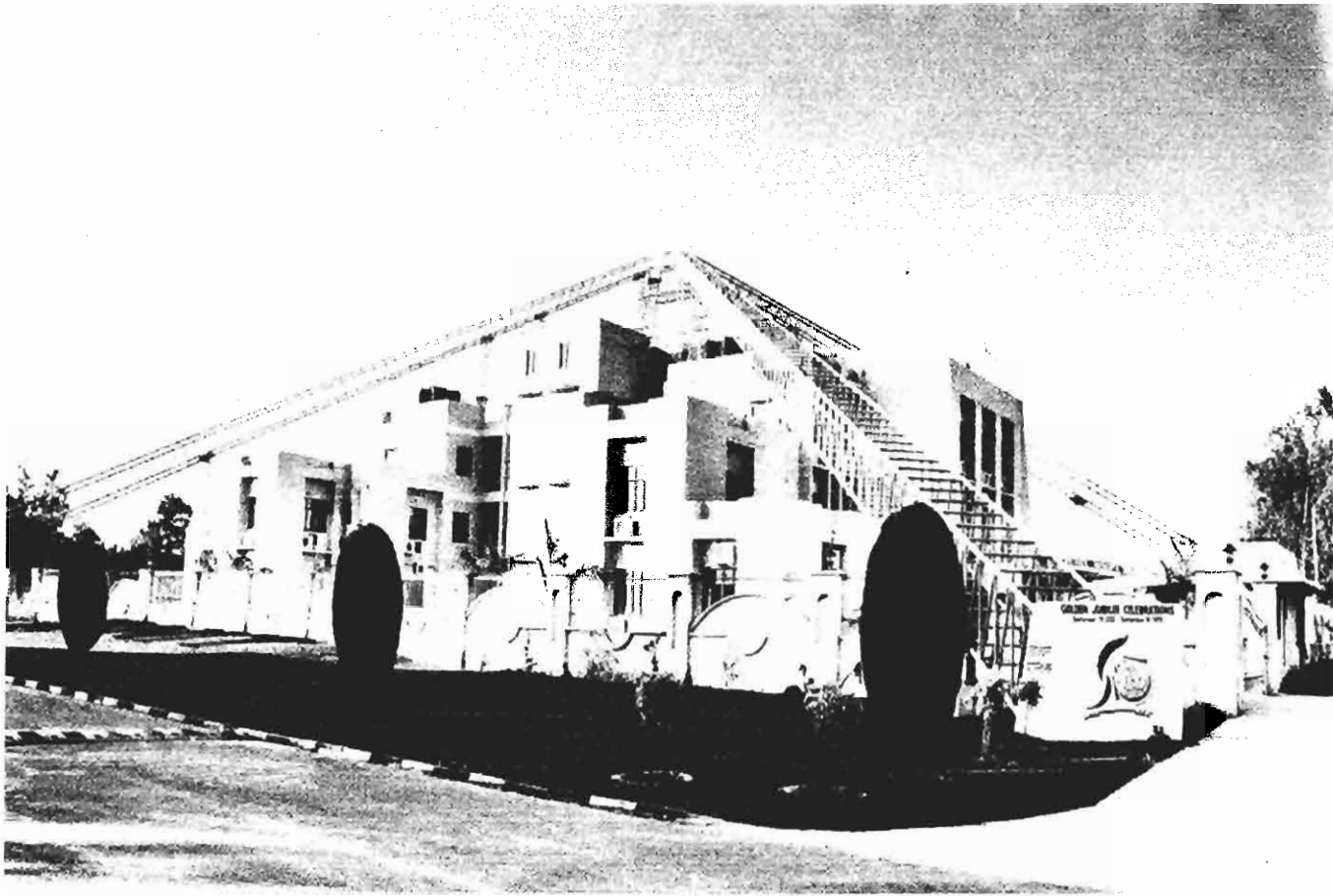




SUPPLEMENTRY AGENDA FOR 25TH
MEETING OF BUILDING &
WORKS COMMITTEE
MAY 27, 2019



NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

**SUPPLEMENTARY AGENDA FOR 25TH MEETING OF
BUILDING & WORKS COMMITTEE**

**VENUE : BOARD ROOM
GOLDEN JUBLIEE ADMINISTRATIVE BUILDING
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

DAY : MONDAY

DATE : 27.05.2019

TIME : 11.00 AM

**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

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25.13	To consider and approve the revised preliminary cost estimate for Construction of Indoor Badminton Hall at NIT, Kurukshetra.	1- 34

MEMBERS OF BUILDING AND WORKS COMMITTEE

- | | | |
|------------|--|-------------------------|
| 1. | Dr. Satish Kumar
Director,
National Institute of Technology,
Kurukshetra | Chairman |
| 2. | Nominee of the Central Government
On the B & WC of the Institute,
(to be nominated by the MHRD)
Through
Director (NITs),
Deptt. of Higher Education,
M.H.R.D., Shastri Bhawan,
New Delhi-110001 | Member |
| 3. | Shri A K Singhal,
Director General (Retired),
C.P.W.D,
Flat No. B-2012,
Gaur Green City Vaibhav Khand,
Indirapuram, Distt. Ghaziabad-202020(UP) | Member |
| 4. | Prof. A. Swarup
Dean (Planning & Development)
National Institute of Technology,
Kurukshetra | Member |
| 5. | Sh. Rajeshwar Tyagi
Executive Engineer (Electrical),
Karnal Central, Elect. Division, 208-D,
HSIIDC, Sector-3,
Karnal (Haryana)-132001 | Member |
| 6. | Sh. C.J. Pasrija
Executive Engineer (Civil),
Karnal Central Division, CPWD
NDRI Campus, Near SBI,
Karnal (Haryana)-132001 | Member |
| 7. | Prof. S. M. Gupta
Prof. in-charge (Estate & Construction),
National Institute of Technology,
Kurukshetra. | Special Invitee |
| 8. | Dr. Aiedapu Mahesh
Faculty- in- Charge (Elect. Mtc & Telephone)
National Institute of Technology,
Kurukshetra. | Special Invitee |
| 9. | Sh. S.N. Kaushik,
Assistant Engineer (Civil)
National Institute of Technology,
Kurukshetra | Special Invitee |
| 10. | Prof. Surinder Deswal
Registrar-Incharge
National Institute of Technology,
Kurukshetra | Member-Secretary |

25.13 To consider and approve the revised cost estimate for Construction of Indoor Badminton Hall at NIT, Kurukshetra.

The Building & Works Committee approved the work of Construction of Indoor Badminton Hall at NIT, Kurukshetra in its 23rd meeting held on 03.06.2017 vide item No. 23.5 for an amount of Rs. 77,20,525/- (copy enclosed), Subsequently the same was approved by the Finance Committee/BOG in 35th meeting held on 05.06.2017 as per Annexure-3 for future planned works (priority wise) & 42nd meeting held on 27.06.2017 respectively (copy enclosed).

After approval of the BOG the Administrative Approval and Expenditure Sanction for an amount of Rs. 77,20,525/- for the Construction of Indoor Badminton Hall was conveyed to Executive Engineer (Civil), CPWD, Karnal vide this office letter no. CC/3492/297/2336 dated 09.05.2018 (copy enclosed).

