

Syama Prasad Mookerjee Port, Kolkata

**हल्दिया गोदी परिसर
HALDIA DOCK COMPLEX**

NOTICE INVITING LIMITED TENDER ENQUIRY

Subject: Supply & Delivery of 05 Nos. Self-Generating Mobile Lighting Towers at Haldia Dock Complex.

Reference: Enquiry No.: SDM(P&E)/1051/ ENQ/11/01 to 5 dated September 24, 2020

Plant & Equipment Division, under Haldia Dock Complex, Syama Prasad Mookerjee Port, Kolkata, invites competitive offers, for executing the subject work, from the following shortlisted firms:

- i) Kundlia Industrial Corporation.
- ii) S. C. Sons Pvt. Ltd.
- iii) Imperial Industries.
- iv) Engineering Consultants.
- v) Orchid Mercantiles (Pvt.) Ltd.
- vi) Reliance Refrigeration Co.

The above-mentioned firms are requested to submit their offers, in response to the enquiry letters uploaded alongwith this notice for limited tender enquiry. Bid(s) received from uninvited bidders will be treated as unsolicited and will not be entertained.

Enclo.: Annexure-I , Annexure-II, Annexure-III & Annexure-IV.



S.Chakrabarty
Sr. Dy. Manager (P&E)
for General Manager (Engg.)
Haldia Dock Complex
Syama Prasad Mookerjee Port, Kolkata

INSTRUCTIONS TO BIDDERS (ITB)

Name of the Work: Supply & Delivery of 05 Nos. Self-Generating Mobile Lighting Towers at Haldia Dock Complex.

- 1.1. All the bidders shall have to quote, only in one place, a percentage (%) above / below {Less (-) or Excess (+)} [In case the bidder intends to quote at par with the estimated amount then they have to indicate "0" (zero)] the estimated amount (as a whole) shown in this Price Schedule.
- 1.2. The percentage (%) [above / below / at par], to be quoted by the bidder in the appropriate format, furnished in Annexure-II, "PRICE SCHEDULE", considering the Technical Specifications, Scope of Work and other Terms & Conditions, as detailed in Annexure-III & Annexure-IV. One copy of the Enquiry Letter, along with all enclosures [Annexure -I, Annexure-II, Annexure-III & Annexure-IV] should be submitted (in sealed cover), duly signed and stamped on each page, as token of acceptance. The 'Price Schedule' (as per Annexure-II), duly incorporated the quoted percentage (%) [above / below / at par], should be also be submitted (duly signed at appropriate places) in the aforesaid sealed cover.
- 1.3. The bid shall be typed or written in indelible ink and all pages of the bid shall be stamped and signed by a person duly authorised to sign on behalf of the Bidder.
- 1.4. The Bidder shall submit complete bid and the same shall be without alterations, interlineations or erasure effect, except those to accord the instructions issued by SMP, Kolkata or as may be necessary to correct errors made by the bidders. Person(s) signing the bid shall have to put their signature against all such cancellations, alterations, entries or amendments.
- 1.5. The estimated rates, shown in 'PRICE SCHEDULE' (given at Annexure-II), include all taxes & duties of Central/ State/ Local bodies [excluding Goods and Services Tax (GST)], as applicable, all incidental charges and charges for packing, forwarding, loading, unloading, handling, carrying to any lead, stacking, transportation, permits, overheads & profit, etc. necessary for the complete services, as described in the Price Schedule, Technical Specification & Scope of Work.

GST, as applicable, shall be paid extra against proper invoice submitted by the Contractor.

The Contractor will be required to submit GST compliant invoice with all required details and also be required to file timely and proper return so as to enable SMP, Kolkata to get due credit against GST paid. Percentage (%) of GST to be mentioned by the bidder.

In case of any failure on the above account, GST amount, even if paid by SMP, Kolkata, shall be recoverable from the Contractor.

