

## Explanatory Note

### Electrical work for 100 bedded Running Room with Combined Crew Lobby at Abada(ABB)/SGTY station under Kharagpur division of SE railway

#### Schedule A

Srl No	Detail of work	Description
1	<b>Supply of 20W or higher wattage LED tube light with Batten</b> ( integrated electronic driver).As per CEGE approved Specification for LED tube light-high power,2100 Lumen output,220V, 50Hz AC with constant current driver with short circuit and overload protection etc.	The price is inclusive for Supply of 20W or higher wattage LED tube light with Batten ( integrated electronic driver).As per CEGE approved Specification for LED tube light-high power,2100 Lumen output,220V, 50Hz AC, 6500 K with constant current driver with short circuit and overload protection etc. Light should be as per HQ specification. Make-Philips/Havells/Bajaj/ Crompton/HPL /Goldwyn/Century LED/Eveready/V guard/Any IS approved. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.
2	<b>Fixing and Commisioning of 20W or higher wattage LED tube light with Batten</b>	The price is inclusive for Fixing and Commisioning of 20W or higher wattage LED tube light with Batten. Wiring/Installation to be done as and where required as per direction of consignee.
3	Supply of <b>5watt</b> led reading light (bed light) gooseneck mounting on bed side board silver flexible pipe on/ off switch with 3.0-5.0 watt, gu 10 holder is 16102 part-1, cool day light color, 6500k led lamp, 440 lumens, with driver fitted inside, suitable for 220 volt ac supply. Make- Any IS approved.	The price is inclusive for Supply of 5watt led reading light (bed light) gooseneck mounting on bed side board silver flexible pipe on/ off switch with 3.0-5.0 watt, gu 10 holder is 16102 part-1, cool day light color, 6500k led lamp, 440 lumens, with driver fitted inside, suitable for 220 volt ac supply. Make- Any IS approved. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.
4	Fixing and Commisioning of easy to adjust Decorative LED Bed side Lamp or Wall Light (Warm White) LED 5 Watt.	The price is inclusive for Fixing and Commisioning of easy to adjust Decorative LED Bed side Lamp or Wall Light (Warm White) LED 5 Watt.Wiring/Installation to be done as and where required as per direction of consignee.
5	Supply of Foot Lamp (lovers/opaque) with 4 Module box & cover and suitable LED. Make: Any IS approved.	The price is inclusive for Supply of Foot Lamp (lovers/opaque) with 4 Module box & cover and suitable LED. Make: Any IS approved. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.
6	Fixing and commissioning of Foot Lamp (lovers/opaque) with 4 Module box & cover and suitable LED.	The price is inclusive for Fixing and commissioning of Foot Lamp (lovers/opaque) with 4 Module box & cover and suitable LED. Wiring/Installation to be done as and where required as per direction of consignee
7	Supply of <b>Brushless DC (BLDC) Motor Ceiling Fan, ISI marked, Sweep size: 1400 mm</b> , Minimum Air delivery-210 Cubic Meter/Min, total harmonic distortion- 8% [max], Rated Voltage: 230 V,50HZ Single phase AC, Blade thickness (Min): 1.1mm, Blade material : Aluminium, Bearing: Double ball bearings, Down rod size (without shackle) : 300mm, Shank & Shackle thickness(Min) : 2mm, canopy : 2 nos., colour standard: white, BEE rating : 5 star (as per Ministryof Power Notification Number: S.O. 2210 (E) and S.O. 2211 (E) dated. 12th May 2022 orlatest), Rated power-28 watt [max], Warranty [Min] 30 Months. Conforming to-(i)IS:374/2019 with Amendment No. 1/2022 or latest (ii)IS:302 (Part 2/Sec 80) - For safetyrequirement (iii)IS:14700 (Part 3/Sec2) for THD. Speed control with electronic regulator (step type with minimum 5 running positions) and Regulators shall be provided with radioand television interference suppressing devices as per clause 10.7 of Amendment No. 1/2022 to IS 374/2019 or latest.	The rate is inclusive for Brushless DC (BLDC) Motor Ceiling Fan, ISI marked, Sweep size: 1400 mm, Minimum Air delivery-210 Cubic Meter/Min, total harmonic distortion- 8% [max], Rated Voltage: 230 V,50HZ Single phase AC, Blade thickness (Min): 1.1mm, Blade material : Aluminium, Bearing: Double ball bearings, Down rod size (without shackle) : 300mm, Shank & Shackle thickness(Min) : 2mm, canopy : 2 nos., colour standard: white, BEE rating : 5 star (as per Ministryof Power Notification Number: S.O. 2210 (E) and S.O. 2211 (E) dated. 12th May 2022 or latest), Rated power-28 watt [max], Warranty [Min] 30 Months. Conforming to- (i)IS:374/2019 with Amendment No. 1/2022 or latest (ii)IS:302 (Part 2/Sec 80) - For safetyrequirement (iii)IS:14700 (Part 3/Sec2) for THD. Speed control with electronic regulator(step type with minimum 5 running positions) and Regulators shall be provided with radioand television interference suppressing devices as per clause 10.7 of Amendment No. 1/2022 to IS 374/2019 or latest. . Fan should be as per HQ specification. Make:- Havells/ Bajaj /Usha/ Crompton /Orient/ Khaitan/Atomberg/V guard. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.
