



NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS

(An autonomous Institute of Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India)

P. O. N. S. S., Kalyani - 741251, Nadia, West Bengal

TENDER DOCUMENT

**Name of the work: Maintenance and Up Gradation of Compound Lighting System
Comprising - Street Lights, Walkway/ Portico Globe Lights, 5 M/ 6M/8M Poles, IP 66
Compliant JBS, Underground Cables / MCBs/ etc.**

January, 2020

NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS
P.O.: N.S.S., KALYANI 741 251, NADIA, W. B.

TENDER NOTICE

NIT No. NIBMG/ Comp. Lighting System/2019-20/42

Date: 21.01.2020

Sealed tenders in duplicate under two cover system are invited from experienced and resourceful contractor who fulfil the eligibility criteria for participation in the tender process, for the following work in NIBMG Campus at Kalyani, West Bengal.

SL. No.	Name of the work	Estimated Cost (Rs. in Lacs)	Completion time in Months/days (including Monsoon)	Earnest Money (Rs.)
1.	Maintenance and Up Gradation of Compound Lighting System Comprising - Street Lights, Walkway/ Portico Globe Lights, 5M/ 6M/8M Poles, IP66 Compliant JBS, Underground Cables, MCBs/Etc.	17.04	30 days	34,000.00

Earnest Money will be accepted in the form of Bank Draft drawn in favour of the 'NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS', payable at Kalyani on any Nationalised Bank.

EMD of the successful bidder will be released along-with the Final Payment release.

EMD of the un-successful bidder to be released after issue of Work order.

Intending Bidders may kindly visit the Institute website www.nibmg.ac.in for downloading the tender documents and for other details.

Eligibility Criteria

Bidders should fulfill the eligibility criteria laid down hereunder and they should satisfy themselves about their eligibility before submitting the tender. The bidders should submit the documents/credentials in Cover-I of the bid against criteria no. 1 and 2 to substantiate their eligibility to participate in the tenders.

1. Minimum 5 (five) years' experience of having successfully completed works of similar nature with CPWD, State PWD, MES, Railways, Autonomous Bodies, any Reputed Organization and for

following value of work during last 5 (Five) years ending last day of month previous to the one in which tenders are invited.

- a) Two similar completed works costing not less than Rs 10.22 lakhs each.
- b) One similar completed work costing not less than Rs 13.63 lakhs.

2. The following particulars are also required to be furnished in a separate sheet & submitted along with the relevant documentary evidence in Cover-I of the bid:

- i) Name of the Organisation :
- ii) Address :
- ii) Year of Establishment :
- iv) Status of the firm – whether
Company/Firm/Proprietary :
- v) Whether registered with the Registrar
of Company/Registrar of Firms. If so,
mention number and date :
- vi) Registration details of the firm with
CPWD, State PWD, MES and Railways :
- vii) Details of similar work and its value of
work done with completion certificate
during last 5 year :
- viii) Name and address of persons who will
be in position to certify about the quality as
well as performance of your organization :

3. The bidders should also submit the photocopies of following documents in Cover- I of the bid:

- i) Valid GST Registration Certificate
- ii) Professional Tax Registration Certificate
- iii) PAN Card
- iv) Valid Trade License Certificate

4. Terms and Conditions:

- i) Rate should be inclusive of all taxes, duties and all other applicable taxes on date, levies, insurance, transport cost etc. except GST. GST will be paid extra as actuals at the rate prevailing at the time of invoicing.
- ii) New imposition of taxes and variations, if any, will be borne by the Contractor, except GST, which will be paid as per actual.
- iii) Security Deposit will be deducted @ 10% (Ten percent) of the Bill value from each bill and the same will be released after satisfactory completion of Defect Liability Period. Defect Liability period is of 06 (Six) calendar months which will be reckoned from the date of successful completion and handing over / taking over of the assigned work. However, all warranty from the suppliers of the supply items will be applicable back to back for supplies to NIBMG.
- iv) Quantities in BOQ are tentative. Payments will be made on basis of actual measurements.
- v) Valid insurance papers covering accident related expenditures/claims should be submitted at the time of deployment at site.
- vi) The job should be completed in 30 days of time from the date of issue/ receipt of technically clear work order
- vii) NIBMG will not provide any accommodation to the workers/supervisors engaged for the work.
- viii) Custody and storage of material is the responsibility of the contractor.
- ix) Electrical power for construction work will be provided at site on chargeable basis.
- x) Settlement of any claim arising out of accident / death of any person deployed by the contractor at site will be the sole responsibility of the contractor.

5. Payment Terms:

Payment will be made on the basis of actual execution after submission of RA bills. First RA bill can be raised only after 30% completion of job. The final payment will be made after successful completion and Handing over / Taking over of the job. No mobilization Advance will be paid.

- 6. The contractor shall take necessary action to fulfil all applicable statutory obligations as required to execute the work.
- 7. The work order can be terminated if any of the contract terms are violated by giving 7 (seven) days' notice from the competent authority of NIBMG at any stage of work.