- 1.6. The quoted percentage (%) [above / below / at par] should remain firm during the validity period of the bid / offer and the accepted rates will remain firm till execution of work is

completed. No Price escalation is admissible other than statutory increase in Taxes & Duties (within the scheduled completion period).

- 1.7. The Bidder should clearly understand that they shall be strictly required to conform to all terms & conditions enclosed with the instant Enquiry Letter, as contained in each of its Clauses and **plea of “Customs Prevailing”** will not be, in any case, admitted as excuse on their part, for infringing any of the terms & conditions.

No request for change or variation in rates or terms & conditions of the contract shall be entertained on the ground that the Bidder has not understood the work envisaged in the instant contract.

- 1.8. While evaluating the Bids, the percentage (%) [above / below / at par] quoted by the bidders shall be taken into account and accordingly TOTAL PRICE [considering all items of the Price Schedule], will be arrived at. Selection of the successful bidder will be made on the basis of overall lowest offer, thus arrived, subject to acceptance of all terms & conditions enclosed with the instant Enquiry Letter.

Evaluation will be done based on the quoted percentage (%) only and no GST will be added, during evaluation.

No additional amount [except applicable GST] would be paid by SMP, Kolkata to the Contractor.

- 1.9. The **validity of the bids** should **not be less than 60 (sixty) days** from the closing date of submission of Bid [as mentioned in the instant Enquiry Letter].

(Seal & Signature of the Bidder)

Annexure-II**PRICE SCHEDULE****for**

Supply & Delivery of 05 Nos. Self-Generating Mobile Lighting Towers at Haldia Dock Complex.

Sl. No.	Description	Quantity	Unit	Estimated Unit rate [excluding GST] (in ₹)	Estimated Amount [excluding GST] (in ₹)
1	Supply & Delivery of Self-Generating Mobile Lighting Towers [height: min. 8 mtrs., measured from Trolley Platform to top of the tower], with 6 (Six) no. 300 W LED flood light fitting.	5	no.	7,27,388.60	36,36,943.00
TOTAL:					₹ 36,36,943.00

Total estimated amount, in words: Indian Rupees Thirty-six lakh thirty-six thousand nine hundred and forty-three only [excluding GST].

Bidder's Name:**Percentage (%) above / below { Less (-) or Excess(+)} the estimated amount****(+ or -) _____% (in figures)****(plus or minus) _____ percent (in words)****Name & signature of the witness****Signature of authorised person of the bidder
(with name, designation, date and office seal)**

SCOPE OF WORK AND TECHNICAL SPECIFICATION

Name of the Work: Supply & Delivery of 05 Nos. Self-Generating Mobile Lighting Towers at Haldia Dock Complex.

A. Scope of work

- 3.1** Supply & delivery of fully assembled and ready to use telescopic, tilting type Self-Generating Mobile Lighting Tower, complete in all respect, with Diesel Engine, Alternator, DG set controls, starting batteries and engine driven charging alternator, acoustic enclosure, Diesel Tank, Lighting Tower, Luminaries, cradle, Lighting Control panel (Console) assembled on trolley with tyres, pulling arrangement and all other as required accessories (part of main equipment), and initial fill of lube oil, etc. as per 'Technical Specification' & 'Price Schedule'. There should be a provision of a separate DB for running the MLT by grid power.
- 3.2** Any work, considered required by the Contractor and not mentioned hereunder, for successful completion of the project, is deemed to be included in the 'Price Schedule'.
- 3.3** Unless otherwise specified, the work to be provided for by the Contractor shall include but not be limited to the following:
 - a) Provide all materials, supervision, services, scaffolding and temporary lighting as required for work purposes , etc.
 - b) Prepare and submit, for review & assessment to the Engineer, working drawings, showing how the work is actually going to be done as may be required by him.
 - c) The Contractor shall carry out the work in phased manner as per availability of the site so that normal day-to-day activities are not affected for which no such extra payment will be entertained.
- 3.4** The work shall be carried out as per Indian Electricity Act, 2003, Central Electricity Authority (Measures relating to safety & electricity supply) Regulation, 2010 with latest revised IS code of Practice and relevant portion of National Building Code particularly with respect to fire safety and also code of practice for fire safety of buildings (general): Electrical Installations, IS: 1646: 1997 and code of practice for earthing IS 3043:1987 and Dock safety rule & regulation.
- 3.5** Danger Notice Plate (designed as per **IS: 255**) at the installation shall have to be affixed by the contractor permanently in a conspicuous position in accordance with **Indian Electricity Rules, 1956** with latest amendments.
- 3.6** In connection with the aforesaid work, all materials will be under the custody of the Contractor, till completion of work and commissioning of the same.
- 3.7** In connection with aforesaid work, transportation and handling of all materials should be done by the Contractor at their own risk, cost and arrangement.
- 3.8** The Contractor must make their own arrangements for delivery of all materials, as well as for careful and proper unloading at H.D.C.'s site. The responsibility for preventing damage / deterioration to the materials during transit, delivery, unloading at the designated point shall rest with the Contractor. All transit risk will be to Contractor's account.