8	Fixing and commissioning of Brushless DC (BLDC) Motor Ceiling Fan, ISI marked, Sweep size: 1400 mm, suitable for 230V, 50Hz, AC supply confirming to Class:I of IS: 374/latest. Fixing of the fan shall be done with suitable clamp, hook, nut/bolts etc. and connection with flexible twin twisted multistrand Copper wire and removing of the existing old fan (if any) and handing over of the same to Railway Store with clear acknowledgement, as per site requirement.	The rate is inclusive for Fixing and commissioning of Brushless DC (BLDC) Motor Ceiling Fan with remote/regulator as per requirement, ISI marked, Sweep size: 1400 mm, suitable for 230V, 50Hz, AC supply confirming to Class:I of IS: 374/latest. Fixing of the fan shall be done with suitable clamp, hook, nut/bolts etc. and connection with flexible twin twisted multistrand Copper wire and removing of the existing old fan (if any) and handing over of the same to Railway Store with clear acknowledgement, as per site requirement.. Wiring/Installation to be done as and where required as per direction of consignee.
9	Supply of Wall Mounted Fan with Brushless DC (BLDC) Motor, sweep size 400 mm with feature ofOscillaton & Vertcal Adjustable Tilt Mechanismn Minimum Air Delivery 65 cubic meter/min,Rated Voltage: 230 V, 50Hz, Single phase AC, Motor Winding Material: Copper, No. ofBlades-3, Provided with Pull cord or string based speed control mechanism with minimum 3 speed stepsn Colour: White, Minimum Service Value 1.43 as per BEE 5 star rating (BEE's Schedule- 32, Table & Wall-Mounted Fan), Conforming to IS 555:1979 (Reaffirmed Year: 2020) with all amendments.	The rate is inclusive for Supply of Wall Mounted Fan with Brushless DC (BLDC) Motor, sweep size 400 mm with feature of Oscillaton & Vertcal Adjustable Tilt Mechanismn Minimum Air Delivery 65 cubic meter/min,Rated Voltage: 230 V, 50Hz, Single phase AC, Motor Winding Material: Copper, No. ofBlades-3, Provided with Pull cord or string based speed control mechanism with minimum 3 speed stepsn Colour: White, Minimum Service Value 1.43 as per BEE 5 star rating (BEE's Schedule- 32, Table & Wall-Mounted Fan), Conforming to IS 555:1979 (Reaffirmed Year: 2020) with all amendments. Make:- Havells/ Bajaj /Usha/ Crompton /Orient/ Khaitan/Atomberg/V guard. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.

10	Fixing and Commissioning of Wall Mounted Fan WITH 5 STAR and above RATING <b>400 mm size</b> , suitable for 230V, 50Hz, AC supply as per site requirement.	The rate is inclusive for Fixing and Commissioning of Wall Mounted Fan WITH 5 STAR and above RATING 400 mm size , suitable for 230V, 50Hz, AC supply as per site requirement. Wiring/Installation/Fixing to be done as and where required as per direction of consignee.
11	<b>Supply of Heavy duty Exhaust Fans 300 mm</b> , 1400 RPM suitable for 230V, 50Hz, AC supply, Conformity to Indian Standrad IS: 2312 (latest).accessories such as Frame, Legs Set,Rubber Clamps & Other Hardware - inclusive in the scope of supply.	The rate is inclusive for Supply of heavy duty Exhaust Fans 300 mm , 1400 RPM suitable for 230V, 50Hz, AC supply, Conformity to Indian Standrad IS: 2312 (latest).accessories such as Frame, Legs Set,Rubber Clamps & Other Hardware - inclusive in the scope of supply. Make-Havells/ Bajaj /Usha/ Crompton /Orient/Khaitan/Any Is Approved.. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.
12	Fixing and commissioning of Heavy Duty Exhaust Fans as per consignee requirement.	The rate is inclusive for Fixing and commissioning Exhaust Fans as per consignee requirement.Wiring/Installation to be done as and where required as per direction of consignee.
13	Supply , installation and commissioning of 1.5 TON INVERTER SPLIT AC, 5 STAR WITH ECO FRIENDLY REFRIGERANT , TYPE:-HIGH WALL SPLIT AC , Details specification-BEE StarRating - 5, Type of Air conditioner - High wall split AC, Technology of AC - Inverter (Variable Speed), Nominal cooling capacity in Ton/(kcal/hr)- 1.5 Ton/4500 kcal/hr, Coil Material- Copper, Eco-friendly refrigerant, Minimum length of copper pipe and suitable connecting electrical cable for Installation and commissioning 5 meter, warranty on Machine 1 year, Warranty on Compressor- 10 Or higher including supply with Installation and Commissioning.	The rate is inclusive for Supply , installation and commissioning of 1.5 TON INVERTER SPLIT AC, 5 STAR WITH ECO FRIENDLY REFRIGERANT , TYPE:-HIGH WALL SPLIT AC , Details specification-BEE StarRating - 5, Type of Air conditioner - High wall split AC, Technology of AC - Inverter (Variable Speed), Nominal cooling capacity in Ton/(kcal/hr)- 1.5 Ton/4500 kcal/hr, Coil Material- Copper, Eco-friendly refrigerant, Minimum length of copper pipe and suitable connecting electrical cable for Installation and commissioning 5 meter, warranty on Machine 1 year, Warranty on Compressor- 10 Or higher including supply with Installation and Commissioning. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply. Wiring/Installation to be done as and where required as per direction of consignee. Make: Mitsubishi, LG, O-General, Daikin, Panasonic, Bluestar, Samsung, Hitachi.
14	Supply of suitable copper pipe for connecting of delivery to 1.5 TR split AC with insulation.	The rate is inclusive for Supply of suitable copper pipe for connecting of delivery to 1.5 TR split AC with insulation. Pipe size should be as per requirement as directed by consignee. Price also includes insulator, tape, and all required accessories to insulate the pipe.
15	Supply of MCB DP 25 AMP Starter and socket plug with indicator similar toHavells model no AHCSMXW251	The rate is inclusive for Supply of MCB DP 25 AMP Starter and socket plug with indicator. Make: Havells, Anchor, Legrand, C&S, L&T, Hager, Any IS approved.. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.
