

This ~~document~~ contains 32 pages only.

AEE/52

20/12

MCD A-32

## SOUTH DELHI MUNICIPAL CORPORATION

### NOTICE INVITING TENDER

1. Item rate/percentage rate tenders are invited on behalf of the Municipal Corporation of Delhi from approved and eligible contractors of Municipal Corporation of Delhi.

Provision of lighting arrangement at Gulmohar Park in ward no. 148 Hauz khas under South Zone.

- 1.1 The work is estimated to cost Rs. 1780,576/-.  
This estimate, however, is given merely as a rough guide.
- 1.2 Tenders will be issued to eligible MCD contractors provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactory completed similar works of magnitude specified below :-
- 1.3 Criteria of eligibility for issue of tender documents.
- |  |  |
|--|--|
| 1.3.1 For work estimated to cost above Rs. 25 lacs but upto Rs. 2 crores   | Three similar works each costing not less than Rs. _____ lacs during last 5 years.   |
| 1.3.2 For works estimated to cost above Rs. 2 crores but upto Rs. 3 crores | Three similar works each costing not less than Rs. 75 lacs during last 5 years.  |
| 1.3.3 For works estimated to cost above Rs. 3 crores but upto Rs. 5 crores | Three similar works each costing not less than Rs. 1 crore during last 5 years.  |
| 1.3.4 For works estimated to cost above Rs. 5 crores                       | Three similar works each costing not less than Rs. 2 crores or two similar works of aggregate cost not less than Rs. 6 crores during last 7 years. |

For the purpose of this clause 'similar work' means the works of P/O lighting arrangement

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. A-33/A-34 which is available as a MCD Publication. Tenderer shall quote his rates as per various terms & conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be 60 days from the 10<sup>th</sup> day after the date of written orders to commence the work or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.

[5(S)]

4. The site for the work is available. 74

The site for the work shall be made available in parts as specified below :—

5. Receipt of applications for issue of forms will be stopped by 1600 Hrs. four days before the date fixed for opening of tenders. Issue of tender forms will be stopped three days before the date fixed for opening of tenders.

Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the EEE-IV/S2 between hours of 11-00 A.M. & 04-00 P.M. everyday except on Sundays and Public Holidays. Tender documents, excluding standard form, will be issued from his/office, during the hours specified above on payment of Rs. 590/- in cash.

6. The tenderer must produce an Income Tax Clearance Certificate in the revised form as modified under Ministry of Finance O.M. No. 67/30/69/ITAL dated 2-7-1970 as amended from time to time before tenders papers can be sold to him.

7. Tenders, which should always be placed in sealed envelope, with the name of work and due date written on the envelopes, will be received by the EEE-IV/S2 upto 03-00 P.M. on \_\_\_\_\_ and will be opened by him or his authorised representative in his office on the same day at 03-30 P.M.

8. The tender shall be accompanied by earnest money, (Unless exempted) of Rs. 35,650/- in cash/Deposit at Call receipt of a Scheduled Bank issued in favour of \_\_\_\_\_ Commissioner MCO the amount being credited to \_\_\_\_\_. A Contractor exempted from depositing earnest money in individual cases, shall attach with the tender an attested copy of the letter exempting him from depositing earnest money and shall produce the original when called upon to do so.

9. The description of the work is as follows :—

Provision of lighting arrangement at Culmohar Lane in ward no. 14B Haug 1 chas under South Zone.

Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above-mentioned officer.

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects

[6(S)]

(3)

it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the department and local conditions and other factors having a bearing on the execution of the work.

10. The competent authority on behalf of M.C.D. does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the assignment of a reason. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.
11. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
12. The competent authority on behalf of MCD reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
13. The contractor shall not be permitted to tender for works in the MCD Circle (responsible for execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Assistant Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any category A/B officer in the MCD. Any breach of this condition by the contractor would render him liable to be removal from the approved list of contractors of this department.
14. No Engineer of Assistant Engineer rank or other officer equivalent to Assistant Engineer rank employed in Engineering or Administrative duties in an Engineering Department of the MCDI Govt. is allowed to work as contractor for a period of two years after his retirement from Government service, without the previous permission of the department in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the department as aforesaid before submission of the tender or engagement in the contractors service.
15. The tender for the works shall remain open for acceptance for a period of <sup>30</sup> days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or makes any modifications in the terms & conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.

[7(S)]

16. This Notice Inviting Tender shall form it part of the contract document. The successful tenderer/contractor, on acceptance of his, tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work sign the contract consisting of:—

- (a) The Notice Inviting Tender; all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
- (b) Standard MCD Form A-33/A-34.


Signature of

Divisional Officer/  
Sub-Divisional Officer

For & on behalf of South Delhi Municipal Corporation

DNET amounting to Rs. 1762947/- may kindly approve please.

Approved  
EEE/SZ

  
13/05/26  
AEE/SZ

July  
13/05/2026  
JEE/SZ

[8(S)]

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Name of Work:- Provision of lighting arrangement at Gulmohar Park in ward no. 148 Hauz Khas Under South Zone.

S.No.	SOQ Description	Qty	unit	Rate	Amount
1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required. Upto 35 sq. mm	40	P/M	36	1440
2	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Upto 35 sq. mm	1000	P/M	47	47000
3	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required	900	P/M	50	45000
4	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	12	P/M	313	3756
5	Earthing with G.I. earth pipe 4.5 Meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	12	Each	7658	91896
6	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3X1.5 sqmm	360	P/M	104	37440
7	Providing and laying in position M25 grade reinforced cement concrete foundation of size 450 mm(L) x 450 mm wide and 1000 mm deep i/c excavation of earth, providing cutting, bending and placing in position, reinforcement of cold twisted bars of 12 mm dia -960 mm long (approx.) - 8 nos. and reinforcement of cold twisted bar of 8 mm dia - 1400 mm (approx.) - 6 nos. (with 150 mm spacing) as required with supplying and positioning of 4 nos foundation bolts of size 16mm dia and 600 mm long j type i/c 2 nos. template anchor plates of size 225x225x3 mm and providing DWC HDPE for cable entry & exit as required for 3 m and 5 mtr pole.	45	Each	7743	348435
8	Fabrication, supply & erection of 5.0 mtr height, minimum 3 mm thick, bottom dia of 130mm & top dia of 70mm, base plate of size 225 x 225 x 12 mm thick flange mounted hot dip galvanized octagonal pole made from HT steel plate, window with flash cover with full vertical window cover at appropriate height from the base plate on existing cement concrete pedestal as required. i/c supplying and fixing of 6 mm thick laminated mounted sheet inside the window and i/c providing and welding 3 nos. GI strips 4 mm thick of suitable length and having suitable size tapped holes as reqd, terminal block suitable for 25 sq mm conductor - 4 nos. & shorting links on DIN channel i/c providing and fixing DIN channel of suitable length, 6 Amp. SPMCB 'C' Curve characteristics, earth stud, cable support clamp suitable for upto 4x25 sqmm cable. Logo/Name of manufacturer shall be either embossed or Rivited plate on the pole. Galvanization as per relevant IS code etc as required	45	Each	9229	415305
9	Fabrication supplying and fixing B-class Galvanised single overhang arm bracket made out of 250 mm long galvanized top tube with cap 1000mm long 32 mm dia galvanized pipe with tightening bolts complete as reqd.	30	Each	1472	44160
10	Fabrication supplying and fixing B-class Galvanised double overhang arm bracket made out of 250 mm long galvanized top tube with cap 1000mm long 32 mm dia galvanized pipe with tightening bolts complete as reqd.	15	Each	2208	33120
11	Fabrication, Supplying, Installation, testing, Commissioning of 12 mts. high mast System with its accessories. Mast shaft shall be in one section, hot dip galvanized 4mm thick (Single dip) inside and out sides and suitable for wind velocity as per IS 875 part3. There shall be in longitudinal seam weld per section and No circumferential weld. It should also included accessories for High Mast head frame, 2 point suspension system with steel wire rope 5mm dia. (7/19construction) single drum winch, galvanized lantern carriage arrangement suitable for 4/6 Nos. flood light luminaries luminaries symmetrically and its control gears boxes and lighting finial, the mast shall have integral type manual tool mounted at the base compartment of its raising and lowering operation with foundation bolts and Anchor plate and control panel housing suitable RCC (1:2:4) shallow foundation of size 1m(L)X1m (W)X2m deep i/c excavation of earth i/c excavation of earth, providing cutting, bending and placing in position, reinforcement of cold twisted bars of 12 mm dia -2100 mm long (approx.) - 16 nos. and reinforcement of cold twisted bar of 8 mm dia - 3700 mm (approx.) - 13 nos. (with 150 mm spacing) as required with positioning of 4 nos foundation bolts and providing DWC HDPE pipe for cable entry & exit as required for high mast considering The safe soil bearing capacity at site as 10T/sqm at 2mts. Depth with all material i/c, 4Nos S.P MCB, 63Amp. DPI solator etc as reqd. Logo/Name of manufacturer shall be embossed on the pole. galvanized as per relevant IS.	1	Each	154138	154138

