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Print

Help

Tender Inviting Authority: M(RB)

Name of Work:- R/M & upkeeps of ITPO premises during 2025-26.

SH:- Conversation of proposed F & B facility of Mezzanine floor of Hall no.1& 2 into the Conference Hall at Bharat Mandapam.

## **Contract No:**

| Bidder |  |
|--------|--|
| Name:  |  |

## PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

## NOTE:-

- 1.The rates should be quoted inclusive of GST as applicable
- 2. The agency should file ECR against ESI & EPF for the individual workers engaged in ITPO & submit the same with bank certified copy, bill, wage sheet & attendance sheet etc. before payment.
- 3. Contractural Labour Act Registration if applicable.

| NUMB | TEXT #  | NUMBER # | TEXT # | NUMBER                | NUMBER#      | TEXT #  |
|------|---|----------|--------|-----------------------|--------------|---|
| Sl.  | Item Description  | Quantity | Units  | <b>Estimated Rate</b> | TOTAL AMOUNT | TOTAL AMOUNT  |
| No.  |   |          |        |                       |              | In Words  |
| 1.00 | Part A - Civil  |          |        |                       |              |   |
|      | CEMENT CONCRETE (CAST IN SITU) Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:5:10 (1 cement: 5 fine sand derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources) | 160.00   | cum    | 6189.65               |              | INR Nine Lakh Ninety<br>Thousand Three Hundred &<br>Forty Four Only |
|      | WOOD AND P. V. C. WORK 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws   | 20.00    | sqm    | 2392.65               |              | INR Forty Seven Thousand<br>Eight Hundred & Fifty Three<br>Only     |
|      | Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).  | 20.00    | sqm    | 462.35                |              | INR Nine Thousand Two<br>Hundred & Forty Seven Only                 |
|      | Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete: 250x16 mm   | 20.00    | each   | 260.60                |              | INR Five Thousand Two<br>Hundred & Twelve Only                      |
|      | Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: 250x10 mm   | 20.00    | each   | 115.15                |              | INR Two Thousand Three<br>Hundred & Three Only                      |
|      | STEEL WORK Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with: 5.5 mm thick glass panes   | 20.00    | sqm    | 1390.15               |              | INR Twenty Seven Thousand<br>Eight Hundred & Three Only             |

| 8.00  | FLOORING Providing and laying vitrified floor tiles in diferent sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm   | 1550.00 | sqm  | 1553.45 | 2407848.00 | INR Twenty Four Lakh Seven<br>Thousand Eight Hundred &<br>Forty Eight Only |
|-------|--|---------|------|---------|------------|--|
| 9.00  | Providing and laying Vitrified tiles in diferent sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm  | 60.00   | sqm  | 1623.05 | 97383.00   | INR Ninety Seven Thousand<br>Three Hundred & Eighty Three<br>Only          |
| 10.00 | FINISHING Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats  | 2106.00 | sqm  | 137.45  | 289470.00  | INR Two Lakh Eighty Nine<br>Thousand Four Hundred &<br>Seventy Only        |
| 11.00 | Dismantling and Demolishing Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.   | 200.00  | cum  | 263.95  | 52790.00   | INR Fifty Two Thousand Seven<br>Hundred & Ninety Only                      |
| 12.00 | ALUMINIUM WORK Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium tubular handle bar   | 20.00   | each | 575.75  | 11515.00   | INR Eleven Thousand Five<br>Hundred & Fifteen Only                         |
| 13.00 | Providing and fixing Brass 100 mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.  | 20.00   | each | 528.85  | 10577.00   | INR Ten Thousand Five<br>Hundred & Seventy Seven Only                      |
| 14.00 | WATER PROOFING Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. | 450.00  | sqm  | 617.05  | 277673.00  | INR Two Lakh Seventy Seven<br>Thousand Six Hundred &<br>Seventy Three Only |