16	Fixing and commissioning of MCB DP 25 AMP Starter and socket plug with indicator.	The rate is inclusive for MCB DP 25 AMP Starter and socket plug with indicator. Wiring/Installation to be done as and where required as per direction of consignee.
17	<b>Concealed Wiring of light and fan point by 1.5 sq. mm, Single Core, Multistrand (22/0.3mm), Copper Conductor (flexible), Unsheathed, Flame Retardant Low Smoke and Halogen(FR-LSH), PVC insulated Cable of 1100V grade, Type-C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked.</b> Earthing the point with 1.5 sq. mm, Single Core, Multistrand (22/0.3mm), Copper Conductor (flexible), Unsheathed, FR-LSH, PVC insulated Cable of 1100V grade, Type-C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked,through PVC Conduit Pipe of Nominal Size 20mm/25mm(as per site requirement) and in the length of 3 mtrs, Socket ended (at one end ), medium mechanical stress, White Color, Resistant to Flame Propagation to grade UL-94 V0, Conforming to IS 9537 (Part 3) 1983 (Reaffirmed Year : 2017) with amendment no. 2 or latest with ISI mark. Modular Electrical Switch, 6 A, 230 V, SP, 1 Way, 1 Module, Unenclosed type as per Clause no.7.1.3, Method of Activation of switch shall be of Rocker type as per Clause no. 7.1.5, Switch shall be Flush type as per Clause no.7.1.6 and shall be installed as per Design A mentioned in the Clause no.7.1.7, Current carrying material as per Clause no. 22.5, with cover made of tough non-ignitable insulating material and bare of tough non-ignitable insulating material or of vitrified ceramic material, Conforming to IS:3854/1997 (reaffirmed 2017) with latest amendments and ISI mark. including supply of all required materials like lamp holder,Aluminium, batten type, with shade carrier ring,ISI marked, Base: B-22 suitable for use at 250V, Conforming to IS: 1258(Rev.-3)-2005)with amdt-3. With BACK plate of 53 MM. Dia & 45 MM PCD..., ceiling rose, Modular type Socket outlet suitable for 3 pin plug, 6A, 230V, 2 Module, Shuttered (Operation of Shutter should be independant of Earthing Point), Cover made of tough Non-Ignitable insulating material, material of base -vitrified ceramic, Conforming to IS : 1293-2019, Amendment no. 1 or latest with ISI mark ,suitable moduler stainless steel JB box with moduler PVC cover , stainless steel switch Board with moduler PVC cover,PVC Spacers, PVC Saddles,PVC Bends, PVC Tees to be provided as and where required as per direction of consignee,. Provision of moduler fan regulator should be kept on switch board . The plate should include 2 blank space for further installation of switches.including stainless steel fastener, Pin Type Terminal End Lugs as per specification attached. All materilas would be as per latest specification as issued from HQ/GRC time to time if available or latest IS and IE rules which is available.Covers or cover parts or parts of them, which are intended to ensure protection against electric shock, shall be held in place at two or more points by effective fixings..The cost includes supply of all materials to complete job. ( Two 5-ampere socket point treated as one point).	Concealed Wiring of light and fan point by 1.5 sq. mm, Single Core, Multistrand (22/0.3mm), Copper Conductor (flexible), Unsheathed, Flame Retardant Low Smoke and Halogen(FR-LSH), PVC insulated Cable of 1100V grade, Type-C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked. Earthing the point with 1.5 sq. mm, Single Core, Multistrand (22/0.3mm), Copper Conductor (flexible), Unsheathed, FR-LSH, PVC insulated Cable of 1100V grade, Type-C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked,through PVC Conduit Pipe of Nominal Size 20mm/25mm(as per site requirement) and in the length of 3 mtrs, Socket ended (at one end ), medium mechanical stress, White Color, Resistant to Flame Propagation to grade UL-94 V0, Conforming to IS 9537 (Part 3) 1983 (Reaffirmed Year : 2017) with amendment no. 2 or latest with ISI mark. Modular Electrical Switch, 6 A, 230 V, SP, 1 Way, 1 Module, Unenclosed type as per Clause no.7.1.3, Method of Activation of switch shall be of Rocker type as per Clause no. 7.1.5, Switch shall be Flush type as per Clause no.7.1.6 and shall be installed as per Design A mentioned in the Clause no.7.1.7, Current carrying material as per Clause no. 22.5, with cover made of tough non-ignitable insulating material and bare of tough non-ignitable insulating material or of vitrified ceramic material, Conforming to IS:3854/1997 (reaffirmed 2017) with latest amendments and ISI mark. including supply of all required materials like lamp holder,Aluminium, batten type, with shade carrier ring,ISI marked, Base: B-22 suitable for use at 250V, Conforming to IS: 1258(Rev.-3)-2005)with amdt-3. With BACK plate of 53 MM. Dia & 45 MM PCD..., ceiling rose, Modular type Socket outlet suitable for 3 pin plug, 6A, 230V, 2 Module, Shuttered (Operation of Shutter should be independant of Earthing Point), Cover made of tough Non-Ignitable insulating material, material of base -vitrified ceramic, Conforming to IS : 1293-2019, Amendment no. 1 or latest with ISI mark ,suitable moduler stainless steel JB box with moduler PVC cover , stainless steel switch Board with moduler PVC cover,PVC Spacers, PVC Saddles,PVC Bends, PVC Tees to be provided as and where required as per direction of consignee,. Provision of moduler fan regulator should be kept on switch board . The plate should include 2 blank space for further installation of switches.including stainless steel fastener, Pin Type Terminal End Lugs as per specification attached. All materilas would be as per latest specification as issued from HQ/GRC time to time if available or latest IS and IE rules which is available.Covers or cover parts or parts of them, which are intended to ensure protection against electric shock, shall be held in place at two or more points by effective fixings..The cost includes supply of all materials to complete job. ( Two 5-ampere socket point treated as one point). *Note: Colour code is to be maintained (i.e. for Phase-red, for Neutral-black and for Earth- green). *Make of Switch/Sockets/Plate/Box, Cable & PVC Conduit Pipe: Any IS make as approved by Sr.DEE(G)/SRC or authorized representative.