12	Supply and fabrication of pole protection system made up 8 SWG steel wire mesh of size 25 mm x 75 mm rectangular with 50 mm X50 mmX6mm MS angle iron for supporting the mesh i/c MV Danger Plate and grounding the protection system in suitable quality of CC etc.	12	P/sqm	1108	13296
13	Providing and fixing name board made of MS Sheet 90x60cm, 1mm thick with frame of MS angle 50x50x6mm, two diagonal braces at the back of the sheet of MS flat 40x6mm, total height of the board above ground level 2.40m, length of legs below ground 0.30m embedded in CC block 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) 30x30x45cm including excavation and removal of surplus earth with in 50m lead, applying priming coat of approved steel primer, painting with synthetic enamel paint of approved quality and lettering with enamel paint of approved colour (one side) as per drawing/direction of Engineer-in-Charge	1	Each	7408	7408
14	Providing and fixing of Stainless steel name plate of size 6X8 sq inch made of 20 gauge sheet including engraved name of area representative duly painted along with SS clamp nut bolt etc as required.	45	Each	523	23535
15	Supply of XLPE insulated,PVC sheathed Al.conductor Armoured cable. 1.1KV grade Conforming to IS 7098/1988 of following Sizes (a) 2 X6 SQmm	1040	P/M	95	98800
16	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required. 63 mm dia (OD-63 mm & ID-51 mm nominal)	800	P/M	289	231200
17	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required. 63 mm dia (OD-63 mm & ID-51 mm nominal)	50	P/M	136	6800
18	Excavation of the cable trenches in hard rock not exceeding 1.5 metres in width, and lift upto 1.5 metres, including getting outthe excavated soil and disposal of excavated soil as directed within a lead of 50 metres	6.75	P/cum	1543	10415.25
19	Providing and laying in position cement concrete of specific grade excluding the cost of centering and shuttering-all work up to plinth level:1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources.	1.05	P/cum	7294.7	7659.435
20	Supplying and fixing of light class G.I. pipe of 50 mm dia. (nominal) 3 metres length along the pole for protection of under ground cable as required.	5	Each	2783	13915
21	<b>LED Street light fixture, powder coated pressure die cast aluminum body (System lumen efficacy &gt;135 lm/Watt)</b> Supplying, Installation, Testing & Commissioning of Street light LED fixture, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement with Driver efficiency >85%, Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 0C to 50 0C, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency >85%,THD < 10% as per IEC 61000-3-2, P. F.≥0.95, IP-66,IK-10, CRI >70, under voltage and over voltage protection, EMI-EMC as per CISPR-15, lenses for beam angle as per IESNA type I/II/III as per the width of the road and the project requirement., suitable to fit in up to 65mm dia pipe, life time (LED,Driver & electrical circuitary) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all 51 DELHI SCHEDULE OF RATES (E&M)-2025 respect i/c external connections with 1.5 sq mm FRSL/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted.. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). 45 Watt	60	Each	1966	117960

22	<p>LED Flood Light, powder coated pressure die cast aluminium (System lumen efficacy &gt;135 lm/Watt) Supplying, Installation, Testing &amp; Commissioning of Flood Light, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement with Driver efficiency &gt;85%, Input voltage: Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 0C to 50 0C, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency &gt;85%, THD &lt; 10% as per IEC 61000-3-2, P. F. ≥0.95, IP-66, IK-10, CRI &gt;70, under voltage and over voltage protection, 54 DELHI SCHEDULE OF RATES (E&amp;M)-2025 EMI-EMC as per CISPR-15, lenses for beam angle 30 deg-120deg as per the application and the project requirement., suitable tilt able fitting, life time (LED, Driver &amp; electrical circuitry) of minimum 50000 Burning Hours with 70% of Initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K / 6500°K (As per ANSI Bin) , SDCM (Standard Deviation Colour Matching) &lt;5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy &gt;135 lm/Watt output. LM79 &amp; LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). 100W</p>	4	Each	2567	10268
Sub Total					1762946.69

DNST amounting to Rs. 1762947/- may kindly approve please

*Ahmed*  
15.5.26.  
EEE/SZ

*[Signature]*  
15/05/26  
AEE/SZ

*[Signature]*  
13/05/2026  
JEE/SZ

### Conditions & Specifications

1. The work shall be carried out strictly in accordance with CPWD Specification 2013, amended up to date and shall comply with provisions of Indian Electricity Rule 1956 and Indian Electricity Act 2003 amended up to date.
2. All MCD General Conditions of contract with upto date amendment/modification/addition to existing additional conditions shall enforce.
3. Specifications not covered in the General specifications of CPWD shall be governed by relevant IS specifications. In case IS specifications are also not available than the decision of Engineer-In-Charge given in writing based on acceptable sound engineering Practice and local usage shall be binding on the contractor.
4. All material shall be one of the make mentioned in CPWD specifications and approved by Engineer – In – Charge. All materials shall confirms to IS specifications wherever these exists.
5. All material brought by the Contractor for use on work shall have to of be good quality. The same has to be got approved from the Engineer-in-Charge before using the same on the work. No claim for defective material brought by the contractor and not approved by the Engineer-in-Charge shall be entertained.
6. All T&P required for execution of work i/c mounting of fitting on poles, digging of trenches, handling of materials brought by contractor at his own cost and nothing extra shall be paid on this account.
7. The contractor shall furnish necessary certificate / documents / Material test certificate in support of genuiness / conformity to ISS of materials / items used at site & payment receipts of GST as & when desired by the department.
8. Contractor shall prepare drawing as per actual site and directions given by Engineer-in-charge and get the same approved from Engineer-in-Charge before start of work.
9. The work shall be carried out according to approved drawing; however the department reserves right to change the lay-out as per requirements of site.
10. Contractor is advised to visit the site and make him acquaint with the site conditions before quoting the rates. No future claim due to site restrictions shall be entertained at later stage.
11. The contractor is bound to sign the entry /entries made by Engineer in charge or his representative in the site order book time to time.
12. Embedding of earth electrode, making RCC foundation, laying of cable, Lowering of Pipes in Boring or any other work below ground level shall be done in the presence of Engineer in charge or his authorized representative. Loop earthing shall be as per CPWD specifications. The contractor shall intimate the Engineer-in-Charge in advance well before the execution of such works.
13. Notwithstanding the schedule of quantities, all items of inter-related work considered necessary to make installation complete and operative deemed to be included and shall be provided by the contractor at no extra cost.
14. The Electrical works shall be executed in close co-ordination with the progress of Building/Civil work. This being essences of the contract, no claim for idle labour will be entertained.