Accordingly, the Executive Engineer (Civil), CPWD, Karnal invited the tender for the above said work without submitting the DNIT and Structural drawings in the Institute. A letter addressed to Assistant Engineer NIT/KCSD/CPWD, Kurukshetra by the Executive Engineer, Karnal vide letter No.29 (NIT)/PS/KCD/2018/4341 dated 29.11.2018 stating that the approval of technical sanction of detailed cost estimate of Rs. 65,94,914/- against the A/A & E/S of Rs. 77,20,525/- conveyed by NIT, Kurukshetra to CPWD a copy of the same received in this office on 04.12.2018. The Executive Engineer, CPWD allotted the work to the executing agency vide letter no. (Award/NIT)KCD/2019/345 dated 01.02.2019 (copy enclosed). After award of the work to the executing agency by CPWD. A letter received from Executive Engineer, Karnal vide letter No. 20(NIT)PS/KCD/2018/3299 dated 6.9.2018 regarding approval of preliminary architectural drawings. The same were discussed and approved with the consent of the competent authority of the Institute on dated 25.09.2018 and conveyed to CPWD. The location was also finalized by the Institute as per site condition in the presence of JE & AE(Civil), CPWD accordingly the work was commenced by the Executive Agency.

Further, a letter received from Executive Engineer (Civil), CPWD, Karnal vide letter no. 20(NIT)/KCD/2019/1015 dated 29.03.2019, stating that the

following points regarding construction of Badminton Hall were discussed by Superintending Engineer (Civil), CPWD with Professor In-charge (Estate & Construction) on 28.03.2019 in his office:

1. The necessity of heat insulation of proposed badminton hall to avoid heating effect. It was proposed to replace vertical profile sheet with AAC blocks 200 mm thick masonry as filler walls.
2. The increase in cost was also discussed due to actual structural design.

Further the Executive Engineer (Civil), CPWD Karnal submitted the revised cost estimate (RPE) for an amount of Rs. 96,67,800/- vide letter no. 20(NIT)/PS/ KCD/2019/3284 dated 17.05.2019 for the above said work and in continuation a letter also received from AE(Civil), NIT, KCSD, CPWD Kurukshetra vide No. 24(1)/AE/NIT/KCSD/2019/46 dated 20.5.2019 regarding RPE of Rs. 96,67,800/- inclusive of civil and electrical works alongwith the justification as per detail given below:

"The proposed walling system of 'metal sheets' is ineffective in providing thermal comfort to the occupants in the composite climate of the region and thus not conducive to the functional requirements of the building. Therefore, as with the NIT authority and Superintending Engineer (Civil), Chandigarh and Architect has been asked to modify the walling material, keeping other features of the Indoor Badminton Hall as approved. Architect in their drawing has modified the wall with material of higher thermal insulation i.e. 200 mm AAC blocks and adding the window/ ventilators for more day light and better ventilation" (copy enclosed).

The preliminary estimate has been revised based on the modified architectural and structural drawings

In the light of the above facts the cost estimate of Rs 96,67,800/- was put up before the competent authority stating that the amount of revised cost estimate is beyond 10% of A/A & E/S of the work already conveyed to CPWD. The competent authority approved the same to put up before the B&WC in its 25th meeting held on 27.05.2019 as supplementary agenda.

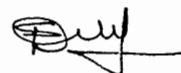
The Building & Works Committee may consider and approve the revised cost estimate for an amount of Rs. 96,67,800/- for the Construction of Indoor Badminton Hall at NIT, Kurukshetra.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

Minutes of the 23rd meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 03rd June , 2017 at 11.00 am in the Board Room of Golden Jubilee Administrative Building of NIT, Kurukshetra.

The following were present:

- | | | |
|----|---|------------------------|
| 1. | Dr. Satish Kumar
Director
National Institute of Technology
Kurukshetra | Chairman |
| 2. | Shri K. N. Rai
Former Chief Executive & Advisor
Ministry of Defense (DRDO)
C-4, 4112, Vasant Kunj
New Delhi | Member |
| 3. | Prof. D.K. Soni
Dean (Planning & Development)
National Institute of Technology
Kurukshetra | Member |
| 4. | Er. R. K. Sao
Superintending Engineer (Electrical)
Chandigarh Electrical Central Circle, CPWD
Kendriya Sadan, Sector-9A
Chandigarh | Member |
| 5. | Er. Mahender Pal Singh
Superintending Engineer (Civil)
Chandigarh Central Circle
CPWD, 2 nd Floor, Kendriya Sadan
Sector-9A
Chandigarh | Member |
| 6. | Prof. Arun Goel
Dean (Estate)
National Institute of Technology
Kurukshetra | Special Invitee |
| 7. | Prof. S. M. Gupta
Prof-in-Charge (E&C)
National Institute of Technology
Kurukshetra | Special Invitee |



(Girls). However, the approval of revised cost estimate from FC/ BOG is awaited.

- Item No.22.4 The work is in progress and the approval of revised cost estimate from FC/ BOG is awaited.
- Item No. 22.5 The work completed and handed over. However, the approval of revised cost estimate from FC/ BOG is awaited.
- Item No. 22.6 The work completed and put to use. However, the approval of revised cost estimate from FC/ BOG is awaited.
- Item No. 22.7 The work completed and put to use. However, the approval of revised cost estimate from FC/ BOG is awaited.
- Item No. 22.8 The work completed and put to use. However the approval of revised cost estimate from FC/BOG is awaited
- Item No.22.9 The work completed and put to use. However the approval of revised cost estimate from FC/BOG is awaited.
- Item No. 22.10 The Administrative Approval & Expenditure Sanction has already been conveyed to CPWD for an amount of Rs. 2, 62, 87,188/- and 1st instalment @ 16.5% of Rs. 2,62,87,188/- has also already been released. However, the approval of revised cost estimate for an amount of Rs.3,72,60,943/- from FC/BOG is awaited.

- 23.3 To consider and approve the modified preliminary-cum-detailed estimate for the construction of peripheral road/patrol path along the external boundary wall of the Institute for security and maintenance purpose at NIT, Kurukshetra.

This item was deliberated upon. It was resolved that the specifications and extent of motorable road and patrol path may be decided and fixed. The revised cost estimate may be put up in the next meeting of B&WC.

- 23.4 To consider and approve the Preliminary Cost Estimate for finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No.-1 at NIT, Kurukshetra.

The Building & Works Committee deliberated on the matter and approved the Preliminary Cost Estimate with an amount of Rs. 31,01,200/- for finishing floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No.-1 at NIT, Kurukshetra.

- 23.5 To consider and approve the Preliminary Cost Estimate for construction of Indoor Badminton Hall in Sports Complex at NIT, Kurukshetra.

The Building & Works Committee deliberated on the cost estimate of

Rs. 54,26,200/- for construction of Indoor Badminton Hall in Sports Complex during discussion in the meeting, CPWD apprised that as per standard norms the height of roof should be 37 feet instead of 25 feet. Accordingly CPWD submitted a revised cost estimate Rs. 77,20,525/- on the spot including provision of facilities of wash rooms etc. and seating arrangement inside the badminton court along with drawings. Details estimate and drawings attached in the appendix 50 placed in the file.

The Building & Works deliberated and approved the revised cost estimate of Rs. 77,20,525/- along with provision of wash rooms etc. in the Indoor Badminton Hall in Sports Complex by increasing the height from 25 feet to 37 feet.

- 23.6 To consider and approve the Cost Estimate for construction of shed for covering the sports complex stairs at NIT, Kurukshetra.

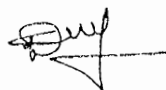
The Building & Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 99,98,900/- for covering the existing seating arrangement in the sports complex at NIT, Kurukshetra. The Committee noted that profiled sheet be used instead of CGI sheets. It was also decided that before execution of the work, the CPWD will discuss all the specifications along with material, design and drawings with the Institute.

- 23.7 To consider and approve the Cost Estimate for supply and installation of "Solarizer" Solar water heating systems' accessories at NIT, Kurukshetra.

The Building & Works Committee deliberated on the matter and approved the Cost Estimate with an amount of Rs. 32,98,558/- for supply and installation of "Solarizer" Solar water heating systems' accessories.

- 23.8 To consider and approve the Cost Estimate for the provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west at NIT, Kurukshetra.

The Building & Works Committee deliberated on the matter and approved the cost estimated of Rs. 27,60,400/- for the provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.



7.2	Providing and fixing precoated galvanised steel sheet roofing provides 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :					12.51	
7.2.1	Ridges plain (500 - 600mm)	20	metre	360.45	7209.00	12.51.1	SR
	Sub-Total				598834.00		
8	FINISHING					13	
8.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					13.61	
8.1.1	Two or more coats on new work	867.4008	sqm	78.40	68004.00	13.61.1	SR
8.2	Synthetic Surfacing of Badminton Court L.S. Cost as given by Client Department. -	1	LS	500000.00	500000.00	13.501	MR
	Sub-Total				568004.00		
	Total				3874311.00		
	Add Cost Index @0.98% (On Estimate Total 3,874,311.00)				37968.25		
	Total				3912279.25		
			Say		3912279.00		
	Add Contingencies @5%				195614.00		
	Add Labour Cess on (A)@ 1%				39123.00		
	Add sale tax on (A)@ 2%				✓78246.00		
	Add service tax on (A)@ 6%				✓234737.00		
	Add EPF & ESIC on (A)@ 6.50%				254298.00		
	Grand Total				4714297.00		
	Total cost of the Estimate as per Height 25 Feet				4714297.00		
	Add for Extra height i.e 37 feet standard height instead of 25 Feet as per PAR 2012 (Rs.270.00 per Feet increase in height per Sqm of area.)						
	12 X 270.00 = 3240.00 Per Sqm increase.						
	Total area of Badminton court = 60' X 60' / 10.76 = 334.57 Sqm	334.57	Sqm	3240.00	1084006.80		
	Add Taxes on this amount 20.50 %				✓222221.39		
				Total	6020525.19		
				Say	6020525.00		
	Add Electrical Expenditure				1700000.00		
				Total	7720525.00		

Assistant Engineer

Executive Engineer
Karnal Central Division
CPWD, Karnal.

4-0-17

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

No. DR (Acc.)/35th FC/2017/ 1314

Dated: 2/8/17

FC 35.23 To approve the minutes of the 23rd meeting of the Building & Works Committee of National Institute of Technology, Kurukshetra held on 03.06.2017

The Finance Committee in its 35th meeting held on 05th June, 2017 has decided as under:

"In view of the decision taken under agenda item FC 35.A.4(c), the Finance Committee considered "future planned works (Annexure-3)" that are part of the 23rd meeting of the Building & Works Committee and decided that the work mentioned at Sr. No. 1 in the Annexure-3 is approved under agenda item FC.35 A4 (b); whereas the works mentioned at Sr. No. 2 & 3 are approved for a sum of Rs.2.00 crores out of the total funds allocated.

Further, the Finance Committee declined to consider rest of the works in Annexure-3 that has been proposed by 23rd BWC meeting."

The above minutes of the Finance Committee has been approved by the Board of Governors in its 42nd meeting held on 27.06.2017.

This is for reference, record and further necessary action in the matter.

Encl: Agenda item


Deputy Registrar (Accounts)

✓ Dean (Estate)

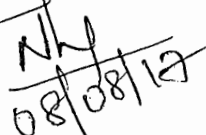
Copy to:

1. Professor-in-Charge, Estate & Constructions
2. Deputy Registrar (Stores)
3. Sr. Secretary to Registrar

P/I (E&C), F I/c (EM&T)

murgul 07.08.2017




08/08/17


7/8/17

-7-

112

CH-54

FUTURE WORKS (PRIORITY WISE)				
Sr. No.	Name of Work	Estimated cost (Rs. In lacs.)	Funds required during the year 2017-18 (Rs. In lacs.)	Funds required during the year 2018-19 (Rs. In lacs.)
1	Supply and installatin of Solarizer Solar water heating systems accessories at NITK	32.99	32.99	-
2	Financial budget estimate for repairs/maintenance work of staff quarters instructional/academic buildings, hostel buildings, water supply& disposal, roads & storm water drains etc. for the year 2017-18 at NIT, Kurukshetra.	266.05	266.05	-
3	Construction of Badminton hall in sports Complex at NIT, Kurukshetra.	77.20	77.20	-
4	Providing Aluminum with pre-laminated board both side decorative at all floors (ground floor, first floor & second floor) in newly constructed 3 storey bearer barrack comprising of 2 blocks to accommodate 96 bearers	32.55	32.55	-
5	Finishing floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boys hostel no. (1-6) and girls hostel no. -1 at NITK	31.01	31.01	-
6	Construction of shed for covering the sports complex stairs at NIT, Kurukshetra.	99.99	-	99.99
7	Provision of access to golden jubilee administrative building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west	27.60	-	27.60
8	Provision of shed for parking only for four wheelers in the existing parking near NIT Market complex.	44.70	-	44.70
Total		612.09	439.80	172.29

178

**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

No: CC/3492/297/2386

Dated 09.05.2018

To

The Executive Engineer (Civil)
CPWD, Karnal Central Division
NDRI Campus (Near State Bank of India)
Karnal-132001

Subject: Administrative Approval & Expenditure Sanction for the construction of Indoor Badminton Hall at NIT, Kurukshetra.

Reference: MoU dated 20.12.2012 & approval of the Hon'ble Director on dated 07.05.2018 for the work as cited in the subject.

The administrative approval and expenditure sanction for the following work with the estimated amount is hereby conveyed for execution.

Sr. No.	Name of Work	Estimated Cost (In Rs.)
1	Construction of Indoor Badminton Hall at NIT, Kurukshetra	Rs. 77,20,525/- (Rupees Seventy seven lacs twenty thousand five hundred twenty five only)

It is also important to note that CPWD will provide the detailed estimate (DNIT) along with architectural & structural drawings for approval from the competent authority of the Institute before calling the tender.

This is being issued after approval of the competent authority.


Prof. I/C (Estate & Construction)

Copy to:

1. Dean (P&D)
2. Faculty I/C (EM&T)
3. D.R. (Accounts), NITK
4. Chief Audit Executive, Internal Audit Division, NITK
5. A.E. (Civil), NITK
6. J.E. (Civil), NITK
7. J.E. (Elect.), NITK
8. SS to Registrar for kind information of the Registrar
9. SS to Director for kind information of the Hon'ble Director
10. Executive Engineer (Elect.), CPWD, 208-DHSI IDC, Sector-3, Karnal
11. Superintending Engineer (Civil), CPWD Chandigarh Central Circle-I, Kendriya Sadan, Sector-9A, Chandigarh
12. Superintending Engineer (Elect.), CPWD Chandigarh Central Electrical Circle-I, Kendriya Sadan, Sector-9A, Chandigarh
13. Chief Engineer (NZ-I), Chandigarh CPWD, Kendriya Sadan, Sector-9 A, Chandigarh

केन्द्रीय लोक निर्माण विभाग
करनाल केन्द्रीय मण्डल
एन.डी.आर.आई. कैम्पस करनाल

DYN01519
DE: 4/12/18

संख्या:- 20(NIT)/यो.शा/क.के.मं/2018/434)

दिनांक. 29/11/2018

ज्ञापन

नीचे लिखे कार्य का विस्तृत अनुमान जिसकी लागत ₹ 65,94,914/- रुपये है, को एतद्द्वारा तकनीकी स्वीकृति प्रदान की जाती है।

कार्य का नाम : Construction of Indoor Badminton Hall at NIT, Kurukshetra.

अनुमान संख्या : 71/EE/KCD/2018-19
मुख्य और निधि शीर्ष :
लघु शीर्ष :
विस्तृत शीर्ष :

कार्यपालक अभियंता
करनाल केन्द्रीय मण्डल
के.लो.नि.वि, करनाल।

प्रतिलिपि :-

1. सहायक अभियंता, एन.आई.टी. कुरुक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि. वि, कुरुक्षेत्र। (आपको निर्देश दिए जाते हैं इस कार्य का खर्च उपरोक्त कार्य की प्रशासनिक स्वीकृति एवं व्यय मजुरी के प्रावधान के अन्तर्गत से अधिक नहीं होना चाहिए।)
2. मण्डलीय लेखाकार, करनाल केन्द्रीय मण्डल, के.लो.नि.वि, करनाल। (आपको निर्देश दिए जाते हैं इस कार्य का खर्च उपरोक्त कार्य की प्रशासनिक स्वीकृति एवं व्यय मजुरी के प्रावधान के अन्तर्गत से अधिक नहीं होना चाहिए।)

कार्यपालक अभियंता

Sh. Subhash JE

[Signature]

[Signature] Please go through the details of the work and make
algorithm for further work please

[Signature] 04/12/18

6/12/18

SA/NEC/11

04/12/18

[Signature] 06/12/18

[Signature] 06/12/18

GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

State HARYANA
Branch KARNAL

Division KARNAL CENTRAL
Sub-Division KARNAL CENTRAL

Name of Work : Construction of Indoor Badminton Hall at NIT, Kurukshetra.

Major Head	Minor Head	Detailed Head
------------	------------	---------------

This estimate framed by Er. Charanjit Pasrija, Executive Engineer, Karnal Central Division, CPWD, Karnal for Rs. 65,94,914/- i/c contingencies.

REPORT

History

This detailed estimate amounting to Rs. 65,94,914/- i/c 5% contingencies has been framed as per architectural drawing no. CA(NR-1)/501/2011/PD/01/R2 to cover the probable cost of the above noted work for accord work of Technical Sanction of the competent authority. This architectural drawing having some modification/alteration was given by the NIT authorities on 25.9.18 during the meeting with S.E. CCC with the remarks as "final drawings for execution". After that as requires by client, Chief Architect Chandigarh was requested to issue modified architect drawings accordingly this office letter no. 20(NIT)D.B/KCD/2018/3467 dated 18.9.18.

The A/A & E/S has been received from client department NIT, Kurukshetra vide letter no. CC/3492/297/2336 dated 09.05.2018 amounting to Rs. 77,20,525/- (copy attached). The corresponding provision for civil work is Rs. 60,20,525/-. For electrical work separate tenders are being invited. Accordingly, this estimate has been framed.

Design

The following provisions have been made in this estimate: -

1. Structural steel for vertical & horizontal members for clear height of 11.10 mtrs. (37 ft.) with MS tube truss frame.
2. MS tubular truss of 3 mtrs. height has been assumed.
3. Precoated galvanized iron profile sheet for roofing & side covering.
4. PCC & RCC 1:1.5:3 as stitch slab.
5. Wooden flooring for badminton court portion & for remaining portion vitrified tiles 600x600.
6. Two doors, one of toughened glass & another rolling shutter for its safety has been taken.
7. Synthetic enamel paint on structural members.
8. Two steps on both sides for viewers gallery with brick work covered with kota stone has been considered.
9. RCC porch & ramp has been taken.

Specification CPWD Specification 2009 vol.I & II.

WC Establishment Shall be met out of contingencies

T. & P. Shall be arranged by the contractor

Available with client department

Rate

As Per DSR 2016 rates.

Method


Through contract after call of tenders

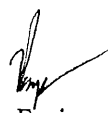
Time

04 Months

Cost

Rs. 65,94,914/- i/c contingencies.


Assistant Engineer (P)
Karnal Central Division
CPWD, Karnal


Executive Engineer
Karnal Central Division
CPWD, Karnal

Abstract of Cost-Original Estimate

State HARYANA

Branch KARNAL

Division KARNAL CENTRAL

Sub-Division KARNAL CENTRAL

Name of Work : Construction of Indoor Badminton Hall at NIT, Kurukshetra.

ITEM No	CODE	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)
1	2	EARTH WORK				
1.1	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.1.1	2.8.1	All kinds of soil.	75	166.40	cum	12,480.00
1.2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	75	125.75	cum	9,431.00
1.3	2.25A	Excavating, supplying and filling of local earth (including royalty) by mechanical transport up to a lead of 5km, also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	109.92	229.80	cum	25,260.00
1.4	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	109.92	917.75	cum	1,00,879.00
1.5	2.28	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.				
1.5.1	2.28.1	All kinds of soil	570	13.95	sqm	7,952.00
		Sub-Total				1,56,002.00
2	4	CONCRETE WORK				
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	62.57	4,209.05	cum	2,63,360.00
2.2	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	83	450.35	sqm	37,379.00
		Sub-Total				3,00,739.00
3	5	REINFORCED CEMENT CONCRETE				

No	CODE	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)
5.1	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
3.1.1	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	62	6,215.35	cum	3,85,352.00
3.2	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
3.2.1	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	3.25	7,145.80	cum	23,224.00
3.3	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	7	7,390.80	cum	51,736.00
3.4	5.9	Centering and shuttering including strutting, propping etc. and removal of form for:				
3.4.1	5.9.1	Foundations, footings, bases of columns, etc. for, mass concrete	139	193.95	sqm	26,959.00
3.4.2	5.9.3	Suspended floors, roofs, landings, balconies and access platform	28.52	422.30	sqm	12,044.00
3.4.3	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	19.55	342.90	sqm	6,704.00
3.4.4	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	14.4	467.85	sqm	6,737.00
3.5	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
3.5.1	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	6200	56.60	Kg	3,50,920.00
3.6	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
3.6.1	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	1500	56.60	Kg	84,900.00
3.7	5.23	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand).	63	143.80	sqm	9,059.00
		Sub-Total				9,57,635.00
4	6	BRICK WORK				
4.1	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				

Sl No	CODE	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)	
4.1.1	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	20.24	4,751.65	cum	96,173.00	SR
4.2	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					
4.2.1	6.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	18.43	5,801.50	cum	1,06,922.00	SR
4.3	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.					
4.3.1	6.13.2	Cement mortar 1:4 (1 cement : 4 coarse sand)	25	684.20	sqm	17,105.00	SR
4.4	6.44	Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	83	39.20	metre	3,254.00	SR
		Sub-Total				2,23,454.00	
5	8	MARBLE AND GRANITE WORK					
5.1	8.3	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.					
5.1.1	8.3.2	Granite work	18.3	245.70	metre	4,496.00	SR
5.2	8.13	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand), laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.					
5.2.1	8.13.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	22.33	2,937.70	sqm	65,599.00	SR
		Sub-Total				70,095.00	
6	9	WOOD AND P.V.C. WORK					

M No	CODE	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)
6.1	9.145	Providing and Fixing factory made PVC door frame made of PVC extruded sections of size 75 mm x 53 mm, having wall thickness 2.0 mm (\pm 0.2 mm). Both verticals sides of the frame reinforced with PVC profile of cross section size 28 mm x 30 mm x 2 mm thickness (\pm 0.2 mm) and 75 mm x 200 mm long, including reinforcing both ends of the top frame with PVC profile. PVC Door Frame and PVC reinforcement profile to be mitred cut, jointed and fusion welded together, including providing and fixing 3 nos of 125 mm long stainless steel hinges to frame, fixing the frame with jamb with required nos & sizes of anchor dash fastener, all complete as per manufacturer's specification and direction of engineer- in-charge.	20.4	472.35	metre	9,636.00
6.2	9.146	Providing and fixing 37 mm thick factory made PVC Door shutter, styles and rails made of PVC hollow extruded printed and laminated section having overall dimension 115 mm x 37 mm with wall thickness 2 mm (\pm 0.2 mm) with inbuilt beading on one side, the styles and rails mitred cut and joint at corners by inserting 2 nos PVC profile reinforcement of size 75 mm x 200 mm long with cross section size of 28 mm x 30 mm having wall thickness 2 mm (\pm 0.2 mm). Styles, rails and reinforcements to be fusion welded together. Only hinge side vertical style to be reinforced with PVC profile reinforcement in full length. Printed and laminated PVC lock rail of size 110 mm x 37 mm having wall thickness 2 mm (\pm 0.2 mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6 mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer's specification and direction of engineer-in-charge.	7.5	3,200.10	sqm	24,001.00
		Sub-Total				33,637.00
7	10	STEEL WORK				
7.1	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	23462.1 23462.09	67.60	kg	15,86,037.00

Sl No	CODE	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)	
7.2	10.6	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.					
7.2.1	10.6.2	80x1.20 mm M.S. laths with 1.20 mm thick top cover	13.5	1,841.40	sqm	24,859.00	S
7.3	10.7	Providing and fixing ball bearing for rolling shutters.	4	379.30	each	1,517.00	SI
7.4	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.					
7.4.1	10.16.1	Hot finished welded type tubes	9430	90.25	kg	8,51,058.00	SI
7.5	10.20	Providing and fixing bolts including nuts and washers complete.	600	96.25	kg	57,750.00	SF
		Sub-Total				25,21,221.00	
8	11	FLOORING					
8.1	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :					
8.1.1	11.26.1	25 mm thick	28.17	1,158.10	sqm	32,624.00	SR
8.2	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	25.04	1,238.20	sqm	31,005.00	SR
8.3	11.31	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	62.6	84.85	metre	5,312.00	SR
8.4	11.33	25 mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with :					
8.4.1	11.33.1	Second class teak wood	179.83	3,094.50	sqm	5,56,484.00	SR


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Item No	CODE	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)	
8.5	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.					
8.5.1	11.41.2	Size of Tile 600x600 mm	186.59	1,119.40	sqm	2,08,869.00	S
		Sub-Total				8,34,294.00	
9	12	ROOFING					
9.1	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50-mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer- in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	1350	550.40	sqm	7,43,040.00	S
9.2	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :					
9.2.1	12.51.1	Ridges plain (500 - 600mm)	18.52	360.45	metre	6,676.00	S
		Sub-Total				7,49,716.00	
10	13	FINISHING					
10.1	13.4	12 mm cement plaster of mix :					
10.1.1	13.4.2	1:6 (1 cement: 6 coarse sand)	90	168.25	sqm	15,143.00	S
10.2	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:					
10.2.1	13.5.2	1:6 (1 cement: 6 coarse sand)	25	194.60	sqm	4,865.00	S
10.3	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
10.3.1	13.61.1	Two or more coats on new work	1504.49	78.40	sqm	1,17,952.00	S
		Sub-Total				1,37,960.00	
11	16	ROAD WORK					

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ITEM No	CODE	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)
11.1	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	40	615.70	sqm	24,628.00
		Sub-Total				24,628.00
12	21	ALUMINIUM WORK				
12.1	21.18	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately).	7.5	4,608.85	sqm	34,566.00
		Sub-Total				34,566.00
		Total				60,43,947.00
		Add Cost Index @3.92% (On Estimate Total 6,043,947.00)				2,36,923.00
		Total				62,80,870.00
		Add Contingencies @5%				3,14,044.00
		Grand Total				65,94,914.00
		Say				65,94,914.00

(Rupees Sixty Five Lakh Ninety Four Thousand Nine Hundred Fourteen only)


Assistant Engineer (P)
Karnal Central Division
CPWD, Karnal


Executive Engineer
Karnal Central Division
CPWD, Karnal



भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

पंजीकृत पावती

Phone : 0184-2250690
Fax : 0184-2250660
e-mail : knleekcd.cpwd@nic.in

केन्द्रीय लोक निर्माण विभाग
करनाल केन्द्रीय मण्डल
एन.डी.आर.आई. कैम्पस,
नजदीक स्टेट बैंक आफ इंडिया
करनाल-132001



Central Public Works Department,
Karnal Central Division
NDRI Campus,
Near State Bank of India
Karnal-132001

An ISO 9001: Certified Division.

LETTER FOR COMMENCEMENT OF WORK

पदक पत्र

संख्या- 54(Award/NIT)/क.के.मं/2019/ 345

दिनांक 11/2/2019

सेवा में,

M/s. PEE AAR Builders,
House No. 118, Sector-15,
Sonapat-131001

N.I.T. KURUKSHETRA

Diary No....21.6.....

विषय : Construction of Indoor Badminton Hall at NIT, Kurukshetra.
(NIT No. 112/EE/KCD/2018-19)

Dated...04/02/19.....

संदर्भ : इस कार्यालय के पत्र संख्या 54(PG/NIT/Badminton)/क.के.मं/2019/169 दिनांक 16.01.2019
एवं आपका पत्र संख्या : शून्य दिनांक 30.01.2019

महोदय,

Your Percentage rate tender for the work mentioned above has been accepted by the competent authority on behalf of the President of India at your Tendered amount of **Rs. 52,93,517/- (Fifty Two Lacs Ninty Three Thousand Five Hundred & Seventeen Only)** which works out to **15.72% (Fifteen Decimal Seven Two Percent Only)** Below against the Estimated cost of **Rs. 62,80,870/- (Sixty Two Lacs Eighty Thousand Eight Hundred & Seventy Only)**.

You are requested to attend this office to complete the formal agreement within seven days from the date of issue of this letter.

You are also requested to contact the Assistant Engineer, NIT Kurukshetra Central Sub-Division, CPWD, Kurukshetra for taking possession of site and starting the work at once. Please note that the time allowed for carrying out the work is **Four Months**, shall be reckoned from **26.01.2019**.

You are requested to comply with provisions of all labour welfare law, Building and other Construction Workers Act-1996 and the building and other Construction Workers Welfare Cess Act-1996. The law enforced by local authorities should also be complied with.

भवदीय,

कार्यपालक अभियंता
(कृते भारत के राष्ट्रपति की ओर से)
करनाल केन्द्रीय मंडल
के.लो.नि.वि.करनाल

प्रतिलिपि :-

1. अधीक्षण अभियंता, चण्डीगढ़ केन्द्रीय परिमंडल, के.लो.नि.वि. चण्डीगढ़ को सूचनाार्थ प्रेषित।
2. निदेशक, एन.आई.टी. कुरुक्षेत्र।
3. आयकर अधिकारी, आयकर कार्यालय, कुरुक्षेत्र।
4. The Dy. Chief Labour Commissioner (Central), Kendriya Sadan, Sector-9A, Chandigarh
5. सहायक अभियंता (अ.अ.), के.लो.नि.वि. केन्द्रीय सदन, चण्डीगढ़।
6. सहायक अभियंता, एन.आई.टी. कुरुक्षेत्र केन्द्रीय उप-मंडल, के.लो.नि.वि. कुरुक्षेत्र (You are directed to hand over the site to contractor after taking EPFO/ESIC/BOCW/Labour License (which ever is applicable), GST Registration Number of Haryana detail activity chart/PERT Chart/programme chart (time & progress) & also informed to division office immediately. Please ensure that no running payment will be made to contractor before receiving these documents from the contractor and labour/Worker Presence/Attendance Register and proof of wages paid to them Register. You are requested to ensure before submit the bill that the payment has been made to worker/labour by the contractor).
- 7-10 सहायक अभियंता(यो.)/कार्यालय अधीक्षक/रोकडिया/सहायक लेखाधिकारी, करनाल केन्द्रीय मंडल, करनाल।
11. मूल करार।
Encl: Form VI-B
12. वर्क फाईल।
13. श्रम प्रवर्तक अधिकारी (केन्द्रीय), कोटी नं. 32, बैंक कालोनी, करनाल।
Encl: Form VI-B

कार्यपालक अभियंता



भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

DY No. 1283
Dd. 10/9/18



कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ
इंडिया, करनाल - 132001
दूरभाष : 0184-2250690
फैक्स : 0184-2250660

Office of the Executive Engineer
Central Public Works Department
NDRI Campus, Near State Bank of India
Karnal-132001. Phone : 0184-2250690
Fax : 0184-2250660
E-mail : cpwdckarnal@gmail.com

संख्या:- 20(NIT)/यो.शा./क.के.मं/2018/3299

दिनांक...08-09-2018

सेवा में,

निदेशक,
राष्ट्रीय प्रौद्योगिकी संस्थान,
कुरुक्षेत्र।

विषय : Construction of Indoor Badminton Hall at NIT, Kurukshetra.

संदर्भ : आपका पत्र सं० CC/3492/297/2336 दिनांक 08.05.2018

Enclosed please find herewith the preliminary architectural drawings for the above mentioned work for approval.

Necessary approval may kindly be communicated at the earliest to go ahead for the work.

(इंजी. चरणजीत पसरीजा)
कार्यपालक अभियन्ता
करनाल केन्द्रीय मण्डल, के.लो.नि.वि,
एन.डी.आर.आई कैम्पस, करनाल।

प्रतिलिपि :-

1. मुख्य अभियंता (उ.अ-1), चण्डीगढ़ केन्द्रीय परिमण्डल, के.लो.नि.वि, सैक्टर-9ए, केन्द्रीय सदन, चण्डीगढ़ पिन - 160009 को सूचनार्थ।
2. अधीक्षण अभियंता, चण्डीगढ़ केन्द्रीय परिमण्डल, के.लो.नि.वि, सैक्टर-9ए, केन्द्रीय सदन, चण्डीगढ़ पिन - 160009 को सूचनार्थ।
3. Professor Incharge (Estate & Construction), National Institute Technology, Kurukshetra for information & necessary action please.
4. सहायक अभियंता, कुरुक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरुक्षेत्र को सूचनार्थ एवं आवश्यक कार्यवाही हेतु।

कार्यपालक अभियन्ता

केन्द्रीय लोक निर्माण विभाग
करनाल केन्द्रीय मण्डल
एन.टी.आर.आई कैम्पस, करनाल

संख्या- 20(NIT)/क.के.मं/2019/ 1015

दिनांक 29/3/19

सेवा में,

ESTATE SECTION

Diary No. 389....

Dated. 30-3-19

✓ Prof. Incharge (Estate & Construction),
NIT Campus, Kurukshetra

विषय : Construction of indoor badminton hall at NIT, Kurukshetra.

As per discussion held in your chamber dated 28.3.2019 with Superintendent

Engineer, Chandigarh Central Circle, CPWD, Chandigarh, the following points were discussed :-

1. The necessity of heat insulation of proposed badminton hall were discussed. To avoid heating effect, it was proposed to replace vertical profile sheet with AAC blocks 200 mm thick masonry as filler walls.
2. The increase in cost due to actual structural design will also be there as discussed.

Accordingly necessity to revise this estimate considering the above requirements was felt. Hence as discussed and desired, the same revised estimate shall be submitted shortly for perusal please.

कार्यपालक अभियंता
करनाल केन्द्रीय मण्डल
के.लो.नि.वि, करनाल।

प्रतिलिपि :-

1. Chief Architect (NZ)-I, CPWD, Kendriya Sadan, Sector-9A, Chandigarh for kind information & necessary action please.
2. Superintending Engineer, Chandigarh Central Circle, CPWD, Chandigarh for kind information please.
3. Assistant Engineer, NIT Kurukshetra Central Sub-Division, CPWD, Kurukshetra to submit the revised estimate as discussed in the meeting urgently.

कार्यपालक अभियंता



भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

ESTATE SECTION
Diary No. 67/1....
Dated..29/5/19.



कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ
इंडिया, करनाल -132001
दूरभाष : 0184-2250690
फैक्स : 0184-2250660

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. Phone : 0184-2250690
Fax : 0184-2250660
E-mail : cpwdckarnal@gmail.com

संख्या:- 20(NIT)/यो.शा./क.के.मं/2019/3284

दिनांक...17.5.2019

सेवा में,

डीन (एस्टेट), /Ref. 11c(ESTC)
राष्ट्रीय प्रौद्योगिकी संस्थान, करनाल
कुरुक्षेत्र हरियाणा।
पिन-136118

please check for further
re please
20/5/19

विषय : Construction of Indoor Badminton Hall at NIT, Kurukshetra.

संदर्भ:-

- आपके कार्यालय का पत्र संख्या CC/3492/297/2336 dated 09.05.2018.
- इस कार्यालय का पत्र संख्या 20(NIT)/क.के.मं./2019/1015 दिनांक 29.03.2019

Please refer to this office letter even no. 1015 dt: 29.03.19, wherein matters related to walls insulation in the proposed Badminton hall and submission of revised estimate due to change in the design were discussed. Accordingly drawing has been revised by the Architect and Structural drawing of the structure has been modified.


- The proposed walling system of 'metal sheets' is ineffective in providing thermal comfort to the occupants in the composite climate of the region and thus not conducive to the functional requirements of the building. Therefore, as discussed with your team and the SE/CCC, architect has been asked to modify the walling material, keeping other features of the Badminton hall as approved. Architect in their drawing has modified the wall with material of higher thermal insulation i.e. 200 mm AAC blocks and adding the windows/ ventilators for more day light and better ventilation.
- The Preliminary Estimate has been revised based on the modified architectural drawing and modified structural design prepared by the NIT KKR.



3. The RPE of the work amounting to Rs. 96,67,800/- along with history sheet is enclosed for approval please. Increase in the cost is mainly due to change in the wall material and RCC framed structure.
4. Earlier, PE of the work was submitted by this office on 31.03.2017. The work was sanctioned for Rs. 77,20,525/- and the A/A & E/S of the work was issued by your office vide CC/3492/297/2336 dated 09.05.2018.

It is requested to issue approval of the **Revised Preliminary Estimate** of the above work so that further decision on the existing agreement or invitation of new tender can be taken.

संलग्न:- प्रारम्भिक प्राक्कलन (Revised)


कार्यपालक अभियन्ता
करनाल केन्द्रीय मण्डल, के.लो.नि.वि,
एन.डी.आर.आई कैम्पस, करनाल।

प्रतिलिपि :-

1. अधीक्षण अभियन्ता, चण्डीगढ़ केन्द्रीय परिमण्डल, के०लो०नि०वि०, सैक्टर १ए, चण्डीगढ़ को उनके द्वारा दूरभाष पर हुई बातचीत के संदर्भ में सूचनार्थ।
2. कार्यपालक अभियन्ता (वै), करनाल केन्द्रीय वैद्युत मण्डल, के०लो०नि०वि०, करनाल को सूचनार्थ।
3. सहायक अभियन्ता, एन. आई. टी. कुरुक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरुक्षेत्र को सूचनार्थ।

1
कार्यपालक अभियन्ता



भारत सरकार

केन्द्रीय लोक निर्माण विभाग

एन.आई.टी. कुरुक्षेत्र केन्द्रीय उप-मण्डल, कुरुक्षेत्र

संख्या:- 24(1)/स.ई./एन.आई.टी./कु.के.उ.म./2019/46
सेवा में,

दिनांक 20/5/19

Prof. Incharge, *ACRE*Estate & Construction, *Put on file as*

एन.आई.टी. कुरुक्षेत्र.

ESTATE SECTION

Diary No. 674.....

Dated 20/5/19.

विषय:-

Construction of Indoor Badminton hall at NIT Kurukshetra.*SA* *20/5/19*संदर्भ:- मण्डल कार्यालय का पत्र संख्यां 20(NIT)DB/KCD/2019/3284
दिनांक 17.05.2019.

In continuation of above referred letter as discussed telephonically the RPE of Rs. 96,67,800/- is inclusive of civil works & electrical works both as per detail below.

Sr. No.	Civil work	Electrical work	Total Amount
(i)	Rs. 67,38,170/-	Rs. 17,00,000/-	Rs. 84,38,170/-
	Total Amount Rs.:-		84,38,170.00
	Add Cost index @3.92% Rs.:-		330776.00
	Total (A) Rs.:-		87,68,946.00
	Add Contingencies @5% (A) Rs.:-		438447.00
	Add labour Cess @1% (A) Rs.:-		87698.00
	Add EPF & ESCI @4.25% (A) Rs.:-		372680.00
	Total Amount Rs.:-		96,67,762.00
	Say Rs.:-		96,67,800.00

प्रियंका

सहायक अभियन्ता,
एन.आई.टी. कुरुक्षेत्र,
केन्द्रीय उप-मण्डल,
के.लो.नि.वि. कुरुक्षेत्र

प्रतिलिपी:- कार्यपालक अभियन्ता करनाल केन्द्रीय मण्डल के.लो.नि.वि करनाल को
सुचनार्थ।

सहायक अभियन्ता,
CPWD (Civil)

24(NIT)

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

State: Haryana

Branch: B & R

Division: KCD

Sub-Division: KCSD

NAME OF WORK: Construction of Indoor badminton Hall at NIT, Kurukshetra.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD
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This revised preliminary cum detailed estimate framed by Er. Mukesh Jain, Assistant Engineer, NIT Kurukshetra Central Sub Division and further processed by Er. Vipin Kumar Arora, Assistant Engineer (P), Karnal Central Division, CPWD, Karnal for Rs. 96,67,800/- i/c contingencies.

REPORT

History:

This revised preliminary cum detailed estimate amounting to Rs. 96,67,800/- has been framed (as per current architectural drawing no. CA(NR-1)/501/2451 to 53/WD/01//R2 copy enclosed) to cover the probable cost of the above noted work for accord of revised A/A & E/S of the competent authority. Earlier the A/A & E/S has been received from client department NIT, Kurukshetra vide letter no. CC/3492/297/2336 dated 09.05.2018 amounting to Rs. 77,20,525/-. The necessity of revision of this estimate is due to the following:-

1. Providing AAC block masonry vertical wall on all sides to avoid heat transmission inside the badminton hall instead of profile sheet vertical walls.
2. Due to increase of quantities considering the revised structural drawings & architectural drawings. (Copy enclosed).

Structural drawings:-

- (i) Section of Truss & Detail (Drawing No. 1/6)
- (ii) Bearing and Base Plate Tie Beam etc. (Drawing No. 2/6)
- (iii) Sectional Details (Drawing No. 3/6)
- (iv) Foundation Layout (Drawing No. 4/6)
- (v) Purlins and Wind Braces (Drawing No. 5/6)
- (vi) Bottom Bracings (Drawing No. 6/6)

Design & Scope:

The following provisions have been made in this estimate: -

1. RCC column and beam as per structural drawings instead of structural steel column.
2. MS structural steel truss as per design.
3. AAC block masonry with cement mortar on all the four vertical walls finished with cement plaster 12mm/15mm instead of profile sheet vertical surface.
4. Precoated galvanized iron profile sheet for roofing.
5. PCC & RCC 1:1.5:3 as stitching slab.
6. Wooden flooring for badminton court portion instead of synthetic flooring & for remaining portion vitrified tiles 600x600.
7. Toughened glass door one no. and another MS rolling shutter for its safety has been taken.
8. External and internal finishing and synthetic enamel paint on structural members required being AAC block masonry.
9. Two steps on both sides for viewers gallery with brick work covered with kota stone has been considered.
10. RCC porch & ramp has been taken.
11. Standard section MS glazed windows, and ventilators as per Architect Drawings. Now taken as per revised architectural drawings.

Specification:

CPWD Specification 2009 Vol. I & II with upto date correction slips.

T & P:

No T & P is required if required Shall be arranged by the contractor.

WC Establishment:

Shall be met out of 5% contingencies.

Land:

Available with client department.

Rate:

Based on DSR – 2016 rates.

Method:


Through contract after call of tender.


Time:

06 Months (After receipt of A/A & E/S)

Cost:

Rs. 96,67,800/- i/c 3% contingencies.


Assistant Engineer (P)
Karnal Central Division
CPWD, Karnal


Executive Engineer
Karnal Central Division
CPWD, Karnal

Original Estimate

Name of Work:- Construction of Indoor badminton Hall at NIT, Kurukshetra.

SLNo	Description	Qty	Unit	Rate	Amount	DSR No.
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					2.8
1.1	All kinds of soil.	166.46	cum	166.40	27699.00	2.8.1
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	100	cum	125.75	12575.00	2.25
3	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	58	cum	917.75	53230.00	2.27
4	Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.					2.28
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					4.1
5.1	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	58	cum	4209.05	244125.00	4.1.10
6	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	72	sqm	450.35	32425.00	4.17
7	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					5.1
7.1	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	116	cum	6215.35	720981.00	5.1.2
8	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					5.2
8.1	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	23	cum	7145.80	164353.00	5.2.2



9	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, aircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	46	cum	7390.80	339977.00	5.3
10	Centering and shuttering including strutting, propping etc. and removal of form for:					5.9
10.1	Foundations, footings, bases of columns, etc. for mass concrete	74	sqm	193.95	14352.00	5.9.1
10.2	Suspended floors, roofs, landings, balconies and access platform	22	sqm	422.30	9291.00	5.9.3
10.3	Lintels, beams, plinth beams, girders, bressumers and cantilevers	243	sqm	342.90	83325.00	5.9.5
10.4	Columns, Pillars, Piers, Abutments, Posts and Struts	248	sqm	467.85	116027.00	5.9.6
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					5.22
11.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	11616	Kg	56.60	657466.00	5.22.6
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					5.22A
12.1	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	15225	Kg	56.60	861735.00	5.22A.6
13	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand).	22	sqm	143.80	3164.00	5.23
14	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					6.1
14.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	1	cum	4751.65	4752.00	6.1.2
15	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					6.4
15.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	17	cum	5801.50	98626.00	6.4.1
16	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.					6.13
16.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	47	sqm	684.20	32157.00	6.13.2
17	Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.	141	cum	6818.60	961423.00	6.38

18	Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	71	metre	39.20	2783.00	6.44
19	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.					8.3
19.1	Granite work	22	metre	245.70	5405.00	8.3.2
20	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand), laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.					8.13
20.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	25	sqm	2937.70	73443.00	8.13.1
21	Providing and Fixing factory made PVC door frame made of PVC extruded sections of size 75 mm x 53 mm, having wall thickness 2.0 mm (± 0.2 mm). Both verticals sides of the frame reinforced with PVC profile of cross section size 28 mm x 30 mm x 2 mm thickness (± 0.2 mm) and 75 mm x 200 mm long, including reinforcing both ends of the top frame with PVC profile. PVC Door Frame and PVC reinforcement profile to be mitred cut, jointed and fusion welded together, including providing and fixing 3 nos of 125 mm long stainless steel hinges to frame, fixing the frame with jamb with required nos & sizes of anchor dash fastener, all complete as per manufacturer's specification and direction of engineer- in-charge.	20	metre	472.35	9447.00	9.145

22	Providing and fixing 37 mm thick factory made PVC Door shutter, styles and rails made of PVC hollow extruded printed and laminated section having overall dimension 5 mm x 37 mm with wall thickness 2 mm (± 0.2 mm) with inbuilt beading on one side, the styles and rails mitred cut and joint at corners by inserting 2 nos PVC profile reinforcement of size 75 mm x 200 mm long with cross section size of 28 mm x 30 mm having wall thickness 2 mm (± 0.2 mm). Styles, rails and reinforcements to be fusion welded together. Only hinge side vertical style to be reinforced with PVC profile reinforcement in full length. Printed and laminated PVC lock rail of size 110 mm x 37 mm having wall thickness 2 mm (± 0.2 mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6 mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer's specification and direction of engineer-in-charge.	6.5	sqm	3200.10	20801.00	-9.146
23	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	7750	kg	67.60	523900.00	10.2
24	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.					10.6
24.1	80x1.20 mm-M.S. laths with 1.20 mm thick top cover	4	sqm	1841.40	7366.00	10.6.2
25	Providing and fixing ball bearing for rolling shutters.	2	each	379.30	759.00	10.7

26	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).					10.11
26.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	1001	kg	113.60	113714.00	10.11.1
27	Extra for providing and fixing steel beading of size 10 x 10 x 1.6 mm (box type), approved shape and section with screws instead of glazing clips and metal sash putty, in steel doors, windows, ventilators and composite units.	276	metre	38.35	10585.00	10.12
28	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.					10.16
29	Providing and fixing bolts including nuts and washers complete.	323	kg	96.25	31089.00	10.2
30	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :					11.26
30.1	25 mm thick	27	sqm	1158.10	31269.00	11.26.1
31	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	27	sqm	1238.20	33431.00	11.27
32	25 mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with :					11.33
32.1	Second class teak wood	180	sqm	3094.50	557010.00	11.33.1
33	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.					11.41

33.1	Size of Tile 600x600 mm	160	sqm	1119.40	179104.00	11.41.2
34	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer- in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	463	sqm	550.40	254835.00	12.5
35	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :					12.51
35.1	Ridges plain (500 - 600mm)	19	metre	360.45	6849.00	12.51.1
36	12 mm cement plaster of mix :					13.4
36.1	1:6 (1 cement: 6 coarse sand)	683	sqm	168.25	114915.00	13.4.2
37	15 mm cement plaster on rough side of single or half brick wall of mix:					13.5
37.1	1:6 (1 cement: 6 coarse sand)	641	sqm	194.60	124739.00	13.5.2
38	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :					13.48
38.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	1325	sqm	98.95	131109.00	13.48.1
39	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					13.61
39.1	Two or more coats on new work	533	sqm	78.40	41787.00	13.61.1
40	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.					21.4
40.1	With stainless steel cover plate minimum 1.25 mm thickness	2	each	2054.40	4109.00	21.4.1

41	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc. complete as per direction of Engineer-in-Charge.					21.12
41.1	Polyester powder coated minimum thickness 50 micron aluminium tubular handle bar	2	each	520.70	1041.00	21.12.3
42	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	2	each	359.00	718.00	21.13
43	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately).	4.4	sqm	4608.85	20279.00	21.18
44	Electrical Provision as intimated by the Assistant Engineer Electrical, CWDP NIT Kurukshetra.	1	L.S.	1700000.00	1700000.00	50.223
	Total				8438170.00	
	Add Cost Index @ 3.92%	3.92%			330776.00	
	TOTAL			(A)	8768946.00	
	Add Contingencies on (A) @	5.00%			438447.00	
	Add Labour Cess on (A) @	1.00%			87689.00	
	Add EPF & ESIC on (A) @	4.25%			372680.00	
	GRAND TOTAL				9667762.00	
				Say Rs.	96,67,800/-	
						
	Assistant Engineer (P)				Executive Engineer	
					Karnal Central Division	
					CPWD, Karnal	

PUC is a revised preliminary cost estimate for an amount of Rs. 96,67,800/- received from Executive Engineer, CPWD, Karnal vide letter No. 20(NIT/PS/KCD/2019/3284 dated 17.05.2019 for the construction of Indoor Badminton Hall at NIT, Kurukshetra. Further, in this regard the matter was discussed by Professor In-charge (E&C) with the Registrar that the revised preliminary cost estimate is beyond 10% of A/A & E/S for an amount of Rs. 77,20,525/- already conveyed to CPWD vide letter No CC/3492/297/2336 dated 09.05.18. So, this estimate is required to be put up before the 25th B&WC meeting will be held on 27.05.2019.

In view of the above, if agreed the Hon'ble Director may accord the approval to put up the above revised preliminary cost estimate as supplementary agenda before B&WC in its 25th meeting scheduled to be held on 27.05.2019.

Submitted for approval please,

[Signature]
22.05.19
Prof. I/C (E&C)

After the approval, the draft agenda shall be put up for approval.

Registrar

[Signature]
22/5/19

Director

[Signature]
22/5/19

[Signature]

[Signature]
22/5/19

Prof. I/C (E&C)
[Signature]
22/5/19

[Signature]
22/5/19