18	<p><b>Concealed Sub circuit wiring by 2.5 sq. mm, Single Core, Multistrand (36/0.3mm), Copper Conductor(flexible), Unsheathed, Flame Retardant Low Smoke and Halogen (FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS: 694-2010(reaffirmed 2020), ISI marked.</b> with 2.5Sq mm earthing wire of Single Core, Multistrand (36/0.3mm), Copper Conductor(flexible), Unsheathed, Flame Retardant Low Smoke and Halogen (FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS: 694-2010(reaffirmed 2020), ISI marked. through PVC Conduit Pipe of Nominal Size 25mm and in the length of 3 mtrs, Socket ended (at one end ), medium mechanical stress, White Color, Resistant to Flame Propagation to grade UL-94 V0, Conforming to IS 9537 (Part 3) 1983 (Reaffirmed Year : 2017) with amendment no. 2 or latest with ISI mark with Supply &amp; fixing of PVC Circular Box and Ceiling rose if required with connection from running circuit as per direction of Consignee. including stainless steel fastener, Pin Type Terminal End Lugs as per specification attached. All materilas would be as per latest specification as issued from HQ/GRC time to time if available or latest IS and IE rules which is available.The cost includes supply of all materials to complete the job.</p> <p>*Quantity per meter means-one meter conduit with 2 (two) meters Cu. cable of size 2.5 sq mm for phase &amp; neutal and 1mtr of 2.5 Sq.mm PVC Cu. cable as earthing with Supply of PVC Circular Box and Ceiling rose as per direction of Consignee.</p>	<p>Concealed Sub circuit wiring by 2.5 sq. mm, Single Core, Multistrand (36/0.3mm), Copper Conductor(flexible), Unsheathed, Flame Retardant Low Smoke and Halogen (FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS: 694-2010(reaffirmed 2020), ISI marked. with 2.5Sq mm earthing wire of Single Core, Multistrand (36/0.3mm), Copper Conductor(flexible), Unsheathed, Flame Retardant Low Smoke and Halogen (FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS: 694-2010(reaffirmed 2020), ISI marked. through PVC Conduit Pipe of Nominal Size 25mm and in the length of 3 mtrs, Socket ended (at one end ), medium mechanical stress, White Color, Resistant to Flame Propagation to grade UL-94 V0, Conforming to IS 9537 (Part 3) 1983 (Reaffirmed Year : 2017) with amendment no. 2 or latest with ISI mark with Supply &amp; fixing of PVC Circular Box and Ceiling rose if required with connection from running circuit as per direction of Consignee. including stainless steel fastener, Pin Type Terminal End Lugs as per specification attached. All materilas would be as per latest specification as issued from HQ/GRC time to time if available or latest IS and IE rules which is available.The cost includes supply of all materials to complete the job.</p> <p>*Quantity per meter means-one meter conduit with 2 (two) meters Cu. cable of size 2.5 sq mm for phase &amp; neutal and 1mtr of 2.5 Sq.mm PVC Cu. cable as earthing with Supply of PVC Circular Box and Ceiling rose as per direction of Consignee.</p>
19	<p><b>Concealed Sub circuit wiring by 4 sq. mm, Single Core, Multistrand (56/0.3mm), Copper Conductor (flexible), Unsheathed, Flame Retardant Low Smoke and Halogen(FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked</b> with 4 Sq mm earthing wire of Single Core, Multistrand (56/0.3mm), Copper Conductor (flexible), Unsheathed, Flame Retardant Low Smoke and Halogen(FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked through PVC Conduit Pipe of Nominal Size 25mm and in the length of 3 mtrs, Socket ended (at one end ), medium mechanical stress, White Color, Resistant to Flame Propagation to grade UL-94 V0, Conforming to IS 9537 (Part 3) 1983 (Reaffirmed Year : 2017) with amendment no. 2 or latest with ISI mark including stainless steel fastener, Pin Type Terminal End Lugs as per specification attached. All materilas would be as per latest specification as issued from HQ/GRC time to time if available or latest IS and IE rules which is available.The cost includes supply of all materials to complete the job.</p> <p>*Quantity per meter means-one meter conduit with 2 (two) meters Cu. cable of size 4 sq mm for phase &amp; neutal and 1mtr of 4 Sq.mm PVC Cu. cable as earthing.</p>	<p>Concealed Sub circuit wiring by 4 sq. mm, Single Core, Multistrand (56/0.3mm), Copper Conductor (flexible), Unsheathed, Flame Retardant Low Smoke and Halogen(FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked with 4 Sq mm earthing wire of Single Core, Multistrand (56/0.3mm), Copper Conductor (flexible), Unsheathed, Flame Retardant Low Smoke and Halogen(FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked through PVC Conduit Pipe of Nominal Size 25mm and in the length of 3 mtrs, Socket ended (at one end ), medium mechanical stress, White Color, Resistant to Flame Propagation to grade UL-94 V0, Conforming to IS 9537 (Part 3) 1983 (Reaffirmed Year : 2017) with amendment no. 2 or latest with ISI mark including stainless steel fastener, Pin Type Terminal End Lugs as per specification attached. All materilas would be as per latest specification as issued from HQ/GRC time to time if available or latest IS and IE rules which is available.The cost includes supply of all materials to complete the job.</p> <p>*Quantity per meter means-one meter conduit with 2 (two) meters Cu. cable of size 4 sq mm for phase &amp; neutal and 1mtr of 4 Sq.mm PVC Cu. cable as earthing with Supply of PVC Circular Box and Ceiling rose as per direction of Consignee.</p>