(Seal & Signature of the Bidder)

- 3.9 The Contractor should arrange, at their own cost, all necessary tools, tackles, lifting machineries, transport etc., required for the execution of total work. They should also provide all materials, supervision, services, scaffolding and temporary lighting as required for work purpose etc.
- 3.10 Electricity and water, if required, will be provided free of cost for the purpose of execution of the work at site.
- 3.11 No project surplus material will be taken over by HDC, KoPT after completion of the work.
- 3.12 The MLT will be taken over by HDC, KoPT only after performance checking at site
- 3.13 If during execution of work any damage takes place in the property of HDC, the same will have to be mended good by the contractor at their risk, cost and arrangement. **Otherwise, the same will be repaired / replaced by HDC, either departmentally or through outside agency and the cost of repairing / replacement will be recovered from the contractor, along with overhead charges @19.25%.**

B. Application:

- 3.14 The MOBILE LIGHTING TOWER covered under this specification is required for providing illumination in dark hours. The site condition for the application area is dusty, ambient temperature is 45°C with humid air, having a wind speed of 100 km/h during stormy weather condition. Type of duty for the MOBILE LIGHTING TOWER is outdoor continuous duty with rough handling and shall be frequently transported from one site to other site.

C. Compliance to Statutory Norm:

- 3.15 The DG Set must comply with the latest applicable CPCB norms for emission & noise pollution. The Contractor shall furnish following test report, certified by CPCB approved agency, for the **CPCB norms** as furnished below:
- System & procedure for compliance with noise limits for diesel generator sets (up to 1000 kVA).
 - System & procedure for compliance to emission limits for new diesel engines (up to 800 kW) for Gen-set applications.

D. Drawing / Document Submission & Approval:

- 3.16 The Electrical & Mechanical Drawings of the fully assembled Self Generating Mobile Light Towers, etc., as required, should be prepared by the Successful Tenderer and the same should be submitted to the Engineer for necessary approval before delivery & installation. The GA drawing of Self Generating Mobile Light Towers should have plan and elevation of SGMLT, displaying proposed locations of the following along with approx. dimensions & weight of Complete SELF GENERATING MOBILE LIGHTING TOWER (SGMLT):
- Diesel engine with starting batteries.
 - Alternator.
 - Tower with dimension of each section.

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- d) Trolley with tyres (Stay jack location to be shown in pulled in & pulled out condition).
- e) Pulling Arrangement/ hook.
- f) Luminaries.
- g) Console (Lighting Control Panel).
- h) Acoustic Enclosure & Exhaust.

3.17 The supplier shall submit, but not limited to, the following documents for a broad understanding of complete package offered by supplier:

- a) Technical Catalogue / write up for diesel engine & alternator.
- b) Copies of valid Type test Approval certificate by CPCB approved agencies for confirmation of compliance of CPCB norms.
- c) Detailed Bill of Material including all items of DG Set, Console, Trolley, Tower & luminaries and other items.
- d) General instruction for Installation, start-up & operation and Maintenance schedule & Troubleshooting Manual.