15. Any damage caused to Building as a result of execution of Electrical work shall be responsibility of the Electrical contractor. The damage if so caused shall be made good by the contractor promptly at his own caused to the entire satisfactions of the Engineer in charge.
16. The dismantled materials if any received from the work should be duly accounted for and returned to concerned JE(Elect) In charge of work at his store free of cost.
17. The rates tendered shall be for complete item of works inclusive of all taxes, duties & levies etc. and all charges for the item contingent to the work.
18. Engineer-in-Charge serves the right to get the testing of any material delivered at site from designated labour from any other independent NABL Accredited labs (if not available in designated labs) to ensure the specifications of material as per tender, in addition to the tests recommended by QC deptt. The contractor shall pay the cost of testing and hence rates should be quoted accordingly.
19. Third party quality Audit & testing of samples in the designated lab is mandatory as per circular no. D/CE/QC/2021/SE(QC)D-237 dated 9.2.2022. Necessary charges for Third Party and Testing of samples are to be paid by contractor. The rates should be quoted accordingly.
20. The contractor has to carry out excavation of trenches for cables & pipe laying in a fixed time frame in close coordination with civil contractor. It will be the responsibility of the contractor to carry out the excavation of trenches within target period utilizing all possible resources. All the debris/mamba resulting from trenching, excavation will have to be immediately shifted to appropriate location as per directions of JEE concerned.
21. The watch and ward of entire installation shall be sole responsibility of the contractor until these are tested and handed over to the department.
22. Contractor shall make his own arrangement for watch & ward and safety of his men and material and nothing extra shall be paid by the department on this account. Contractor shall also be responsible for the safe custody of material issued to him by the department (if any) till such time the work is completed & installation is handed over back to the department. Nothing extra shall be paid in this account.
23. The Engineer in charge will be at liberty to get the work inspected through the C.T.E. or any other agency appointed by the Govt. or Municipal Corporation of Delhi and the result of their finding will be binding on the contractor.
24. The contractor will co-operate in handed over the fitting/installation to NDPL/BSES or any other Department / agency as per directions of Engineer- In- Charge. The Contractor will rectify the defect pointed out at the time of handing over free of cost.
25. The guarantee period will be of twelve months from the date of handing over to the department. Installation /equipments or components there of shall be rectified/repared to the satisfaction of the Engineer in Charge.
26. OEM name must be embossed / engraved / Screen Printed on Housing of LED Fixture. Sticker not allowed.
27. The Companies manufacturing LED luminaries shall comply with Electronics & IT goods (requirement for compulsory registration) order 2012 amended up to date. The contractor/agency will submit necessary documents in this regard for the LED manufacturer proposed to be installed.

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28. In case of any accident, injury met by its labour, employee or any other person working for him or general public or any miss-happening or labour claims etc. the entire responsibility shall be of the contractor in every aspect.
29. The contractor shall to ensure all safety guidelines, rules and regulations, labour laws etc. Any compensation sought by its labour, employee or any other person working for him or general public either during operation of work order or at any stage later on, shall be paid by the contractor as per settlement solely. MCD has no role to play in this matter. In case, any dispute arises out of these conditions, the directions / decisions / settlements by court, the full compensation amount shall be borne by the contractor. If the contractor does not abide by this condition, MCD reserves the right to pay the aggrieved party directly and the same shall be recovered from the payouts of the contractor.
30. The bidder shall be responsible to have applicable ESI, PF or any other registration as required in respect of labour deployed by him. Evasion of such mandatory regulations shall be sole responsibility of the successful bidder. Department will have the right to recover the same from Contractor's payout and deposit in EPFO if found evaded at later stage.
31. The contractor has to arrange for water and electricity arrangement for the work. Department is not liable to arrange the same .
32. Temporary barricading reflecting signs, red color/Making flags arrangement will be provided by the contractor during the execution of entire work.
33. Upto date amendments to General conditions of contract for MCD work are applicable.
34. In addition to conditions in this tender document, provisions in CPWD manual amended up to date and other relevant conditions mentioned in form 32 and 33 issued with this NIT will also be applicable.

**Special Condition:**

- A. These special conditions shall prevail on GCC.
- B. If due to site conditions, the quantity of any item of contract whose accepted rates are higher than the justified rates worked out by the department increases over and above the quantity stipulated in the schedule of quantities, such increase in quantity shall have to be executed by the contractor and will be paid on the justified rates worked out by the department.
- C. If due to site conditions, the quantity of any item of contract whose accepted rates are higher than the justified rates worked out by the department decreases from the quantity stipulated in the schedule of quantities then the contractor shall not be entitled for any claim on this account.
- D. If due to site conditions and to met with the scope of work, the quantity of any item of contract whose accepted rates are lower than the justified rates worked out by the department increases over and above the quantity stipulated in the schedule of quantities, such increased quantity shall have to be executed by the contractor and will be paid on the accepted rates. No claim on this account will be entertained.
- E. If due to site conditions, the quantity of any item of contract whose accepted rates are abnormally lower than the justified rates worked out by the department decreases from the quantity stipulated in the schedule of

- quantities, such non executed quantities shall be recovered at the difference of justified rates worked out by the department and accepted rates of item of contract.
- F. In case of Extra Items while deciding the rates prevailing market rates will be the criteria subject to the rider that Market rates will be reduced to the same extent the original bid(after negotiation, if any) has been quoted viz-a-viz justified rates.
  - G. In compliance of Engineering Department of circular No. D/471/EE(P)-III dated 22.02.06 1% (one percent) labour cess is to be deducted from contractor on total cost of work order. For deducting one percent cess a weight age of one percent on composite value of the work is to be added while working out the justification of rates.
  - H. Interim bills/Final Bill along with measurements and requisite documents should be submitted by the contractor duly certifying the work which has been carried out along with photographs at different stages of work. For execution of hidden items, the Contractor will submit prior Information to the Engineer-In-Charge one working day in advance, before its covering. The Work is also required to be inspected by Third party agency for quality assurance/ auditing as per standing instructions/circulars and payment to bill will be made accordingly.
  - I. In addition to the above, it is also stated that, with regard to delayed payments to contractors, the directions issued by the Planning Department vide Circular No. D/EE(P)-IV/MCD/2025-26/D-01 dated 15.07.2025 shall be strictly complied with.
  - J. Contractor are directed to procure poles of approved makes with clearly embossed/engrave MCD and serial number/batch for proper tracking of the material wrt the MTC correlation as per good industrial practices.
  - K. For 5m, 7m of GI Octagonal poles and 12m of Semi high mast Light (SHML), the material of construction for the shaft shall be fabricated from special steel plates conforming to the grade of High Tensile (HT) Steel, specifically, E350 as per IS 2062.

#### List of Acceptable Makes

S. n	Name of Item	Acceptable Makes in MCD
1	FRLS PVC insulated Copper/ Aluminum conductor domestic wires.	Polycab, Havell's, Plaza, HPL, Finolex, Great White, Skytone
2	LTCables (Armoured/Unarmoured )	Skytone, Havells, Polycab, Grandlay, Finolex,
3.	MCB, Isolator, DB	Havell's, Standard, L & T, Legrand, Siemen's, ABB ,C&S Schneider
4.	LED fixtures	Fiem, Crompton, Bajaj, Phillips, Surya, Prima-NX, Halonix, Bhargo, Havells, Osram, GE, Orient Electric, Kalingia Illumination ( Ki Kalingia), Oregenal, Mayfair, Jaquar, Polycab
5.	Polygonal/MS Pole	BPP, Utkarsh, Aster, PE, Bajaj, Skipper, ADP, Premier-Polmax
6.	DWC-HDPE Pipe	Rex, Duraline, CPE, Gemini, Mastodon

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**TECHNICAL SPECIFICATION FOR 12MTR HIGH MAST POLE**

S No	Description	Parameter
<b>1.</b>	<b>Overall height of high mast</b>	<b>12Mtr</b>
a.	Material of construction of shaft	Grade S355 JO as per BSEN 10025 or equivalent
b.	Cross section of mast	12 sided, regular continuously tapered polygonal
c.	Number of sections	One (1)
d.	Thickness of shaft (mm)	4mm
e.	Length of individual section (mm)	12000mm
f.	Base & Top diameter	350mm (A/F) & 150mm (A/F)
g.	Type of joints	No site joints, mast should be delivered in single section
h.	Length of overlap	Not application
i.	Material protection treatment of fabrication	Hot-dip galvanization through single dipping process
j.	Thickness of galvanizations	As per relevant IS code.
k.	Size of opening door at base	Approx. 250x1000mm
l.	Type of locking arrangement and door	Anti vandal type
m.	Details of stack board inside	Insulated base board
n.	Size, material & thickness of cable termination	Standard
o.	Size of base plate diameter (mm)	As per manufacturer's standard design
p.	Size of base plate thickness	Min. 20mm thick
q.	Size of Anchor plate thickness	4mm
r.	Details of template	Same as Anchor plate but 2mm thick
<b>2.</b>	<b>Dynamic loading as prevailing at site</b>	
a.	Maximum wind pressure (basic wind speed)	180Km/hr as per IS:875 (Part-III)
b.	Maximum gust speed time	3 seconds
c.	Height above ground level at which wind	10 Mtr.
d.	Factor of safety for wind load	1.25
e.	Factor of safety for other loads	1.15
f.	Application standard for mast design	Technical report #7:2000 by ILE, UK
<b>3.</b>	<b>Foundation details</b>	
a.	Type of foundation	Open raft shallow footing
b.	Size of foundation	As per design conforming to IS: 456
c.	Design safety factor	2.0 ( As per IS- 456)
d.	Considered wind speed (Km/hr)	180Km/hr
e.	Depth of foundation (mm)	As per the requirement of design
f.	Average soil bearing capacity	As per site condition
g.	Number of foundation bolts	6 Nos.
h.	PCD of foundation bolt (mm)	As per manufacturer's standard design
i.	Type of foundation bolt	Tor steel
j.	Bolt diameter (mm)	25mm
<b>4.</b>	<b>Lantern carriage</b>	
a.	Diameter of carriage ring (mm)	Suitable to carry up to 6 nos. flood lights
b.	Construction	MS Channels/tube, hot-dip galvanized
c.	Number of joints	2 or 3 As per manufacturer's standard design
d.	Buffer arrangement between carriage and	Rubber padded guide ring provided
e.	Load carrying capacity	500Kg
f.	Total weight of assy. With fitting	As per design
<b>5.</b>	<b>Winch</b>	
a.	Number of drums	Double drum

b.	Capacity	SWL 500Kg
c.	Method of operation	Manual
d.	Type of lubricant	Gear oil/Grease
e.	Material of construction of gears	Phosphorus bronze/EN 19
f.	Tested load per drum(kg)	500Kg
g.	SWL of winch at 410rpm	500kg SWL
<b>6.</b>	<b>Wire rope</b>	
a.	Number of Ropes / thickness	3Nos/5mm (three wire rope) non corrosive marine grade
b.	Construction	7 / 19
c.	Diameter (mm)	5mm
d.	Thimbles and terminals	As required.
e.	Factor safety	Not less than 5
<b>7.</b>	<b>Cable</b>	
a.	Type	PVC coated multi-core round flexible cable
b.	Material	PVC insulated copper core
c.	Make	ISI marked reputed brands
d.	Current carrying capacity	As per standard
e.	Conductor size	5 core x2.5sqmm
<b>8.</b>	<b>Torque limiter</b>	
a.	Lifting capacity	SWL 500KG
b.	Adjustable /non-adjustable	Adjustable

#### DETAILED TECHNICAL SPECIFICATION FOR 12MTR HIGH MAST POLE

#### 1. HIGH MAST

##### I. Structure

The mast shall be of continuous tapered section and shall be based on proven three wire rope systems with double drum, winch. Mast shall have minimum top diameter of 150mm and base diameter of 350mm. Thickness of the shaft shall be 4mm. Higher dimensions, if required to meet the dynamic loading/structural stability under specified conditions may be offered by the bidder. The bidder in support of higher dimensions offered by him shall submit detailed structural stability calculation, which shall be based on a type-tested method of calculations.

##### II. Construction

Mast shall be in single section without circumferential weld inside or outside and there shall be only one longitudinal welding. The electrodes used for welding shall be compatible with the grade of steel used for shaft and shall have mechanical properties at least equal to the base metal.

The mast shaft shall be fabricated from special steel plates conforming to grade S355 JO as per BS EN10025 or equivalent grade. All holding bolts shall be hot dip galvanized. For environmental protection of the mast the entire fabricated mast shall be hot dip galvanized internally and externally, with entire shaft section galvanized through single dip process, without any overlapping of zinc coating and having a minimum uniform thickness as per relevant IS code. No further touching up, finishing or modification shall be carried out after galvanizing, except for those specified in applicable standards.

##### III. Door opening

An adequate door opening should be provided at the base of mast so as to permit clear access to equipment like winch, cables, etc and also to facilitate easy removal of the wind. The door opening shall be complete with close fittings vandal resistant weatherproof door with suitable locking arrangement. Necessary reinforcement shall be done to maintain the strength of the mast due to this opening. The earthing terminals shall be provided inside the mast.

#### IV. Dynamic loading for the mast.

The mast structure shall be suitable to sustain an assumed maximum reaction arising from wind speed as specified in IS 875. The design life of the mast shall be minimum 25 years with design wind speed as per IS 875 and gust factor of 1.3. The maximum horizontal deflection of top point, when subject to two third of design wind speed shall not exceed 1/40 of the length above the ground.

In addition the manufacturer should have in-house facility to verify the structural stability calculation output results through a type test on a full-length mast under serviceability and ultimate limit conditions as per calculations carried out in accordance with the procedure defined in TR#7. High masts only from those manufacturers are acceptable who confirm to meet this requirement. The client reserves the right to ask the manufacturer to demonstrate the deflection and suitability of one of mast during inspection for which no additional charges should be made. Further the acceptance of material will be subject to satisfactory results from this test.

#### V. Lantern carriage.

A lantern carriage shall be provided for fixing and holding the flood lights fittings and control gear boxes, the lantern carriage shall be minimum of special design and shall have minimum thickness of 4mm. the lantern carriage shall be provided with protective NYLON PADDED GUIDE RING/ PCV Sleeve so that no damage is caused to the surface of the mast during raising and lowering operation of carriage. The entire lantern carriage shall be hot dip galvanized.