20	<p><b>Concealed Sub circuit wiring by 6 sq. mm, Single Core, Multistrand (56/0.3mm), Copper Conductor (flexible), Unsheathed, Flame Retardant Low Smoke and Halogen(FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked</b> with 4 Sq mm earthing wire of Single Core, Multistrand (56/0.3mm), Copper Conductor (flexible), Unsheathed, Flame Retardant Low Smoke and Halogen(FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked through PVC Conduit Pipe of Nominal Size 25mm and in the length of 3 mtrs, Socket ended (at one end ), medium mechanical stress, White Color, Resistant to Flame Propagation to grade UL-94 V0, Conforming to IS 9537 (Part 3) 1983 (Reaffirmed Year : 2017) with amendment no. 2 or latest with ISI mark including stainless steel fastener, Pin Type Terminal End Lugs as per specification attached. All materilas would be as per latest specification as issued from HQ/GRC time to time if available or latest IS and IE rules which is available.The cost includes supply of all materials to complete the job.</p> <p>*Quantity per meter means-one meter conduit with 2 (two) meters Cu. cable of size 4 sq mm for phase &amp; neutal and 1mtr of 4 Sq.mm PVC Cu. cable as earthing.</p>	<p>Concealed Sub circuit wiring by 6 sq. mm, Single Core, Multistrand (84/0.3mm), Copper Conductor (flexible), Unsheathed, , Flame Retardant Low Smoke and Halogen(FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked with 6 Sq mm earthing wire of Single Core, Multistrand (84/0.3mm), Copper Conductor (flexible), Unsheathed, , Flame Retardant Low Smoke and Halogen(FR-LSH), PVC insulated Cable of 1100V grade, Type C PVC Compound as per IS 5831, Conforming to IS :694 - 2010 (Reaffirmed 2020), ISI marked through PVC Conduit Pipe of Nominal Size 25mm and in the length of 3 mtrs, Socket ended (at one end ), medium mechanical stress, White Color, Resistant to Flame Propagation to grade UL-94 V0, Conforming to IS 9537 (Part 3) 1983 (Reaffirmed Year : 2017) with amendment no. 2 or latest with ISI mark including stainless steel fastener, Pin Type Terminal End Lugs as per specification attached. All materilas would be as per latest specification as issued from HQ/GRC time to time if available or latest IS and IE rules which is available.The cost includes supply of all materials to complete the job.</p> <p>*Quantity per meter means-one meter conduit with 2 (two) meters Cu. cable of size 6 sq mm for phase &amp; neutal and 1mtr of 6 Sq.mm PVC Cu. cable as earthing with Supply of PVC Circular Box and Ceiling rose as per direction of Consignee.</p>
21	<p><b>Supply of 3 modular plate and metal/pvc box with 6A/16A twin socket Shutter type</b> and 16 or 20A switch. All item will be modular type and separate (as per PCEE specification no.CEE/P/56/301 /MAINTENANCE, Dtd. 17/11/2022.)</p>	<p>The rate is inclusive for Supply of 3 modular plate and metal or suitable box with 6A/16A twin socket Shutter type and 16 or 20A switch. All item will be modular type and separate (as per PCEE specification no.CEE/P/56/301/ MAINTENANCE, Dtd. 17/11/2022.)Make:Goldmedal/Havells/Polycab/HPL/ GM Modular/Orpat Electricals. or any ISI approved. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.</p>
22	<p><b>Fixing and commissioning of 3 modular plate and metal/pvc box with 6A/16A twin socket Shutter type</b> and 16 or 20A switch. All item will be modular type and seperate. (Wiring will be covered under Shedule item No.18 as per site requirement).</p>	<p>The rate is inclusive for Fixing and commissioning of 3 modular plate and metal or suitable box with 6A/16A twin socket Shutter type and 16 or 20A switch. All item will be modular type and seperate. (Wiring will be covered as per site requirement). Wiring/Installation to be done as and where required as per direction of consignee.</p>

23	<p><b>Supply of modular PC Board consisting of 03 nos. switches with inbuilt LED indication, 03 nos. sockets and modular SP MCB 10A, 10kA, Type B- 01 No. with Stainless Steel 12M Box and all other accessories to complete job for concealed wiring.</b></p> <p>Specs: <b>Modular Electrical Switch</b>, 6 A, 230 V, SP, 1 Way, 1 Module, Unenclosed type as per Clause no.7.1.3, Method of Activation of switch shall be of Rocker type as per Clause no. 7.1.5, Switch shall be Flush type as per Clause no.7.1.6 and shall be installed as per Design A mentioned in the Clause no.7.1.7, Current carrying material as per Clause no. 22.5, with cover made of tough non-ignitable insulating material and bare of tough non-ignitable insulating material or of vitrified ceramic material, Conforming to IS:3854/1997 (reaffirmed 2017) with latest amendments and ISI mark and <b>Modular type Socket outlet suitable for 3 pin plug</b>, 6A, 230V, 2 Module, Shuttered (Operation of Shutter should be independant of Earthing Point), Cover made of tough Non-Ignitable insulating material, material of base -vitrified ceramic, Conforming to IS : 1293-2019, Amendment no. 1 or latest with ISI mark. with modular <b>SP MCB 10A, 10kA, Type B- 01 No.