E. Inspection and Testing:

3.18 Inspection of the items to be supplied by the Contractor will be carried out by the Engineer or his representative (physically) at HDC site, against Manufacturer's Internal Test Certificate & Guarantee Certificate, as applicable.

All pre commissioning tests shall be carried out by the authorized representative of the firm, having valid Supervisor's Certificate of Competency. Testing at site will be witnessed by the representative of HDC, SMP, Kolkata. Inspection will be carried out, as applicable, as per relevant Standard , Technical Specification , Approved Drawings, etc. Manufacturer's Test and Guarantee Certificate, as applicable, will have to be submitted by the Contractor for verification. High voltage, Insulation Resistance, Earth Continuity , Earth Resistance tests, Performance test (6 Hrs. load trial) etc. ,as applicable, prior to commissioning are to be carried out for electrical installations, including LT cable (if any).

Necessary Fuel, lubricants etc. as required for performance test at site shall be arranged by the firm.

F. Electrical work

3.19 Entire earthing should be done in accordance with the relevant Indian Standard (IS) issued by Bureau of Indian Standard, Indian Electricity Rules & Act and Code of Practice.

3.20 All materials required for the entire work should be as per latest Indian Standard (IS) issued by **Bureau of Indian Standard**, as applicable, if not specified otherwise.

3.21 The entire job should be executed in accordance with the requirements of following Acts and rules, including latest amendments:

- a) Indian Electricity Rules – 1956
- b) Electricity Laws (Amendment) Ordinance, 1997
- c) Central Electricity Authority Rules, 1977

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- d) Central Electricity Authority Regulations, 1979
- e) Indian Electricity Act, 2003
- f) Central Electricity Authority (Measures relating to safety & electricity supply) Regulation, 2010.

3.22 The supply, delivery & testing of all items required for this work should be complied with the above Acts & Rules and relevant Code of Practice of the **Bureau of Indian Standard**, including National Electrical Code, if not specified otherwise.

G. Detailed Technical Specification:

3.23 The Self-Generating Mobile Lighting Tower (SGMLT) shall be mobile, telescopic, tilting type, trolley mounted tower with pneumatic tyres. The height of tower shall be min. 8 Mtrs. (at working position i.e. measured from Trolley Platform to top of the tower) excluding the height of trolley from ground level & lighting cradles. The lighting tower shall have minimum 180° rotatable system i.e. lighting tower can be rotated 180° (minimum) in any direction, clockwise or anti-clockwise. SGMLT shall be frequently transported from one site to other site few kilometres away. SGMLT must have suitable towing, lifting / carrying arrangement for transportation.

3.24 Tower:

The tower & support shall be suitable to withstand Regional basic wind withstand capacity. The Tower shall be constructed by using Hot Dip Galvanized Steel tubes in square, polygon or round shape. The tower mast shall be built with minimum 3 sections. The structure shall be subject to rough handling and harsh outdoor atmosphere.

3.25 Heavy Duty Trolley:

The heavy-duty trolley shall be built with MS Channel / Angle / Plates framework and can have either 3 or maximum 4 wheel base. In case of 4 wheel base, parking brake is to be provided. Trolley shall also be provided with tow eye / hook and tail light reflectors. The trolley shall be provided with suitable numbers (minimum 4 Nos.) of heavy duty, riggers (stay jack). The riggers would be grounded with the help of screw jacks, to be used for proper balancing/stability of tower to ensure stability of tower when fully erected on screw jacks with tyres free from ground. The riggers may be extendable horizontally, to ensure enough radius of overturning and safety factor against overturning. Suitable support with clamps shall be provided for resting of and folded (minimized length) tower for safely during transportation.

3.26 Manual Winch and Rope:

Manually operated winches are to be provided for operation of tower i.e. for both telescopic & tilting movement. Galvanized / SS wire rope only to be used for winches without any intermediate joint. Supplier to furnish the test reports for wire ropes & winches.

There shall be arrangement for installation & maintenance of light fitting/lamps at ground level. The tilting arrangement of tower would be balanced and not give any jerk or need a push / pull to activate the operation. The interlocking arrangement to be provided to ensure

(Seal & Signature of the Bidder)

that tower tilting cannot be done while tower is in telescopic mode and vice versa.

3.27 Diesel Generator Set:

A minimum 5 kVA nominal rating DG set, engine confirming to IS 10000/ IS 10001 and relevant standard, and alternator confirming to IS 4722, capable of delivering single phase, 230VAC at 0.8 PF to be provided on trolley for source of power. The nominal rating of DG Set shall be 230 VAC, 50 Hz, min 5 kVA. However, the DG Set shall have facility to adjust the voltage in $\pm 4\%$ range (or more) and engine governor shall have facility to adjust the RPM & frequency in $\pm 2\%$ range (or more). The DG set shall be housed in an acoustic enclosure for meeting sound & exhaust emission norms and shall have Central Pollution & Control Board (CPCB) approval. This is mandatory requirement for qualification of DG Sets for use in lighting tower system and copy of CPCB certification to be furnished along with offer.

An air cooled heavy duty diesel engine of suitable rating to deliver desired output along with self-excited, self-regulated, continuously rated, brushless type alternator of min 5 kVA shall be used for DG set.

Suitable battery generally confirming to IS 7372, for electric start of engine is to be provided. Engine driven battery charger alternator shall be part of DG set. Battery shall be capable of providing minimum five cranks for starting of DG set. The DG set shall also be provided with necessary meters i.e. voltmeter for DG Voltage, ammeter, frequency meter, Hour meter, Battery Voltmeter and indication for Battery charging ON, etc. for monitoring of power generated and consumed. The DG set shall have all the critical safety features i.e. LLOP, V Belt failure (For Blower fan), High cylinder temperature switch, Emergency stop, etc.

Fuel tank capacity shall be suitable to run the DG set minimum for 8 hrs at full load and fuel tank should be treated / painted for diesel fuel compatibility. Fuel tank shall be provided with breather, level indicator, air vent, drain plug, wire mesh filter. Draining through gravity should be possible.

3.28 Luminaries:

Each lighting tower shall have 6(Six) numbers duly installed LED flood light fitting. The light fitting should be dust, moisture, vermin & weather proof, with IP 66 protection. The light fittings shall also be vibration proof. The tower should be designed with provision for fitment of at least 6 lights on one side, if required. All the light fittings should also be adjustable to rotate in different directions, and vertical angles. Light fittings shall be supplied with suitable adapter (for connector fitment) and weather proof connectors enabling user to easily disconnect and separately pack fragile light fittings for transportation.

3.29 Detailed technical specification for 300 W integrated / non-integrated luminaire is as follows:

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Sl. No.	Description of item	Specifications
1.	System power consumption	300W
2.	I/P Voltage	140 - 300VAC
3.	System Lumen efficacy (Min.)	≥ 100 Lumen / Watt
4.	LED Lumen efficacy	≥ 140 Lumen / Watt
5.	System Lumen (Min.)	31500 lm
6.	THD	$< 10\%$
7.	Nominal Current Rating(Amps) at 240 V	1.300
8.	Power factor	> 0.95
9.	CCT (Approx)	5700K
10.	CRI	> 70
11.	Body finishing	Pressure die cast aluminium alloy for housing with Epoxy powder coated with elegantly designed heat sink for efficient thermal management, sturdiness & excellent corrosion resistant.
12.	Driver Type	Integral type
13.	IP Rating	IP65 or above
14.	Beam Angle (Max.)	30 Deg.
15.	Light source Cover	High quality toughened glass IK07 fixed to housing.
16.	Housing	Pressure die-cast aluminium alloy for housing with SS screw
17.	Surge voltage protection	10KV with SPD
18.	Operating Temp. range	-10 to +45 Deg Centigrade
19.	Driver protection	Output Open / Short Circuit protection, Over Voltage protection, Phase-to-Phase protection, Surge Voltage protection & other safety test as per IS 15885 Part-2.
20.	LED Life	50000 Burning Hr. at L70B50
21.	Report required for LED luminaire	LM79 , LM80 & IES File

 (Seal & Signature of the Bidder)

Sl. No.	Description of item	Specifications
22.	Brand name on housing	Manufacturer brand name/logo should be embossed / engraved on housing

- 3.30** All connections to luminary shall be through weatherproof IP 66 metallic plug & sockets (in supplier's scope). To avoid hanging of this plug & socket suitable aluminium adapter shall be provided by supplier for fixing on solid surfaces of luminary. Surface crossing of cables shall be through IP 65 metallic (Brass/ SS/ Al alloy) glands only. Cables used between console and luminary shall be flexible, multicore Cu cable having minimum cross section of 2.5 sq. mm. and suitable sheathing for core protection.

Bidders are required to submit test certificates / report of current validity for LED & its fittings from IEC accredited authorized testing laboratory or NABL accredited laboratory (not more than one year old) which are as follows:

- LM79 test report document of LED luminaire from NABL accredited lab, not more than 1 year old from the date of issue of tender.
- LM 80 test report document of LED source
- Type test report of LED luminaire, from NABL accredited lab, not more than 1 year old from the date of issue of tender.

The Test Certificates / Reports should be in compliance with or as per relevant IEC standard.

3.31 Lighting Control Panel/Console:

A lighting control panel for controlling the tower lights shall be provided on the trolley. The lighting console panel, fabricated out of 2mm min CRCA sheet steel, shall be suitable for outdoor application confirming to IP65/66 protection. The control panel (Console) will consist of suitably rated switchgears i.e. incoming MCCB with ELCB (or RCBO), Contactors, ammeters, voltmeters etc for isolation, protection & control of 240VAC, single phase, 50 Hz. Each lighting feeder circuit shall have individual MCB for short circuit protection & individual ELCB (Suitable) earth leakage protection required. Indication lamps shall also be part of control panel.

All the light fittings shall be pre-wired including copper conductor cabling from control panel to luminaries. The cables should be properly supported by weather proof conduits or other means and should not infringe during raising & lowering of tower. Individual conducting core of cable should not be less than 2.5 sq. mm. copper conductor.

The Console shall have following features:

- Suitable metallic cable gland must be provided at the point of cable passing through boundary and rubber grommet for cable passing through partition.
- Console door should be hinged and sealed with Neoprene/ EPDM rubber gasket.
- DG Set O/G MCCB should close only when DG supply is healthy (within required

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range of Voltage & frequency, suitable for luminaries).

- d) Components must be easily accessible for replacement/ trouble shooting.
- e) Metering & Indication shall be provided for:
 - a. Load on DG (Indication)
 - b. Multi-Function Meter with V, I, F, W & E feature (may be part of DG).

3.32 Other Features of Self-Generating Mobile Light Towers:

- a) Considering frequent transportation & rough handling requirement, all items are required to be anchored with frame/ load-bearing member to ensure no damage takes place during loading unloading & transportation.
- b) Diesel Lines shall be away from electrical cabling & Battery installation location.
- c) Provision for earthing of DG Set, Alternator, luminaries should be as per IS 3043. Earthing points shall be adequately marked.
- d) Brief operating instructions, diagram clarifying operation of winch, Do's & Don't etc. to be pasted through permanent sticker/ fastened in anodized AL label form for benefit of operational staff to be provided at appropriate place on the equipment.

3.33 Applicable Standards

IS:3043, 1987	Code of practice for earthing.
IS-4722, 2001	Rotating Electrical machines – Specification
IS/ IEC 60947-Part-1, 2	Low Voltage Switchgear & Control Gear
IS-7372, 1995	Lead Acid storage batteries for Motor vehicles.
IS 10322, Part-5: 1985/ 2005	Luminaires: Part 5 Particular requirements
IS 2266: 2002/2008	Steel Wire Ropes for General Engineering Purposes
IS 2629 : 1985	Recommended Practice for Hot-Dip Galvanizing of Iron and Steel

The applicability of above standards shall be as per relevant clause of this specification and compliance shall be confirmed by the vendor.