| 15.00 | Khanger Filling i/c compaction and transportation all complete   | 164.00  | cum | 2725.48  | 446979.00  | INR Four Lakh Forty Six<br>Thousand Nine Hundred &<br>Seventy Nine Only         |
|-------|--|---------|-----|----------|------------|---|
| 16.00 | Providing and Fixing 20 mm thick n sizes 600x600 mm, 4mm bevealed edge in concealed system, easily demountable tiles in true horizontal level suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between mainT' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25mm long dry wall screws @ 230 mm interval, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main T', bottom exposed with 24mm of all Tsections shall be pre-painted with polyster baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge. 85% light reflectance (of which more than 99% is diffuse reflection). The system should have Sound Absorption NRC value of 0.9 (according to EN ISO 11654). Tiles should withstand a permanent ambient RH upto 75% at 30 * C without sagging, warping or delaminating (ISO 4611). Approved make Saint Gobain or equivalent | 1290.00 | sqm | 7685.00  | 9913650.00 | INR Ninety Nine Lakh Thirteen<br>Thousand Six Hundred & Fifty<br>Only           |
| 17.00 | Providing & Fixing of FR grade acoustic strech fabric system of size 1.20m wide shall be stretched over the grippers. The frame work consists of of Solid wooden base of 28mm thick battens and 12mm grippers. Acoustic wall panel of 40 mm thick with minimum sound absorption coefficient of 0.9 without airgap. Fabric on the panels wrapped around in concealed system with grippers and wooden battens The glass wool core of the tiles should be tested and classified as noncombustible according to EN ISO 1182 with reaction to fire classification class A2 s1 dO according to EN 13501 - 1 - European Standard. Approved make Saint Gobain or equivalent  | 431.00  | sqm | 12245.00 | 5277595.00 | INR Fifty Two Lakh Seventy<br>Seven Thousand Five Hundred<br>& Ninety Five Only |
| 18.00 | Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. 8.2.3.2 Area of slab over 0.50 sqm  | 200.00  | sqm | 3848.70  | 769740.00  | INR Seven Lakh Sixty Nine<br>Thousand Seven Hundred &<br>Forty Only             |

| 19.00 | Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. 8.3.2 Granite work  | 160.00  | metre | 510.95  | 81752.00  | INR Eighty One Thousand<br>Seven Hundred & Fifty Two<br>Only              |
|-------|--|---------|-------|---------|-----------|---|
| 20.00 | Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1: 4 (1 cement: 4 coarse sand): 11.26.1 25 mm thick  | 220.00  | sqm   | 1948.25 | 428615.00 | INR Four Lakh Twenty Eight<br>Thousand Six Hundred &<br>Fifteen Only      |
| 21.00 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :Cement mortar 1:4(1 cement :4 coarse sand)   | 80.00   | cum   | 7370.65 | 589652.00 | INR Five Lakh Eighty Nine<br>Thousand Six Hundred & Fifty<br>Two Only     |
| 22.00 | Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.  | 1050.00 | sqm   | 262.70  | 275835.00 | INR Two Lakh Seventy Five<br>Thousand Eight Hundred &<br>Thirty Five Only |
| 23.00 | 12 mm cement plaster of mix: 13.1.1 1:4 (1 cement: 4 fine sand)  | 700.00  | sqm   | 347.50  | 243250.00 | INR Two Lakh Forty Three<br>Thousand Two Hundred & Fifty<br>Only          |
| 24.00 | Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/sqm(both side inclusive), consisting of floor and ceiling channel 50 mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete. 66 mm overall thickness Partition with 8 mm thick double skin Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq.cm, Bending Strength 100 kg./ sq.cm | 250.00  | sqm   | 2225.00 | 556250.00 | INR Five Lakh Fifty Six Thousand Two Hundred & Fifty Only                 |
| 25.00 | Part B - Electrical  |         |       |         |           |   |

| 26.00 | Wiring for light / power plug with 2x4 sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No. 4sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. | 794.00  | metre | 433.00 | 343802.00 | INR Three Lakh Forty Three<br>Thousand Eight Hundred & Two<br>Only |
|-------|---|---------|-------|--------|-----------|--|
| 27.00 | Wiring for Circuit / submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, recessed steel conduit as required, 2 x 1.5 sq. mm + 1 x 1.5 sq.Mm earth wire   | 2920.00 | metre | 327.00 | 954840.00 | INR Nine Lakh Fifty Four<br>Thousand Eight Hundred &<br>Forty Only |
| 28.00 | 2 x 2.5 sq. mm + 1x2.5 sq. mm earth wire  | 2590.00 | metre | 369.00 | 955710.00 | INR Nine Lakh Fifty Five<br>Thousand Seven Hundred & Ten<br>Only   |
| 29.00 | 4 x 4 sq. mm + 2 x 4 sq. mm earth wire  | 388.00  | metre | 677.00 | 262676.00 | INR Two Lakh Sixty Two<br>Thousand Six Hundred &                   |
| 30.00 | Suppling and fixing following modular switch / socket on the existing modular plate & switch box including connection but excluding modular plate etc. as required.5/6 A Switch   | 60.00   | each  | 103.00 |           | INR Six Thousand One<br>Hundred & Eighty Only                      |
| 31.00 | 15/16 A switch  | 65.00   | each  | 156.00 |           | INR Ten Thousand One<br>Hundred & Forty Only                       |
| 32.00 | 3 pin 5 / 6 A socket outlet   | 60.00   | each  | 122.00 |           | INR Seven Thousand Three<br>Hundred & Twenty Only                  |
| 33.00 | 6 pin 15 / 16 A socket outlet   | 65.00   | metre | 197.00 |           | INR Twelve Thousand Eight<br>Hundred & Five Only                   |
| 34.00 | Supplying and fixing size / modules, GI box alongwith modular base & cover plate for modular switches in reess etc. as required 6 Module ( 200mm x75mm )  | 60.00   | metre | 402.00 | 24120.00  | INR Twenty Four Thousand<br>One Hundred & Twenty Only              |
| 35.00 | Supplying, laying and fixing of one number PVC insulated and PVC sheathed / XLPE, Aluminium conductor power cable of 1.1 kv, Grade, of the following sizes on surface / recess etc. asrequired. 3.5 x 50 Sq.mm cable on surface                   | 250.00  | metre | 940.00 | 235000.00 | INR Two Lakh Thirty Five<br>Thousand Only                          |
| 36.00 | Supplying amd fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15 / 16 A modular socket outlet and 15 16 A modular switch, connections etc. as required.     | 73.00   | each  | 586.00 | 42778.00  | INR Forty Two Thousand<br>Seven Hundred & Seventy Eight<br>Only    |