</b> ISI marked, rated voltage: 240V AC, conforming to IS/IEC 60898-1:2015 (Reaffirmed Year:2024) or latest, with rated short circuit current capacity 10KA, fixed unadjustable time current characteristics suitable for use in protection of industrial, commercial and domestic electrical installations. <b>along with 12M stainless steel Box, moduler cover plate and Stainless Steel boxes and all other accessories including stainless steel fastener, Pin Type Terminal End Lugs to complete job</b> as per specification attached or with latest amendment or specification issued from HQ/GRC if any time to time.</p>	<p>The rate is inclusive for Supply of modular PC Board consisting of 03 nos. switches with inbuilt LED indication, 03 nos. sockets and modular SP MCB 10A, 10kA, Type B- 01 No. with Stainless Steel 12M Box and all other accessories to complete job for concealed wiring. Specs: Modular Electrical Switch, 6 A, 230 V, SP, 1 Way, 1 Module, Unenclosed type as per Clause no.7.1.3, Method of Activation of switch shall be of Rocker type as per Clause no. 7.1.5, Switch shall be Flush type as per Clause no.7.1.6 and shall be installed as per Design A mentioned in the Clause no.7.1.7, Current carrying material as per Clause no. 22.5, with cover made of tough non-ignitable insulating material and bare of tough non-ignitable insulating material or of vitrified ceramic material, Conforming to IS:3854/1997 (reaffirmed 2017) with latest amendments and ISI mark and Modular type Socket outlet suitable for 3 pin plug, 6A, 230V, 2 Module, Shuttered (Operation of Shutter should be independant of Earthing Point), Cover made of tough Non-Ignitable insulating material, material of base -vitrified ceramic, Conforming to IS : 1293-2019, Amendment no. 1 or latest with ISI mark. with modular SP MCB 10A, 10kA, Type B- 01 No. ISI marked, rated voltage: 240V AC, conforming to IS/IEC 60898-1:2015 (Reaffirmed Year:2024) or latest, with rated short circuit current capacity 10KA, fixed unadjustable time current characteristics suitable for use in protection of industrial, commercial and domestic electrical installations. along with 12M stainless steel Box, moduler cover plate and Stainless Steel boxes and all other accessories including stainless steel fastener, Pin Type Terminal End Lugs to complete job as per specification attached or with latest amendment or specification issued from HQ/GRC if any time to time. Make: Goldmedal/Havells/Polycab/GM Modular/Orpat Electricals/ Anchor/ Pressfit/IS standard Indian make .</p> <p>Make: Make: Goldmedal/Havells/Polycab/GM Modular/Orpat Any IS approved. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.</p>
24	<p><b>Fixing and commissioning of modular PC Board consisting of 03 nos. switches with inbuilt LED indication, 03 nos. sockets and modular SP MCB 10A, 10kA, Type B- 01 No. with Stainless Steel 12M Box, moduler cover plate duly Concealed in wall surface</b> including all other accessories to complete job with latest amendment or specification issued from HQ/GRC if any time to time, including stainless steel fastener, Pin Type Terminal End Lugs as per specification attached. (Wiring will be covered under Shedule item No. as per site requirement).</p>	<p>The rate is inclusive for Fixing and commissioning modular PC Board(Fixing and commissioning of modular PC Board consisting of 03 nos. switches with inbuilt LED indication, 03 nos. sockets and modular SP MCB 10A, 10kA, Type B- 01 No. with Stainless Steel 12M Box, moduler cover plate duly Concealed in wall surface including all other accessories to complete job with latest amendment or specification issued from HQ/GRC if any time to time, including stainless steel fastener, Pin Type Terminal End Lugs as per specification attached. Wiring/Installation to be done as and where required as per direction of consignee.</p>
25	<p><b>Supply of DP 32 Amps, 10kA MCB</b> with sheet steel powder painted enclosure.</p>	<p>The rate is inclusive for Supply of Supply of DP 32 Amps, 10kA MCB with sheet steel powder painted enclosure. Make of MCB: L&amp;T/Havells/Hager/C&amp;S/ Honeywell/ Indoasian/ABB/BCH/V guard. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.</p>
26	<p>Fixing and commissioning DP 32 Amps, 10kA MCB with sheet steel powder painted enclosure with cable and necessary item as per site requirement to complete job.</p>	<p>The rate is inclusive for Fixing and commissioning DP 32 Amps, 10kA MCB with sheet steel powder painted enclosure with cable and necessary item as per site requirement to complete job.Wiring/Installation to be done as and where required as per direction of consignee.</p>
27	<p>Supply of SP&amp;N 12-way DB (SD) Thermoplastic Circuit breaker boxes IP 65 (with metric knockouts for cable entry)consisting with DP 32A 10kA MCB-1 no as incoming and SP 20 A,10kA MCB - 4 nos, SP 16 A,10kA MCB - 4 nos, as outgoing with Neutral links and Earth bar etc., Make: Any IS approved.</p>	<p>The rate is inclusive for Supply of SP&amp;N 12-way DB (SD) Thermoplastic Circuit breaker boxes IP 65 (with metric knockouts for cable entry)consisting with DP 32A 10kA MCB-1 no as incoming and SP 20 A,10kA MCB - 4 nos, SP 16 A,10kA MCB - 4 nos, as outgoing with Neutral links and Earth bar etc., Make: L&amp;T/Havells/HPL/INDO ASIAN/C&amp;S/ABB /Hager/Legrand/BCH or equivalent item of IS standard . Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.</p>