8. All disputes arising out of or in any way connected with this work order shall be deemed to have been arisen in Kolkata and only the Court in Kolkata shall have jurisdiction to determine the same.
9. Tender in duplicate will have to be submitted in two parts – Cover-I Technical Bid & Cover-II Financial Bid separately sealed and superscripted with the name of work.

Cover-I : **Cover-I (Technical Bid)** shall contain Earnest Money, all documents supporting fulfilment of eligibility criteria & commercial & general stipulations mentioned in the Tender Documents.

Cover-II: **Cover-II (Financial Bid)** shall contain the complete tender documents duly filled in duplicate. No condition stipulated in Cover-II other than general rebates shall be accepted. The Financial Offer of the prospective tenderer/bidder will be considered only if the Technical Bid of the tenderer is found qualified by the ‘Tender Evaluation Committee’ of NIBMG. The decision of the ‘Tender Evaluation Committee’ will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website.

10. **Pre-bid meeting with the intending bidders will be held on 28.01.2020 at 2:30 PM in the institute.**
11. **Tenders (Cover-I & Cover-II put in a separate sealed cover) will be received up to 12-00 Noon on 10.02.2020 and will be opened on the same day at 4:00 PM** in the office of the Manager (Finance), National Institute of Biomedical Genomics, P.O. N.S.S, Kalyani 741 251, West Bengal in presence of the contractors or their authorized representatives who may like to be present. Cover-II (Financial Bid) of the bidders who qualify in Technical Bid evaluation will be opened on the same day in presence of bidders, as finalized by NIBMG and displayed in website. The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Manager (Finance)
On behalf of Director, NIBMG

Technical Bid

National Institute of Biomedical Genomics, Kalyani

MAINTENANCE AND UP GRADATION OF COMPOUND LIGHTING SYSTEM COMPRISING – STREET LIGHTS, WALKWAY/ PORTICO GLOBE LIGHTS, 5 M/ 6M/ 8M POLES, IP66 COMPLIANT JBS, UNDERGROUND CABLES/MCBs/ETC.

(Tender No. NIBMG/ Comp. Lighting System/2019-20/42, dated 21.01.2020)

1	Name of firm		
2	Address of Organization in Kolkata		
3	Established on		
4	Statutory Registration Nos.		
	a) GST Registration No.		
	b) Professional Tax Registration certificate		
	c) Income Tax PAN Card No.		
	d) Valid Trade License Certificate		
	Any other No., Please specify		
5	Name of the authorized signatory		
6	Specimen Signature of the Authorized signatory.		
7	Telephone Number of the authorized signatory and other Telephone Number of the firm.		
8	Details of the works executed during the last five years. Copies of work orders may be enclosed.	Year	Rs.
9	Whether proof/copies of work order on items at S.No. 8 enclose (Yes/No)		
10	List of copies of documents enclosed.		

DECLARATION BY VENDOR/SERVICE PROVIDER

I confirm that:-

1) I, _____ Son / Daughter / Wife of
Shri _____ Proprietor/Director/Partner/Manager Resident of
_____, authorized signatory of the
Agency/Firm, _____, am competent to sign this Declaration and
execute this application document.

2) No employee or direct relation of any employee of NIBMG is in way connected as Partner /Shareholder/Director/Advisor/Consultant/Employee etc. with the Company.

3) The information furnished is correct to the best of my knowledge and belief.

4) I have read and understood the general instructions to vendors and undertake to abide by the same.

.....
(Signature of Proprietor/Partner/Chief Executive)
Name
(In Capital Letters)
(Seal of Service Provider)

Place:
Date:

Financial Bid

BOQ FOR MAINTENANCE AND UPGRADATION OF COMPOUND LIGHTING SYSTEM COMPRISING - STREET LIGHTS, WALKWAY/ PORTICO GLOBE LIGHTS, 5 M/ 6M / 8M POLES, IP66 COMPLIANT JBS, UNDERGROUND CABLES/MCBs/ETC.

Sl. No.	Jobs	Qty.	Rate (Rs.)	Amount (Rs.)
1	Replacement of damaged underground cable: excavation (0.7 mtr. deep)/refilling/ Cable supply / laying / Tunneling (for road crossing) sand, Brick cushioning - 4 Core X 10 Sq. mm. Aluminium, Multistrand, Armored.	1500 Mtrs.		
2	Dismantling, replacement (with new supply) and rewiring (water sealing of cable joint, if any)of IP 66 compliant Pole Mount JBs for Street lights (see specs. in Annex. 1)	160 Pcs.		
3	Dismantling and Replacement of HPSV Luminary with retrofit LED Lamp Head (70 W / 80 W) (see specs. in Annex. 1)	15 Pcs.		
4	Dismantling and Replacement of Luminary with retrofit LED Lamp Head 50 W (see specs. in Annex. 1)	80 Pcs.		
5	Repair / Replacement / Retrofit of 12" LED Globe light (35 Watts) (see specs. in Annex. 1)	60 Pcs.		
6	Aluminium paint of poles (5/6/8 mtrs.) as required, 2 coats as per PWD, West Bengal spec. Schedule of Rates, Electrical work, Volume I, 2017 for OH Line Installation (LT Distribution, Section) H-1 to H-6.	155 nos.		
7. i)	Supply: Supplying of 6 M long steel tubular pole 410 SP -13 conforming to IS 2713 (Part II) 1986, having dimensions bottom 114.3 mm OD X 3.65 mm thick X 3.5 mtr. long, middle 88.9 mm OD X 3.25 mm thick X 1.25 mtr. long, top 76.4 mm OD X 3.25 mm thick X 1.25 mtr. long with 1/6 th of the pole length to be buried below the ground level.			
ii)	Erection: Erection of single steel tubular pole of length 8 mtrs/6mtrs/5 mtrs with/without sole plate and cap etc in CC foundation having 600 x 600 x 150 mm thick CC (4:2:1) base block below sole plate / pole with hard Jhama metal including CC (6:3:1) muffing 0.30 mtrs dia and 0.30 mtrs above ground level including 3 mm thick neat cemented finish and GI earth bolt after making drilled holes etc. on pole and carriage of pole to work site including filling up the excavated earth pit with shifted soil and ramming properly.	10		

iii)	<p>Painting: Painting of steel tubular pole of 8 mtrs. /6 mtrs. / 5 mtrs. length and number of costs of paint as given below with ready mixed paint/primer of approved make and brand including preparation of surface by sand paper / emery paper, Cleaning etc. for receiving fresh coat of paint.</p> <p>a) 1st coat of aluminium paint over 1 coat of Red Oxide primer.</p> <p>b) 2nd coat of aluminium paint over 1st coat.</p>			
iv)	<p>Pole Earthing: Pole earthing with M S rod 1853 mm (i.e. 25 + 1752 + 76) long fabricated from 20 mm diameter rod, the bottom of which is to be made out of the same rod in the shape of a cone 76 mm long and the forged head made out of the same rod with 30 mm (dia) 25 mm (long). The earthing arrangement should consist of GI bolt / nut and washers.</p> <p>Supplying and laying of 6 SWG GI wire at 0.50 mtr below ground level for conductor earth electrode including connection/termination with GI thimble etc. as required.</p>			
v)	<p>Wiring: Supply and Wiring of IP 66 compliant pole mount JB's as per 'specification for JB (item 2, in Annex. I)', comprising one 6A, SP, MCB of 10 KA breaking current.</p> <p>Wiring with 3 X 1.5 sq. mm single core PVC insulated copper conductor wire in 20 mm dia rigid/flexible PVC conduit from JB to light fittings through pole/bracket/wall etc. (in case wiring already available, then only termination is to be made) and making necessary connections.</p>			
				Total
Total in terms of '+' or '-' percentage of the 'Estimated Cost' + or - (%)				

(Rupees.....only)

Note: Rate should be quoted excluding GST.

.....
 (Signature of Proprietor/Partner/Chief Executive)
 Name

(In Capital Letters)

Place :

(Seal of Service Provider)

Date :

Annexure I

Specification for LED Lamp Head (items 3, 4)

Sl. No.	Spec.Item	Value
1	Wattage	35/50/80 watts
2	Lumen / Watt, Colour	≥ 100, Warm White
3	THD	≤ 20 %
4	PF	≥ 0.95
5	CRI	≥ 70%
6	Life in Hrs.	≥ 50,000
7	Light Beam spread	≥ 160°
8	Warranty	≥ 2 yrs.
9	IP rating	> IP66
10	Line Voltage	100 – 270 VAC
11	Ambient Temperature	Temp.- 0° C to 55°C
12	Weight Limit	3.5 Kg.
13	Preferred Brands	1. Oreva, 2. Havells, 3. Phillips, 4. Bajaj, 5. Panasonic, 6. Syska, 7. Crompton.

Specification for Junction Boxes (item 2)

Sl. No.	Type	Features
1	<u>Junction Box</u> Size: 185/165/60, Type: Hinged (L)	1.Type – SMC, Non-fusing Shockproof and rustproof 2.Fire Proof- Fire retardant – Class FV -0- As per IS: 11731 Part-II 3. Temperature tolerance -High heat distortion temperature - 200°C (as per IS: 10192) 4. Application- Outdoor, 100% weatherproof (IP -67 complied) 5. Cable entry - from bottom and / or sides 6. Pole mounting arrangement- Tamper proof- Maintenance- free.

Specification for Globe Light Head (item 5)

Sl. No.	Spec. Item	Value
1	Size	12"/10" with post top attachment base(4")
2	Material	UV stabilized Acrylic Plastic/Polycarbonate
3	Colour	White (Milky)
4	Post Top Base (Colour/Size/Material)	Black/4" (globe side) /2.0" (Post Sides)/Acrylic / Polycarbonate
5	Luminary (Type/Wattage/Fitting)	LED / 35 Watts / E 27 type threaded holder fitting.

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