| 37.00 | Supplying and fixing of following ways surface / recess mounting,k vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required, (Note: Vertical type MCB TPDB is normallhy used where 3 phase outlets are required.) 8 way (4 + 24), Double door | 5.00    | each  | 10165.00 | 50825.00   | INR Fifty Thousand Eight<br>Hundred & Twenty Five Only                    |
|-------|---|---------|-------|----------|------------|---|
| 38.00 | 12 way ( 4 + 36 ) , Double door   | 5.00    | each  | 12833.00 | 64165.00   | INR Sixty Four Thousand One<br>Hundred & Sixty Five Only                  |
| 39.00 | Supplying and fixing 5 A to 32 A rating,k 240 /415 V, 10 KA, " C " curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc, as required. Single Pole  | 135.00  | each  | 256.00   | 34560.00   | INR Thirty Four Thousand Five<br>Hundred & Sixty Only                     |
| 40.00 | Supplying and fixing following rating, four pole, 415 V, issolator in the existing MCB DB complete with connections, testing and commissioning etc. as required 63A   | 32.00   | metre | 1034.00  | 33088.00   | INR Thirty Three Thousand<br>&Eighty Eight Only                           |
| 41.00 | 100 A   | 6.00    | each  | 1227.00  | 7362.00    | INR Seven Thousand Three<br>Hundred & Sixty Two Only                      |
| 42.00 | Providing and fixing 6 SWG dia G. I. wire on surface or in recess for loop earthing along with eisting surface / recessed conduit / submain wiring / cable as required.   | 302.00  | metre | 42.00    | 12684.00   | INR Twelve Thousand Six<br>Hundred & Eighty Four Only                     |
| 43.00 | Supplying and making end termination with brass comression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV Grade as required 3.5 x 50 sq.mm (35mm)   | 8.00    | each  | 413.00   | 3304.00    | INR Three Thousand Three<br>Hundred & Four Only                           |
| 44.00 | Supply, installation, balancing and commissioning of fabricated at site with neoprence rubber gaskets, elbows, splitter dampers, vanes, GSS sheet metal rectangular / round ducting complete hangers, supports etc. as per CPWD specifications of following sheet thickness complete as required Thickness 0.63 mm sheet  | 676.00  | sqm   | 1080.00  | 730080.00  | INR Seven Lakh Thirty<br>Thousand &Eighty Only                            |
| 45.00 | Thickness 0.80 mm sheet   | 583.00  | sqm   | 1263.00  | 736329.00  | INR Seven Lakh Thirty Six<br>Thousand Three Hundred &<br>Twenty Nine Only |
| 46.00 | Supplying and fixing of following thickness duly laminated aluminum foil of mat finish closed cell Nitrile rubber ( Class " O " ) insulation on existing duct after applying suitable adhesive for Nitrile rubber . The joints shall be sealed with 50mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per spercifications and as required. 25 mm  | 1250.00 | sqm   | 968.00   | 1210000.00 | INR Twelve Lakh Ten<br>Thousand Only                                      |
| 47.00 | Supplying, fixing testing commissioning of supply air diffusers of powder coated aluminium with aluminium volume control dampers with anti smudge ring & removable core. Supply Air Diffuser  | 50.00   | sqm   | 12184.00 | 609200.00  | INR Six Lakh Nine Thousand<br>Two Hundred Only                            |

| 48.00 | Supplying, fixing testing commissioning of supply air diffusers of powder coated aluminium with aluminium volume control dampers with anti smudge ring & removable core. Return Air Diffuser   | 50.00  | sqm              | 8121.00 | 406050.00 | INR Four Lakh Six Thousand<br>&Fifty Only                         |
|-------|--|--------|------------------|---------|-----------|---|
| 49.00 | Providing and fixing of optical smoke detector with base, blinking LED type i/c fixing in existing false ceiling / on ceiling on suitable size box complete as required.   | 52.00  | each             | 1153.00 | 59956.00  | INR Fifty Nine Thousand Nine<br>Hundred & Fifty Six Only          |
| 50.00 | Supplying, installation, testing & commissioning response indicator on surface / recess MS box having two LEDs metallic cover complete with all connections etc, a required, Make:  Agn i / Advent / Edward / Appolo / GST / System Sensor,  | 52.00  | each             | 196.00  | 10192.00  | INR Ten Thousand One<br>Hundred & Ninety Two Only                 |
| 51.00 | Supplying & laying of 2x1.5 sqmm fire alarm armoured cable. 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armourning & FRLS outer sheath complete as required.   | 468.00 | per metre        | 173.00  | 80964.00  | INR Eighty Thousand Nine<br>Hundred & Sixty Four Only             |
| 52.00 | Providing, fixing, testing & commissioning of 15mm dia quartzoid bulb type sprinklers of rating 68 degree centigrade with required accessories:  Upright Sprinkler.  | 182.00 | each             | 522.00  | 95004.00  | INR Ninety Five Thousand<br>&Four Only                            |
| 53.00 | Supplying and fixing of metal flexible hose for sprinklers of size 1.8/2.0 mtrs length which provides a unique sprinklers drop assembly comprised of the following components: stainless steel flexible hose with two slip nuts, Branchline inlet, nipple, Straight sprimklers reducer bracket, bar fixing clamps and support bar etc as required.   | 162.00 | each             | 2103.00 | 340686.00 | INR Three Lakh Forty<br>Thousand Six Hundred & Eighty<br>Six Only |
| 54.00 | Supplying, installation, Testing & Commissioning of Panel light 2 * 2 ., of following body material and construction as per IS: 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, freq 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection, THD < 10%, P. F.20.95, IP20, CRI >80, UGR (Unified Glare Rating) <19, Flicker free, (flicker should be below 5%), life time (LED, Driver & 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 3000K/4000K/5700K/6000K/6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/Embossing/Screen printing on housing. complete in all respect ic connections with 1.5 sq mm FRLS, 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 from NABL lab for 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 aluminum housing such that LED junction temperature shall not rise above 90°C) | 100.00 | nos              | 3990.00 | 399000.00 | INR Three Lakh Ninety Nine Thousand Only                          |
| 55.00 | Providing,laying,testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows,tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp support frame and painting with two or more coats of synthetic enamel apint of required shade complete as required:20 mm  | 350.00 | running<br>metre | 595.00  | 208250.00 | INR Two Lakh Eight Thousand<br>Two Hundred & Fifty Only           |

| 56.00   | 25 mm  | 50.00 | running<br>metre | 744.00 | 37200.00 | INR Thirty Seven Thousand<br>Two Hundred Only  |
|---------|--|-------|------------------|--------|----------|--|
| 7.00    | Supply and fixing of four pole MCB box along with accessories complete as required.  | 16.00 | nos              | 878.00 | 14048.00 | INR Fourteen Thousand<br>&Forty Eight Only   |
| 8.00    | LED Down lighter (SMD Type) (System lumen efficacy ≥ 105 < 120 lm/Watt)  Supplying, installation, Testing & Commissioning of LED Recessed/ surface Down lighter (Round/ square/ Rectangular) SMD type of following body material with PMMA and prismatic diffuser and construction as per IS : 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10%, P. F≥0.95, IP20, CRI >80, UGR (Unified Glare Rating) < 19, Flicker free (flicker should be below 5%), life time (LED,Driver & electrical circuitary), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K / 6000°K / 6500°K (As per ANSI Bin), SDCM (Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be confirming to relevant BIS standards and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing Complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy ≥105 and <120 lm/Watt output . LM79 & LM80 Test report from NABL lab for 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 aluminum housing such that LED junction temperature shall not rise above 90°C) Powder coated die cast /Extruded aluminum Body including trim. | 40.00 | nos              | 853.00 |          | INR Thirty Four Thousand One<br>Hundred & Twenty Only                                  |
| 9.00    | Note: The rates should be quoted inclusive of GST as applicable  |       |                  |        |          |  |
| otal in | Figures  | -     |                  | 1      |          | INR Three Crore Eight Lakh<br>Forty Five Thousand Seven<br>Hundred & Seventy Four Only |
| uoted   | Rate in Figures  |       | Select           |        |          | INR Zero Only  |
| uoted   | Rate in Words  |       |                  | INR Z  | ero Only |  |