28	<p>Fixing and Commisioning of SP&amp;N 12-way DB (SD) Thermoplastic Circuit breaker boxes IP 65 (with metric knockouts for cable entry)consisting with DP 32A 10kA MCB-1 no as incoming and SP 20 A,10kA MCB - 4 nos, SP 16 A,10kA MCB - 4 nos, as outgoing with Neutral links and Earth bar etc.,</p>	<p>The rate is inclusive for Fixing and Commisioning of SP&amp;N 12-way DB (SD) Thermoplastic Circuit breaker boxes IP 65 (with metric knockouts for cable entry)consisting with DP 32A 10kA MCB-1 no as incoming and SP 20 A,10kA MCB - 4 nos, SP 16 A,10kA MCB - 4 nos, as outgoing with Neutral links and Earth bar etc., Erection, Fixing and commissioning to be done as and where required as per direction of consignee.</p>
29	<p>Supply of VTP&amp;N 4-way DB (Mettalic Door) with FP 100A,35KA MCCB -01no as incoming and FP 63A,25KA MCCB -01no,40Amps,10kA DP MCB-01no,16Amps,10kA DP MCB-01no as outgoing with Cu.bus-bar, Neutral links and Earth bar etc.,with proper wiring to complete job. Make:IS approved.</p>	<p>The rate is inclusive for Supply of VTP&amp;N 4-way DB (Mettalic Door) with FP 100A,35KA MCCB -01no as incoming and FP 63A,25KA MCCB -01no,40Amps,10kA DP MCB-01no,16Amps,10kA DP MCB-01no as outgoing with Cu.bus-bar, Neutral links and Earth bar etc.,with proper wiring to complete job.,(ALL MCB will be C series.Thickness of material (in mm) 1.6 mm (MSsheet) Make: Make: L&amp;T/Havells/HPL/INDO ASIAN/C&amp;S/ABB/Hager/Legrand/BCH/V guard or equivalent item of IS standard . Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.</p>
30	<p>Fixing and Commisioning VTP&amp;N 4-way DB (Mettalic Door) with FP 100A,35KA MCCB - 01no as incoming and FP 63A,25KA MCCB -01no,40Amps,10kA DP MCB- 01no,16Amps,10kA DP MCB-01no as outgoing with Cu.bus-bar, Neutral links and Earth bar etc.,with proper wiring and accessories to complete job as per site requirement.</p>	<p>The rate is Fixing and Commisioning of Supply of VTP&amp;N 4-way DB (Mettalic Door) with FP 100A,35KA MCCB -01no as incoming and FP 63A,25KA MCCB -01no,40Amps,10kA DP MCB-01no,16Amps,10kA DP MCB-01no as outgoing with Cu.bus-bar, Neutral links and Earth bar etc. with complete wiring and accessories to complete job.Erection, Fixing and commissioning to be done as and where required as per direction of consignee.</p>

31	Supply , testing of LT Panel consist of <b>1 No. 125 Amp 36 kA FP MCCB as a incoming, 02 Nos 63 AmpFP MCCB as a outgoing and 32 A DP MCB -07 Nos</b> as a outgoing with cable termination, following attached PCEE/GRC's Specification	The rate is inclusive for Outdoor LT Panel consistingof 1 No. 125 Amp 36 kA FP MCCB as a incoming, 02 Nos 63 AmpFP MCCB as a outgoing and 32 A DP MCB -07 Nos.asoutgoing with Voltmeter, Ammeter,LED indicator lamp, Cu. Bus Bar ,neutral link, earth bar, spreader link,Lock and key feature arrangementetc. with suitable sheet steel enclosure to complete the job with proper connection. Make MCCB/MCB: L&T/Havells/HPL/INDO ASIAN/C&S/ABB/Hager/Legrand/BCH/V guard or equivalent item of IS standard. SS enclosure: Any IS approved Indian make. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.
32	Fixing and Commissioning of LT Panel with all MCB ,MCCB,Voltmeter, Ammeter, LED indicatorlamp, Cu. Bus Bar , neutral link, earthbar, spreader link, Lock and keyfeature arrangement etc.	The rate is inclusive for Erection, Fixing and commissioning of LT Panel with all MCB ,MCCB,Voltmeter, Ammeter, LED indicatorlamp, Cu. Bus Bar , neutral link, earthbar, spreader link, Lock and keyfeature arrangement etc.. with suitablesteel sheet enclosure to complete thejob with proper connection and foundation. Erection, Fixing and commissioning to be done as and where required as per direction of consignee.
33	Supply of POLYCARBONATE make fire retardent Cable loop box ( of fibre body), IP 66 Fixing shall be made with necessary arrangements as per site requirement, cables are to be terminated with proper socketing arrangement to complete job. Make: Any IS approved.	The rate is inclusive for Supply of POLYCARBONATE make fire retardent Cable loop box ( of fibre body), IP 66 Fixing shall be made with necessary arrangements as per site requirement, cables are to be terminated with proper socketing arrangement to complete job .Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply. Make: Any IS approved.
34	Fixing and commissioning of POLYCARBONATE make fire retardent Cable loop box ( of fibre body), IP 66 Fixing shall be made with necessary arrangements as per site requirement, cables are to be terminated with proper socketing arrangement to complete job.	The rate is inclusive for Fixing and commissioning of POLYCARBONATE make fire retardent Cable loop box ( of fibre body), IP 66 Fixing shall be made with necessary arrangements as per site requirement, cables are to be terminated with proper socketing arrangement to complete job. Fixing and commissioning to be done as and where required as per direction of consignee.
35	Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size <b>4 Core x 95 Sqmm</b> for working voltage upto & including 1100 Volts conforming to as per Letter no. CEE/S/185/519/Genl.,Dtd. 02/03/2022 of office of the PCEE/HQ/GRC.	The rate is inclusive of Supply of L.T. Aluminium Armoured and PVC sheathed XLPE stranded cable of size 4 Core x 95 Sqmm for working voltage upto & including 1100 Volts conforming to as per Letter no. CEE/S/185/519/Genl.,Dtd. 02/03/2022 of office of the PCEE/HQ/GRC. The supplied cable should be as per attached HQ specification. Make: Finolex /KEI/Havells/polycab/Gloster/Meshcab. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.
36	<b>Laying of cable/ cables in under ground along the road through cable trench</b> etc . as per standard drawing including necessary termination , connection and testing.Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 mtr wide and 1 mtr deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, leveling up, and restoring the surface duly rammed.	The price shall cover Laying of Cable/cables along the ground to be made according to drawing No. KGP/EL (G)/V (enclosed). Trenching and laying of U/G cables in any kind of soil trench of size minimum 0.40 Mtr. wide and 1 Mtr. deep covered with necessary bricks for protection of the cables including filling of space between brick and cable/cables with sand and refilling the trench with excavated soil, levelling up, and restoring the surface duly rammed. Coil of cable/cables to be made and grounded at both end of trench /at bend of trench/way of trench (if required) as per instruction of consignee. The cost also includes Termination, connection, Testing and commissioning of Cable/cables and collection of cable/cables from Railway Store.Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.Work to be done as and where required as per direction of consignee.
37	<b>Laying of cable/ cables across the road, track, drain</b> etc through RCC/GI pipe confirming to IS standard of size 100mm or 150mm (or any suitable size as per field requirement based on the actual size of the cable) as per relevant specification and as per standard drawing with necessary termination, connections and testing .Cost also includes collection of cable/cables from Railway store if required.GI pipe will be supplied by contractor.	The price shall cover laying of cables and to be mechanically protected by RCC / GI pipe of size 75mm /100 mm/150 mm confirming to IS standard required RCC / GI pipe / HDPE pipe or pipes to be supplied by contractor. The cost also includes Termination, connection, Testing and commissioning of Cable/cables. Cost also includes collection of cable/cables from Railway store. Item to be erected as per Supervisor-in- charge instruction. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.Work to be done as and where required as per direction of consignee.
38	<b>Laying of cable/ cables on wall / structure</b> through PVC casing pipe of size 4inches or 3inches with accessories or as per site requirement with suitable clamp / saddle/ fixtures etc with necessary termination, connection and testing as per standard drawing.Cost also includes collection of cable/cables from Railway store if required.	The rate is inclusive for Laying of cable/ cables on wall / structure through PVC casing pipe of size 4inches or 3inches with accessories or as per site requirement with suitable clamp / saddle/ fixtures etc with necessary termination, connection and testing as per standard drawing. Cost also includes collection of cable/cables from Railway store if required. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply. Work to be done as and where required as per direction of consignee.
39	Supply of On Load Changeover Switch With SS Enclosure , Current Rating 400 AMP.	The rate is inclusive for supply of 4 POLE ON LOAD CHANGEOVER SWITCH WITH SS ENCLOSURE , CURRENT RATING 400 AMP.Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply. Make: Any IS approved.
40	Fixing and commissioning of 4 Pole On Load Changeover Switch With SS Enclosure .	The rate is inclusive for Fixing and commissioning of 4 POLE ON LOAD CHANGEOVER SWITCH WITH SS ENCLOSURE , Fixing and commissioning to be done as and where required as per direction of consignee.
41	Supply of <b>Earthing arrangement</b> with supply of Hot Dip Galvanized (HDG) earth cone and all other requisite materials as per CEE/GRC's Drg. No.CEE/G/A3/P-150, Alt.1 including sump box with salt and charcoal, metallic cover etc. as per site supervisor's instruction. Cost includes supply of all materials mentioned in the Drawing including 02 mtrs 25x5mm GI strip for connection from earth electro pipe to light pole /Rail pole etc. Make: Any IS standard Indian make.	The price shall cover supply & commissioning of earthing arrangement as per CEE/GRC's drawing mentioned in the schedule. Cost also includes supply and connection of 2 X 8 SWG Cu. wires between earth pole and main switch/DB/Rail pole etc. as per site supervisor's instruction. Cost also includes earth clamp of size 50X6mm GI and testing of earth resistance jointly with Railway representative. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply. Make of GI pipe of Medium (B Class): TATA or Jindal or Utkarsh or Bansal

42	Erection of <b>Earthing arrangement</b> with erection of Hot Dip Galvanized (HDG) earth cone and all other requisite materials as per CEE/GRC's Drg. No.CEE/G/A3/P-150, Alt.1 including sump box with salt and charcoal, metallic cover etc. as per site supervisor's instruction. Cost includes erection of all materials mentioned in the Drawing including 02 mtrs 25x5mm GI strip for connection from earth electro pipe to light pole /Rail pole etc.	The price shall cover supply & commissioning of earthing arrangement as per CEE/GRC's drawing mentioned in the schedule. Cost also includes supply and connection of 2 X 8 SWG Cu. wires between earth pole and main switch/DB/Rail pole etc. as per site supervisor's instruction. Cost also includes earth clamp of size 50X6mm GI and testing of earth resistance jointly with Railway representative. Erection/Installation to be done as and where required as per direction of consignee.
43	Supply and installation of Geyser 25 litre with all required accessoriesConformity to Indian Standard IS:2082(latest),Wall Mounting Vertical,BEE Star Rating 5,Material of Inner Container Stainless Steel,Material of Outer Container CRCA.	The rate is inclusive for Supply and installation of Geyser 25 litre with all required accessoriesConformity to Indian Standard IS:2082(latest),Wall Mounting Vertical,BEE Star Rating 5,Material of Inner Container Stainless Steel,Material of Outer Container CRCA. Make: Venus, Havells, Crompton, Bajaj, V Guard, Racold. Erection/Installation to be done as and where required as per direction of consignee.Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply.
44	Supply and Testing of <b>OEM TTA Distribution panel</b> , consisting of <b>Incoming- MCCB 4P 250 A Qty -01, Outgoing -i) MCCB 4P 100 A Qty -02, ii) MCCB 4P 63 A Qty - 01, iii) MCB 2P 40 A Qty -04, iv) MCB 2P 32 A Qty- 02</b> with suitable TPN 250 A copper busbar, indication lights, suitable spreder link, contactor with all modern facilites required for scada, volt meter, amp meter energy meter time switches etc. