

**MINUTES OF PROGRESS REVIEW MEETING OF BIHAR MUSEUM, PATNA**

EMPLOYER /CLIENT	BIRD/DACY BIHAR PATNA	
MASTER CONSULTANT & EXHIBIT DESIGNER	LORD CULTURAL RESOURCES, CANADA	
CONSULTANT	MAKI AND ASSOCIATES, JAPAN & OROJIS, MUMBAI	
SIGNAGE CONSULTANT	LOPEZ DESIGN, NEW DELHI	
BUILDING CONTRACTOR	LARSEN AND TOUBRO LTD (L&T CONSTRUCTION, B&P), CHENNAI	
	Contract Value	Rs. 280.00 Crore
	Date of commencement of project	03.07.2013
	Date of completion of project	02.03.2015 (Twenty Months)
	First Extension	30.6.2015
	Second Extension	31.1.2016
	Third Extension	31.3.2017
EXHIBIT CONTRACTOR- Children Gallery and Pre Show Gallery:	KINGSMEN FAIRTECH INTERIORS PVT LTD, NEW DELHI	
	Contract Value	Rs 31.36 Crore
	Date of commencement of project	28.8.2014
	Date of completion of project	27.4.2015 ( Eight Months)
EXHIBIT CONTRACTOR- History & Art Galleries, Vastak Storage, Regional & Jilani Damsara Gallery:	CITYNEON JV, SINGAPORE/INDIA	
	Contract Value	Rs 85.50 Crore
	Date of commencement of project	29.12.2015
	Date of completion of project	28.08.2016 ( Eight Months)
DATE & TIME OF MEETING	Monday, 15.01.2018 at 1:30 pm	
LOCATION OF MEETING	29	
MEETING NO.	29	
PURPOSE OF MEETING	To check the Progress of work, discuss and highlight the Contractual and Procedural matters.	
THOSE ATTENDED THE MEETING	Office of the Principal Secretary, CM Secretariat.	
	BIRD	L&T
	DACY	
Mr Chanchal Kumar, Principal Secretary , BIRD	Mr Chaityanya Prasad, Principal Secretary, DACY	
Mr. Kashyap Kumar Gupta - CIE(Patna)BIRD	Mr Anand Kumar, Additional Secretary, DACY	Mr. Ashok Kumar, Project Manager
Mr Asim Kumar, SE, Electrical Circle, BIRD, Patna	Mr Arvind Mahajan, RIDD, DACY	Mr P K Chaturvedi, Electrical Engineer, L&T
Mr Anil Kumar, Chief Architect, BIRD		
Mr. Ram Sagar Prasad, SE south Bihar Circle, BIRD, Patna	BIHAR MUSEUM SOCIETY	Kingsmen (KEI)
Mr. Rabintra Prasad Executive Engineer, Paduputra Division, BIRD, Patna	Mr J P N Singh, Director, Museum	
Mr. M S Yahya, A E (Bihar Museum), BIRD Patna	Ms Moumita Ghosh	Mr Ram Chandra Manjhi, Project Manager
Mr Aditya Kumar, Elect. Executive Engineer, BIRD	Mr Ranbir Singh	
		Cityneon JV
	Lord Cultural Resources	Mr Danish Noor, Project Manager
	Mr Abdul Rasheed	Mr Abhishek Shah