- 3.34** The details , which are not specifically mentioned in the Technical Specification, shall be as per 'Price Schedule'. Any other item required for installation but specifically not mentioned either in the 'Price Schedule' or the Technical Specification , like requisite length of G.I. Pipes, clamps and accessories shall be deemed to be included in the rates for installation of the items for which these items are intended. Tenderers are advised to build up the prices accordingly. Any claim in this regard on the plea that the item is not specifically mentioned shall not be entertained.

3.35 Cleaning of site:

On completion of works, the Contractor shall reinstate and make good at his own expense any

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property or land which might have been disturbed and / or damaged by their work. Contractor should also clean the site as required during execution and fully clear the site after completion of all the work. Any hole / drilling / opening / damage made on the wall / roof for drawing of cables / installation of equipment shall be made good by the Contractor at their own cost.

H. List of Approved Makes

3.36

Sl. No.	Items	Name of the Manufactures
i)	DIESEL ENGINE	CATERPILLAR / CUMMINS / MITSUBISHI / GREAVES POWER / KOHLER / KOEL
ii)	ALTERNATOR	STAMFORD / LEROY SOMER / KEL / PERFECT
iii)	MCCB/MCB/ ELCB/RCCB/RCBO	ABB/ SCHNEIDER/ L&T/ SIEMENS
iv)	CT/ PT/ PROTECTION RELAY/ ELECTRICAL METERS	ABB/ SCHNEIDER/ ALSTOM /C & S/ SIEMENS/ L&T
v)	BATTERY	EXIDE/ AMCO/ YUASA
vi)	LED LIGHTING	BAJAJ/ PHILIPS/ CROMPTON/ GE/ WIPRO/ HAVELLS/SIMOCO/LIGHTING TECHNOLOGY
vii)	PVC COPPER WIRE FOR INTERNAL WIRING	HAVELLS / FINOLEX/ GLOSTER / RPG / APAR INDUSTRIES/ POLYCAB/KEI / RR KABLES
viii)	L.T. POWER CABLE	UNISTAR (UNIVERSAL) / HAVELLS / FINOLEX / GLOSTER / RPG / APAR INDUSTRIES/ POLYCAB / KEI
ix)	TYRES	CEAT/ APOLLO/ MRF/ BRIDGESTONE

(Seal & Signature of the Bidder)

Terms and Conditions

Name of the Work: Supply & Delivery of 05 Nos. Self-Generating Mobile Lighting Towers at Haldia Dock Complex.

4.1. Price:

4.1.1. The Accepted Rates [in Accepted Price Schedule] shall include all taxes & duties of Central / State / Local bodies [excluding Goods and Services Tax (GST)], as applicable, all incidental charges and charges for packing, forwarding, loading, handling, carrying to any lead, stacking, transportation, permits, overheads & profit, etc. necessary for the complete services, as described in the Price Schedule, Technical Specification & Scope of Work.

GST, as applicable, shall be paid extra against proper invoice submitted by the Contractor.

The Contractor will be required to submit GST compliant invoice with all required details and also be required to file timely and proper return so as to enable KoPT to get due credit against GST paid.

In case of any failure on the above account, GST amount, even if paid by KoPT, shall be recoverable from the Contractor.

4.1.2. Except where otherwise expressly provided, the contractor shall provide all materials, labour and plant and things necessary in connection with the contract work although everything may not be fully specified and although there may be errors and omissions in the specifications.

4.1.3. The Accepted Rates will remain firm till execution of work is completed.

However, changes **in statutory taxes & duties [other than GST] will be adjusted** (within the scheduled completion period), based on documentary evidence.

4.1.4. Tools, Tackles etc. required for execution of the whole work will have to be arranged by the Contractor, at their own risk, cost & arrangement.

4.2. Completion Period:

Supply & delivery to be completed, in all respect, within **60 (Sixty) days**, from the date of placement of Order.

4.3. Inspection & Testing:

4.3.1. After supply & delivery of the MLTs, the same will be inspected and tested jointly by the authorised representatives of HDC, SMP, Kolkata and the Contractor.

4.3.2. Physical checking of the MLTs will have to be carried out at site, based on the enclosed “Item description”, “Technical Specification” and “Scope of Work” by the representative of Plant & Equipment Division, HDC. The Contractor will

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have to provide all facilities for Inspection of the MLTs, at their own risk, cost and arrangement.

- 4.3.3. Inspection & testing of the work by the authorized representative of HDC, KoPT shall not relieve the Contractor from his obligation for conforming to the quality, workmanship, guaranteeing the performance, etc. as per the contract.
- 4.3.4. The materials supplied by the supplier should strictly conform to the laid down specification of the order. Samples from the supplies may be drawn for testing by KoPT's own arrangement or by Government Test House and if found to be inferior to the laid down specification of order, the materials will be rejected in whole or in part and the Contractor shall be debited with the cost of test and rejected materials shall have to be replaced by the Contractor at their own cost.

4.4. Payment terms:

- 4.4.1. 90% payment of basic amount (against executed work), alongwith 100% payment of GST amount, will be made within 30 days, after successful delivery, inspection & performance checking at site of the MLTs, in line with the enclosed "Item description" , "Technical Specification" and "Scope of Work" against submission of clear & unambiguous bill (in triplicate), along with required documents like Test Certificate, Inspection Report, etc. of the delivered items.
Balance 10% payment of basic amount (against the MLTs), which may be retained as Security Deposit, may be released, without any interest, after completion of Guarantee Period.
- 4.4.2. Bills should be submitted, **in triplicate**, to **Sr. Dy. Manager(P&E), Plant & Equipment Division, Haldia Dock Complex** along with required certification / inspection report.
- 4.4.3. Payment will be made in Indian Rupees through the banker of the Contractor (i.e. through **ECS**). During submission of bill(s), the following information must be submitted by the Contractor regarding their banker:
 - a) Bank Account number.
 - b) Name of the bank.
 - c) Name of the branch.
 - d) Address of the branch.
 - e) MICR code of the branch.

4.5. Guarantee:

- 4.5.1. The MLTs will be guaranteed for a period of 12 (Twelve) months from the date of commission of the work.
- 4.5.2. The Contractor shall be responsible for making good, with all possible speed, at their expense, any defect, which may occur before expiry of 12 (Twelve) months from the date of complete execution of the work.
- 4.5.3. Inspection & testing of the work by the authorized representative of HDC, KoPT shall not relieve the Contractor from their liability of guaranteeing against defective materials, workmanship, etc. and full satisfactory performance within

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the aforesaid Guarantee Period.

4.6. Gate Pass:

Necessary Gate Pass for entering into the Dock Area would be issued for the personnel, equipment, machineries, materials etc. of the Contractor, in connection with the instant work, on chargeable basis, as per rules then prevailing, on the basis of written request from the Contractor.

4.7. Liquidated Damage (L. D.):

If the Contractor fails to complete the job within the stipulated dates or such extension(s) thereof, as may be allowed by the “Engineer” in writing, the Contractor shall be required to pay as compensation (Liquidated Damage) to HDC,SMP, Kolkata and not as penalty @ ½ % of the cost of unfinished portion of work, for every week’s delay (part of the week would be treated as a full week), provided always the entire amount of compensation to be paid under the provision of this clause shall not exceed 10% of the total order value. HDC, SMP, Kolkata may, without prejudice to any other method of recovery, deduct the amount of such damages from any money which is due or which may become due to the Contractor. The payment or deduction of such damages shall not relieve the Contractor from their obligation to complete the work or from any other of their obligation or liabilities under the contract.

GST, as applicable , on L. D. amount, if any will be levied.

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