#### VI. Raising and lowering mechanism.

The raising and lowering mechanism for the lantern carriage shall be incorporated following equipments and specifications:-

##### 1. Winch

The winching system shall remain permanently inside each mast. The winch shall be essentially single drum and of robust design and completely self sustaining type without the need of break shoe, springs or clutches. The minimum safe working limit of the winch shall not be less than mobile less than 500Kg. The capacity of winch and operating speed shall be marked on each winch along with specification of lubricant to be used. Minimum of 6 turns of wire rope should be on grooved drum when the mobile luminary is fully lowered to rest on luminaries supporting arms. The winch should be entirely self sustaining under all normal circumstances and it is not dependent on the brake or restraining device so that uncontrolled or dangerous run away speeds will not occur in the event of total failure of this device. Test certificate in support of safe working limit shall be provided.

##### 2. Head Frame.

The head frame shall include a pulley system to accommodate three stainless steel hoisting wire ropes at any one time and separate pulleys shall be of non corrodible material and shall run on self lubricating bush/bearings with stainless steel axles.

##### 3. Stainless Steel Wire Rope.

The suspension system shall essentially be without any intermediate joint and shall consist of non-corrodible stainless steel wire rope of AISI316 or better grade. The mast shall be fitted with flexible stranded steel hoisting wire rope of 7x19 constructions, 5mm dia, with minimum breaking capacity of 1500kg. The combined lifting capacity of hoisting wire rope shall have a minimum factor of safety not less than 5 times the safe working load of the winch.

#### VII. Electrical cables and junction box.

##### 1. Trailing cable.

Trailing cable shall be of 110KV grade, electrolytic grade copper conductor multi core flexible cable of minimum 2.5sq.mm size, EPR coated, PCP sheathed.

##### 2. Internal cable/wires.

The connections from the top junction box to individual luminaries should be made by using 1100KV grade copper conductor 3c x 1.5 sq.mm flexible cables.

**3. Junction Box.**

Weatherproof galvanized/ cast Al. junction box shall be provided on the lantern carriage with requisite numbers of stud type terminals from which the interconnecting cable shall be taken out, duly provided with lugs, for connection on luminaries / control gear mounted on lantern carriage.

**3. Earthing terminals**

Three nos. earthing terminal using 12mm dia stainless steel bolts shall be provided at a convenient on the base of the mast, one exclusively for the lightening conductor and two for the electrical earthing.

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AEE/SZ

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13/05/2026  
JEE/SZ

No.	Description	Measurement/ Value	Remarks
1	Pole shape	Octagon	Regular
2	Pole Length	5000mm	From Base Center to Upper center of octagon
3	Bottom Dimension	130mm	O. A/F
4	Upper Dimension	70mm	O. A/F
5	Thickness of Material	3mm	Minimum
6	Material	HT steel grade E350 as per IS 2062	HT Steel
7	Window Opening	500mm	From Base center octagon
8	Bottom plate	225mm*225mm*12mm	Mild Steel, 4 holes for bolts
9	Hot dip Zinc Galvanisation	70 micron	Outside and inside both (As per IS 4759(1996))
10	Mounting Strip	3 strips of 4mm thick GI	
12	Terminal Connection :-	4 Nos.	2 on supply side and 2 on load side
13	MCB	6 Ampere	C Type
14	Laminated Sheet	6mm	
15	Reinforced Door		
16	Embossing of manufacturer		On Pole
17	Flashing of window cover		Weatherproofing
18	DIN Channel	Suitable length	For MCB
19	Earth Stud		With M10 GI bolt
20	Cable support Clamp	2 nos.	one for Supply cable & one for fitting cable
21	Welding	Longitudinal Welding	1 no. only
22	Weight	5 Meter = 44 KG	Minimum Weight

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JEE/RE

(17)

No.	Description	Measurement/ Value	Remarks
1	Pole shape	Dodecagon	Regular
2	Pole Length	12000 mm	From Base Center to Upper center of Dodecagon
3	Bottom Dimension	350mm	O. A/F
4	Upper Dimension	150mm	O. A/F
5	Thickness of Material	4mm	Minimum
6	Material	HT steel grade E 350 as per IS 2062	HT Steel
7	Window Opening	250*1000mm^2	Dimension of Window and from 500mm from below
8	Bottom Flange	540mm(Diameter)	High Tensile Steel, 20mm thick, 6 holes for bolts of 30mm at 440mm PCD
9	Hot dip Zinc Galvanisation	70 micron	Outside and inside both (As per IS 4759(1996))
12	MCB	6 Ampere	4 nos. C Type
13	Isolator	63 Ampere	1 nos.
15	Reinforced Door		Anti Vandal Type and Attached to pole via hinge
16	Embossing of manufacturer		On Pole
17	Flashing of window cover		Weatherproofing
18	DIN Channel		For 4 MCB's & 1 Isolator
19	Earth Stud		With M10 GI bolt
20	Cable support Clamp		one for Supply cable & 1 for fitting cable
21	Welding	2 nos.	1 no. only
22	Weight	350 KG	Minimum Weight, without Handling Mechanism
23	Foundation	1*1*2m^3	L*B*D, RCC(1:2:4) (Open Raft Shallow Foundation)
24	Lubricant	Grease/ Gear Oil	
	Gear Material	Phosphor Bronze	

Additional Commissioner (Electrical Engineering)

Additional Commissioner (Electrical Engineering)

All CEs/SEs/DEs

Copy to:  
1. PS to Commissioner, MCD  
2. Engrs-C-I & II  
3. All Dy. Commissioners



MUNICIPAL CORPORATION OF DELHI  
OFFICE OF THE ADDL. COMMISSIONER (ENGINEERING)  
6<sup>TH</sup> FLOOR, E-1, BLOCK, CIVIC CENTRE,  
J.L. NEHRU MARG, NEW DELHI-110002.



39/c

No: - Addl. Comm (Engg.)/MCD/2026/D- 96

Dated: - 23/3/26

CIRCULAR

Subject: Installation of display boards at construction sites for works costing more than Rs 10 Lacs

With the aim of enhancing transparency, it has been decided to share crucial project information of works/projects undertaken by Municipal Corporation of Delhi to the public at large via display boards at construction sites.

It is therefore directed to install weather resistant metal display board of size 3 feet(horizontal) X 4 feet(vertical) at construction/project sites abutting the public road or at conspicuous place at eye level (not hindering movement) indicating following information in black letters in white background and superscribed with "Municipal Corporation of Delhi" :-

1. Name of work:
2. Contractual cost:
3. Funding of Project/Scheme:
4. Name of contractor with mobile number:
5. Date of commencement:
6. Date of completion:
7. Name of Executive Engineer/AE/JE:
8. Contact number of Executive Engineer/AE/JE:
9. QR code of work order:

All the expenses for installation of board at construction site shall be borne by the respective contractor.

The Quality Control Cell shall invariably record the aspect regarding installation/non-installation of display board at construction sites in their inspection reports.

This circular should be incorporated in all the NITs. This circular shall also be applicable in tender cases where last date of bid submission has not been lapsed.

This issues with approval of competent authority.

All CEs/SEs/EEs

Additional Commissioner (Engineering)

Copy to:

1. PS to Commissioner, MCD
2. E-in-C-I & II
3. All Dy. Commissioners

Additional Commissioner (Engineering)

(1)

38/c



MUNICIPAL CORPORATION OF DELHI  
OFFICE OF THE ADDL. COMMISSIONER (ENGG)  
6<sup>TH</sup> FLOOR, E-1, BLOCK, CIVIC CENTRE,  
J.L. NEHRU MARG, NEW DELHI-110002.



No: - Addl. Comm(Engg.)/MCD/2026/D- 88

Dated: - 18/03/26

CIRCULAR

**Sub: Modification In Para 5.2 of CPWD Work Manual 2024.**

CPWD vide office memorandum No .DG/Manual -2024/20 Dated 27.02.26 has issued modification Para no. 5.2 of CPWD Work Manual 2024 regarding performance guarantee, abnormally low bid and requirement of additional performance guarantee (copy enclosed).

The provisions of OM No. DG/Manual-2024/20 Dated 27.02.26 shall be applicable mutatis mutandis in all the engineering works of MCD.

These provisions shall be applicable in tender cases where last date of bid submission has not been lapsed.

These provisions shall come into force with immediate effect.

This issues with the approval of competent authority.

Encl: as above

  
18/3/26  
Additional Commissioner (Engineering)

All CEs/SEs/EEs(Through CEs)

(14)

37/4

केन्द्रीय लोक निर्माण विभाग  
कार्यालय ज्ञापन

No. DG/Manual-2024/20

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidvut Bhawan, New Delhi

Dated: 27.02.2026

Sub: Modification In Para 5.2 for CPWD Works Manual 2024.

Following modification is made In Para no. 5.2 for CPWD Works Manual 2024:

Existing Provision	Modified Provision
<b>5.2-Performance Guarantee</b>	<b>5.2 Performance Guarantee</b>
<b>Sl. No. 1</b>	<b>No Change</b>
2. PG shall be 5% of the contract amount or as prescribed from time to time to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of sixty days beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.	2. PG shall be 5% of the Estimated cost put to tender (ECPT) or contract amount whichever is higher, or as prescribed from time to time, to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of six months beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.
<b>Sl. No. 3</b>	<b>No Change</b>
<b>4. No provision</b>	4. A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender.
<b>5. No provision</b>	5. Requirement of Additional Performance Guarantee (APG) : In case of abnormally low bids as defined above, the bidder shall be required to submit Additional Performance Guarantee (APG) in addition to the Standard Performance Guarantee (PG). The amount of Additional Performance Guarantee (APG) shall be equivalent to the difference between the 80% amount of ECPT and quoted amount. (e.g. If ECPT is A and quoted amount is 0.7A then the amount of APG shall be

*[Signature]*  
B. Jindal  
CPWD Contract

36/C

	0.8A - 0.7A). The Additional Performance Guarantee (APG) shall be in the prescribed format of Performance Guarantee and has to be submitted within the time frame prescribed for submission of Performance Guarantee. The other terms and conditions of release etc. of APG shall be same as that of PG.
--	---

This is issues with the approval of DG CPWD.

*(Signature)*  
27-02-2026  
(चन्द्र पाल)  
अधीक्षण अभियंता (सी/एड/एसी/एफ/एन)  
Chief Engineer (P&I), SE (C&M)

Issued from file No. CSQ/CM/16(1)/2026 o-file 9212995 (DFA/ 9365789)

केलोनवि तथा लोनवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु। (केलोनवि वेबसाईट के माध्यम से)

*(Signature)*  
27/2/26

D.P. Jindal  
EE (Contract)

SPECIAL CONDITIONS OF CONTRACT (which shall prevail over GCC):

1. No payment shall be made for work, estimated to cost Rs. twenty lacs or less till after the whole of the work shall have been completed and certificate of completion given. For works estimated to cost over Rs. twenty lacs, the interim or running account bills shall be submitted by the contractor for the work executed on the basis of such recorded measurements on the format of the Department in triplicate on or before the date of every month fixed for the same by the Engineer-in-Charge. The contractor shall not be entitled to be paid any such interim payment if the gross work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment is less than the amount specified in Schedule 'F', in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved. Engineer-in-Charge shall arrange to have the bill verified by taking or causing to be taken, where necessary, the requisite measurements of the work. In the event of the failure of the contractor to submit the bills, no claims whatsoever due to delays on payment including that of interest shall be payable to the contractor. Payment on account of amount admissible shall be made by the Engineer-in-Charge certifying the sum to which the contractor is considered entitled by way of interim payment at such rates as decided by the Engineer-in-Charge. An amount of ad-hoc payment not less than 75% of the net amount of the bill under check, shall be made within 10 working days of submission of the bill by the Contractor to the Engineer-in-Charge or his Authorized Engineer together with the account of the material issued by the department, or dismantled materials, if any. The remaining payment is also to be made after final checking of the bill within 28 working days of submission of bill by the contractor. In case of delay in payment of intermediate bills after 45 days of submission of bill by the contractor, provided the bill submitted by the contractor found to be in order, a simple interest @ 5% (five percent) per annum shall be paid to the contractor from the date of expiry of prescribed time limit. All such interim payments shall be regarded as payment by way of advances against final payment only and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re-erected. Any certificate given by the Engineer-in-Charge relating to the work done or materials delivered forming part of such payment, may be modified or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the contract and specifications. Any such interim payment, or any part thereof shall not in any respect conclude, determine or affect in any way powers of the Engineer-in-Charge under the contract or any of such payments be treated as final settlement and adjustment of accounts or in any way vary or affect the contract. Pending consideration of extension of date of completion, interim payments shall continue to be made as herein provided without prejudice to the right of the department to take action under the terms of this contract for delay in the completion of work, if the extension of date of completion is not granted by the competent authority. The Engineer-in-Charge in his sole discretion on the basis of a certificate from the Asstt. Engineer to the effect that the work has been completed up to the level in question make interim advance

payments without detailed measurements for work done (other than foundations, items to be covered under finishing items) up to lintel level (including sunshade etc.) and slab level, for each floor working out at 75% of the assessed value. The advance payments so allowed shall be adjusted in the subsequent interim bills to be submitted by the contractor within 10 days of the interim payment. In case of delay in submission of bill by the contractor a simple interest @ 10% per annum on the advance payment made shall be paid to the Government from the date of expiry of prescribed time limit.

2. The final bill shall be submitted by the contractor in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Engineer-in-Charge whichever is earlier. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payment of those items of the bill in respect of which there is no dispute, and for those items which are in dispute on account of quantity and/or rates shall be paid at approved quantity and/or rates by the Engineer-in-Charge, within three months period reckoned from the date of receipt of the bill by the Engineer in-Charge or his authorized Assistant Engineer, complete with account of materials issued by the Department and dismantled materials. If the final bill is submitted by the contractor within the period specified above and payment of final bills is made by the deptt. after prescribed time limit, a simple interest @ 5% per annum shall be paid to the contractor from the date of expiry of prescribed time limit, provided the final bill submitted by the



**PROFORMA OF SCHEDULES A TO F**

**OF**

**CONTRACT**

**FOR**

**S.D.M.C. WORKS**

(Based on G.C.C. of C.P.W.D. Works, 2014)

**SOUTH DELHI MUNICIPAL CORPORATION**  
**(ENGINEERING DEPARTMENT)**

**PROFORMA OF SCHEDULES A TO F      SOUTH DELHI MUNICIPAL CORPORATION**

**PROFORMA OF SCHEDULES**  
 (Separate Performa for Civil, Elect. & Hort. Works in case of Composite Tenders)  
 (Operative Schedules to be supplied separately to each intending tenderer)

**SCHEDULE 'A'**  
 Schedule of quantities      *Attached.*

**SCHEDULE 'B'**  
 Schedule of materials to be issued to the contractor.      *NA*

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5

**SCHEDULE 'C'**  
 Tools and plants to be hired to the contractor      *NA*

S.No.	Description of item	Hire charges per day	Place of issue
1	2	3	4

**SCHEDULE 'D'**  
 Extra schedule for specific requirements/document for the work, if any.      *NA*

**SCHEDULE 'E'**  
 Reference to General Conditions of contract.

Name of Work: *Provision of lighting arrangement at Gulmohar Park in ward no. 14B  
 Haug khas under South Zone.*

Estimated cost of work : Rs. *17,80,576/-*

- (i) Earnest Money : Rs. *3,56,50/-* (to be returned after receiving performance guarantee)
- (ii) Performance Guarantee : 5% of tendered value
- (iii) Security Deposit : 2.5% of tendered value

Or

2.5% of tendered value plus 2.5% of PG for contracts involving maintenance of the building and services/ other work after construction of same building and services/ other work

**SCHEDULE 'F'**

**GENERAL RULES & DIRECTIONS :**

Officer inviting tender ..... *EEE-IV/SZ*  
 Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3:

PROFORMA OF SCHEDULES A TO F

SOUTH DELHI MUNICIPAL CORPORATION

Definitions:

2(v) Engineer-In-Charge

EEE-IV/SZ

2(viii) Accepting Authority

SEE-VI

2(x) Percentage on cost of materials and

Labour to cover all overheads and profits:

15%

2(xi) Standard Schedule of Rates

DSR-2015 & A.R.

2(xii) Department

Electrical

9(ii) Standard SDMC Contract Form

SDMC Form A-33/A-34 modified & Corrected

up to date

Clause 1

(i) Time allowed for submission of Performance Guarantee, programme chart (time and progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare Board or proof of applying thereof from the date of issue of letter of acceptance 10 days

(ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above 15 days\*

\*\*\* (1 to 15 days to be filled by NIT approving authority)

Clause 2

Authority for fixing compensation under clause 2 .....

Clause 2A

Whether Clause 2A shall be applicable

Yes / No

Applicable clause 2/clause 2A

Clause 5

Schedule of handing over the site.

Applicable clause 5/clause 5A

Part	Portion of Site	Description	Time period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	full	10
Part B	Portions with encumbrances	NA	NA
Part C	Portions dependent on work of other agencies	NA	NA

Schedule of Issue of Designs.

Part	Portion of design	Description	Time period issue of design reckoned from date of receipt of tender
Part A	Portion already included in NIT	NA	NA
Part B-1	Portions of Architectural Designs to be issued	NA	NA
Part B-2	Portions of Civil Designs to be issued	NA	NA
Part B-3	Portions of E&M designs to be issued	NA	NA

**PROFORMA OF SCHEDULES A TO F**

**SOUTH DELHI MUNICIPAL CORPORATION**

**Clause 5.2**

Nature of Hindrance Register (either Physical or Electronic) Physical

**Clause 5.4**

Schedule of rate of recovery for delay in submission of the modified programme in terms of delay days

S.No.	Contract Value	Recovery (Rs.)
I.	Less than or equal to Rs. 1 crore	500
II.	More than Rs. 1 Crore but less than or equal to Rs. 5 Crore	1000
III.	More than Rs. 5 Crore but less than or equal to Rs. 20 Crores	2500
IV.	More than Rs. 20 Crores	5000

Number of days from the date of issue of letter of acceptance for reckoning date of start ..... 10 ..... days

Mile stone(s) as per table given below :-

S.No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non-achievement of milestone
1			
2			
3			
4			

Time allowed for execution of work. 60 days ..... Months

Authority to decide :

- (i) Extension of time ..... CEE ..... (Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)
- (ii) Rescheduling of mile stones ..... CEE .....  
(Superintending Engineer in Charge or Superintending Engineer in Charge of Major Component in case of Composite contracts, as the case may be)
- (iii) Shifting of date of start in case of delay in handing over of site ..... SEE ..... (Superintending Engineer in Charge or Superintending Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)

**Clause 6, 6A**

Clause applicable - (6 or 6A) .....

- (i) For works having estimated cost more than Rs. 15 lacs - Clause 6A
- (ii) For works having estimated cost Rs. 15 lacs or less - Contractor's option either of Clause 6 or Clause 6A (to be exercised at Tender Submission)

**Clause 7**

Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment

Rs. ....

**Clause 7A**

Whether Clause 7A shall be applicable

Yes/No

**Clause 8 B**

- (i) This shall not apply for maintenance or up gradation contracts not involving any services.
- (ii) For other works, the limit shall be as below :

S.No.	Contract Value	Limit (Rs.)
I.	Less than or equal to Rs. 1 crore	2000
II.	More than Rs. 1 Crore but less than or equal to Rs. 5 Crore	5000
III.	More than Rs. 5 Crore but less than or equal to Rs. 20 Crores	25000
IV.	More than Rs. 20 Crores	50000

PROFORMA OF SCHEDULES A TO F

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Clause 10A

List of testing equipment to be provided by the contractor at site lab.

1. Meggar 2. multimeter 3. V. Calliper  
 4. Screw gauge 5. Earth tester 6. \_\_\_\_\_

Clause 10B(ii)

N.A.

Whether Clause 10 B (ii) shall be applicable

Yes / No

Clause 10C

NA

Component of labour expressed as percent of value of work = \_\_\_\_\_ %

Clause 10CA

NA

S.No.	Material covered under this clause	Nearest Materials (other than cement*, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Base Price and its corresponding period of all Materials covered under clause 10 CA**
1			
2			
3			
4			

\* includes Cement component used in RMC brought at site from outside approved RMC plants, if any.

\*\*Base price and its corresponding period of all the materials covered under clause 10 CA is to be mentioned at the time of approval of NIT. In case of recall of tenders, the base price may be modified by adopting latest base price and its corresponding period. (Modified vide OM DG/CON/260 dt. 27.02.2012)

Clause 10CC

NA

Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column 12 months

Schedule of component of other Materials, Labour, etc. for price escalation.

Component of civil (except materials covered under clause 10CA) /Electrical construction Materials expressed as percent of total value of work. - Xm \_\_\_\_\_%

Component of Labour - expressed as percent of total value of work. Y \_\_\_\_\_%

Note : Xm.....% should be equal to (100) - (materials covered under clause 10CA i.e. Cement, Steel, POL and other material specified in clause 10CA + Component of Labour)

Clause 11

Specifications to be followed for execution of work

CPWD Specification Norms.

Clause 12

Type of work

original work

\*\*\*To be filled by NIT approving authority either Project and original work or Maintenance works including works of up-gradation, aesthetic, special repair, addition/ alteration in buildings.

The items related to road work like up-gradation/ improvement of footpath & central verge, improvement of carriage way by patch repair or annual/periodical repairs of road surface and A/R & M/O works pertaining to road shall be treated as maintenance work.

New road construction works and the strengthening of road surface shall be considered as original works. (Modified vide OM DG/CON/270 dt. 11.06.2012)

12.2 & 12.3

Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work

NA

**PROFORMA OF SCHEDULES A TO F**

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12.5 (i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work sub head in DSR and related items) ..... *NA* .....

(ii) Deviation Limit for items mentioned in earth Work sub head of DSR and related items. .... *NA* .....

Clause 16  
Competent Authority for deciding reduced rates .....

Clause 18  
List of mandatory machinery, tools & plants to be deployed by the contractor at site:-

- |                        |                            |                     |
|------------------------|----------------------------|---------------------|
| 1. <i>Meggar</i> ..... | 2. <i>multi meter</i>      | 3. <i>E. tester</i> |
| 2. <i>Screw gauge</i>  | 5. <i>Vernier Calliper</i> | 6. ....             |
| 7. ....                | 8. ....                    | 9. ....             |

Clause 25  
Constitution of Dispute Redressal Committee (DRC)

Chairman - ..... *NA* .....

Member - ..... *NA* .....

Member - ..... *NA* .....

Clause 36 (i)

**Requirement of Technical Representative(s) and recovery Rate**

S. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum Expenditure	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						Figure	Words
1.							
2.							
3.							
4.							
5.							

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause 42

(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates

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**PROFORMA OF SCHEDULES A TO F**

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(ii) Variations permissible on theoretical quantities:

- (a) Cement
  - For works with estimated cost put to tender not more than Rs. 5 lakh. 3% plus/minus.
  - For works with estimated cost put to tender more than Rs. 5 lakh. 2% plus/minus.
- (b) Bitumen All Works 2.5% plus & only & nil on minus side.
- (c) Steel Reinforcement and structural steel sections for each diameter, section and category 2% plus/minus
- (d) All other materials. Nil

**RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION**

S.No.	Description of Item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond Permissible variation	Less use beyond permissible variation
1.	Cement		
2.	Steel Reinforcement		
3.	Structural Sections		
4.	Bitumen issued free		
5.	Bitumen issued at stipulated fixed price		

Annexure to clause 34 (x) showing quantities of materials of areas of surfacing to be considered for working out minimum period for which hire charges of road roller are to be recovered.

Sl. No.	Material of surfacing	Quantity or areas
1.	Consolidation of earth sub grade	1860 sqm
2.	Consolidation of stones soling 15 cm to 22.5 cm thick	170 cu.m
3.	Consolidation of brick soling 10 cm to 20 cm thick	230 cu.m
4.	Consolidation of wearing coat of stone ballast 7.5 cm to 11.5 cm thick	30 cum
5.	Consolidation of wearing coat of brick ballast 10cm, thick	60 cum
6.	Spreading and consolidation of red bajri 6 mm	1860 sqm
7.	Painting one coat using stone aggregate 12.5 mm nominal size (a) @ 1.65 m <sup>3</sup> per 100 m <sup>2</sup> and paving bitumen A-90 or S-90 @ 2.25 kg per sqm or (b) @ 1.50 m <sup>3</sup> per 100 m <sup>2</sup> and bitumen emulsion or Road tar @ 2.25 Kg per sqm	930 sqm
8.	Painting two coats using:- (a) For first coat, stone aggregate 12.5 mm nominal size: (i) @ 1.50m <sup>2</sup> per 100m <sup>2</sup> with paving bitumen A-90 or S-90 @ 2 Kg per sqm OR (ii) @1.35m <sup>3</sup> per 100m <sup>2</sup> with bitumen emulsion @ 2 Kg per sqm OR (iii) @1.25m <sup>3</sup> per 100m <sup>2</sup> with road tar @ 2.25 Kg per sqm (b) For 2nd coat, stone aggregate 10mm nominal size 0.9 cum per 100 Sqm with (i) 1Kg of paving bitumen A-90 or S-90 or bitumen emulsion per Sqm OR (ii) 1.25 Kg. of road tar. per Sqm.	600 sqm 600 sqm.
9.	Re-painting with stone aggregate 10 mm nominal size 0.9 cum per 100 Sqm with:- (a) 1 Kg. of paving bitumen A-90 or S-90 per Sqm OR (b) 1.25 kg of bitumen emulsion per Sqm	1670 sqm
10.	2 cm premix carpet surfacing using 2.4 m <sup>3</sup> of stone aggregate 10 mm nominal size per 100 m <sup>2</sup> and binder including tack coat, the binder being hot cut back bitumen or bitumen emulsion specified quantities.	930 sqm
11.	2.5 cm premix carpet surfacing using 3m <sup>3</sup> of stone aggregate 10 mm nominal size per 100 m <sup>2</sup> and binder including tack coat, the binder being hot cut back Bitumen or bitumen emulsion in specified quantities.	930 sqm
12.	4 cm thick bitumen concrete surfacing using stone aggregate 3.8 cum (60% 20mm nominal size and 40% 12.5 mm nominal size) per 100 m <sup>2</sup> and coarse sand 1.9 cum per 100 m <sup>2</sup> and hot cut back bitumen over a tack coat of hot cut back bitumen.	460 sqm

- |  |         |
|--|---------|
| 13. 5 cm thick bitumen concrete surfacing using stone aggregate 4.8 cum (60% 25 mm nominal size and 40% 20mm nominal size) per 100m <sup>2</sup> and coarse sand 2.4 cum per 100 Sqm and hot cut back bitumen over a tack coat of hot cut back bitumen   | 370 sqm |
| 14. 6cm thick bitumen concrete surfacing using stone aggregate 5.8 cum (60% 40mm nominal size and 40% 25mm nominal size) per 100 Sqm and coarse sand 2.9 cum per 100 Sqm and hot cut back bitumen over a tack coat of hot cut back bitumen.  | 280 sqm |
| 15. 7.5 cm thick bitumen concrete surfacing using stone aggregate 7.3 cum (60% 50mm nominal size and 40% 40mm nominal size) per 100 Sqm and coarse sand 3.65 cum per 100 Sqm and hot cut back bitumen over a tack coat of hot cut back bitumen.  | 230 sqm |
| 16. 2.5 cm bitumastic sheet using stone aggregate 1.65 cum (60% 12.5mm nominal size and 40% 10mm nominal size) per 100 Sqm and coarse sand 1.65 cum per 100 Sqm and hot cut back bitumen over a tack coat of hot cut back bitumen.   | 750 sqm |
| 17. 4cm bitumastic sheet, using stone aggregate 2.6 cum (60% 12.5mm nominal size and 40% 10mm nominal size) per 100 Sqm and coarse sand 2.5 cum per 100 Sqm and hot cut back bitumen over a tack coat of hot bitumen.  | 560 sqm |
| 18. Laying full grouted surface using stone aggregate 40 mm nominal size 6.10cum per 100 Sqm with binder, binding with 20mm to 12.5mm nominal size stone grit. 1.83 cum per 100 Sqm and seal coat of binder and stone grit 10mm nominal size, 1.07cum per 100 Sqm, the binder being hot bitumen or tar as specified. | 460 sqm |
| 19. Laying full grouted surface using stone aggregate 50mm nominal size 9.14 cum per 100 Sqm grouting with binder with stone grit 20 mm to 12.5 mm nominal size, 1.83 cum per 100 Sqm and seal coat of binder and stone grit 10mm nominal size 1.07 cum/100 Sqm the binder being hot bitumen or tar.                 | 370 sqm |
| 20. 4cm thick premix macadam surfacing using stone aggregate 25mm nominal size 4.57 cum per 100 Sqm and hot bitumen binding with stone aggregate 12.5 mm nominal size 1.52 cum per 100 Sqm and seal coat of hot bitumen and stone aggregate 10mm nominal size 1.07 cum per 100 Sqm.                                  | 560 sqm |
| 21. 5cm thick premix macadam surfacing with stone aggregate 25 mm nominal size, 6.10 cum per 100 Sqm and hot bitumen binding with stone aggregate 12.5 mm nominal size 1.52 cum per 100 Sqm and seal coat of hot bitumen and stone aggregate 10mm nominal size 1.07 cum per 100 Sqm.                                 | 460 sqm |