Points		The following points were discussed in the meeting on 15.01.2018	Action / By Date
		L&T	
1	Handing over of the museum Building in L&T scope of work to Additional Director Bihar Museum under Deptt. Of Art, Culture & Youth, Bihar, Patna	The building work done by L&T has been finally inspected by consultant. It was decided that Bihar Museum will also inspect the work done and Additional Director, Bihar Museum will take hand over of building on behalf of DACY from BCD. This will be done in a week.	
2	Extra Lighting works in the exterior on the north, south, east & west side of the museum, extra lights and audio & video in multi-purpose hall of the museum.	The earlier proposal for the exterior lights given by Opolis was not suitable as per requirement of Bihar Museum, Patna. Consultant has been asked to submit alternate proposal. It was decided to instruct Opolis to expedite the process.	
3	Extra Lighting works in main café, additional power points and electrical power connection to the gas bank as requested by café vendor.	Bihar Museum has to give in writing all additional requirement to BCD clearly mentioning the number of additional power points required in café, load requirement of gas bank connection and total illumination required in the restaurant sitting area.	
4	Airconditioning of retail, main café areas as an alternative to ECS system.	The work order has been issued to L&T to do the additional work.	
5	Additional Airconditioning of Lobby area of the museum.	Opolis has sought time to submit the proposal as it will require substantial redesigning of the HVAC system and dismantling and re work.	
6	Exhaust of foul gases and cleanliness of toilets in the museum.	Frequent maintenance and cleaning has to be done by the house keeping staffs of the museum. L&T has been doing some additional work to augment the exhaust capacity as advised by consultant. If the problem persists, Opolis will be asked to review the original design.	
7	Approvals pending with ICR & KFI balance work.	Four number graphics approval to be given by 17.1.2018. All pending approvals by 22.1.2018. KFI will be finishing all pending works including rectification of AV snags and animal footprints by 15.2.2018.	
<b>KFI, New Delhi</b>			
<b>CTTNEON-IV, Singapore &amp; India</b>			
8	Fabrication work of History Gallery C	Three recreations in the gallery- Mamer Sharif, Sher Shah tomb Arch and Patna Saheb to be made in GRFC were found to be overweight as per load given by CNIV. Opolis structural consultant has advised to use light weight material in the meeting on 3.10.2017, ICR and CNIV were given instruction to resolve the issue with suitable light weight material. So far the issue stands unresolved. Hence it was decided that ICR should re-design the gallery in consultation with DACY so that load anywhere does not exceed the floor load bearing capacity.	
9	Fabrication of wooden plinths for the display cases.	The Design Control Document specifies 'smooth painted wood' for the plinths in display cases. ICR recommends use of very low formaldehyde MDF or marine ply for fabrication of plinths in display cases. They are against the use of hardwood (Teak) as suggested by Bihar Museum. ICR has also written a letter to Principal Secretary DACY in this regard. It was decided that DACY would take final decision on the matter on 15.1.2017 and will inform in writing to all concerned.	
10	Closure of galleries for fabrication works.	It was decided that galleries to CNIV will be handed over by Bihar Museum as per following schedule: History Gallery-B, From 20.01.2018 to 15.03.2018; Art Gallery-D, From 01.02.2018 to 20.02.2018; History Gallery-A & Regional Art Gallery-F, 16.03.2018 to 30.04.2018; Visible Storage-E and Diaspora Gallery-G From 01.05.2018 to 30.05.2018	
11	Approvals of submittals of CNIV as recommended by ICR by DACY for some changes in dimensions.	CNIV was asked to proceed with production of all those items in which maximum deviation in outer dimension from that given in Design Control Document is plus or minus five milli metre without asking for any further permission from DACY. In case of glass show cases, thickness will be same as specified in Design Control Document.	
12	Unsuitability of site photographs given by DACY	CNIV will do the balance site photography as required.	
13	Barack for Police personnel and house keeping staff.	DACY and Bihar Museum confirmed that the barrack plan should be made for 30 police personnel and 10 house keeping staff.	

14	Monitoring and supervision of CNJV work.	LCR will monitor and submit a report on the progress of CNJV various work fortnightly to BCD & DACY. If the progress is found unsatisfactory, LCR will advise BCD/DACY for alternative course of action.	Chief Electrical Engineer, BCD will facilitate deputation of a dedicated electrical JE to Bihar Museum.
15	Deputation of a dedicated electrical junior engineer to Bihar Museum.		

Memo : Bhawan/CE/PP/Plan-Misc-8-175/2015 **911 (B)**

Copy to Chief Secretary, Bihar-cum Nodal Officer, Bihar Museum/ Principal Secretary, BCD Patna/ Principal Secretary, DACY/ Engineer in Chief, BCD Patna/ Chief Engineer(Design)/Chief Electrical Engineer,BCD/ S E Design Circle-2 (BCD)/ Secretary(Tech) To Chief Engineer(Patna)/ Director Museum, DACY/ SE south Bihar Circle,BCD,Patna/Chief Architect,BCD/ Executive Engineer, Patliputra Division, BCD, Patna<see patliputra.bcd@gmail.com>/Mr Arvind Mahajan, DACY (arvind290367@gmail.com) / Mr K Kannan, Vice President L&T (ksannan@intec.com) / Sri M S Yahya, AE (Bihar Museum), BCD Patna( msyahya14@gmail.com) /Project Manager,PMU,BCD,Patna/ Mr Rahul Gore, Opolis, Mumbai( rahul@opolis.in) / Mr. Michel van Ackerem(mva@maki-and-associates.co.jp) / eleyland@lord.ca / Akanksha Jain <ajain@lord.ca>/arashveed@lord.ca/ Sri Ashok Kumar, Project Manager, Bihar Museum, Larsen & Toubro, site office, Patna (Ashok Kumar <Askumar@intec.com>)/Anthony Lopez <anthony@lopezdesign.com>/Tejesh Patil <tejesh@opolis.in>/Chae Fei Lee <cheefe.lee@cityneon.com.sg>/ Bipopal Singh <bhopal.singh@cityneonindia.com>, akhemant@lord.ca, jainrajy@kfi-india.com, <sanandkumar.jr@outlook.com>/Mounita Ghosh <mmounitagr23@gmail.com>/Ranbeer Singh Rajput <rmcuratorhistory2015@gmail.com>/KEN FONG <ken.fong@cityneon.com.sg>/Norsila Nooman orsila.nooman@cityneon.com.sg>,DI5MONND ANG <diamond.ang@cityneongroup.com>,Danish Noor <danihshe@cityneon.com.sg> for information.

(Laxmi Narayan Das)  
Engineer in Chief, BCD

Dated **29.1.18**

(Laxmi Narayan Das)  
Engineer in Chief, BCD



**29/1/18**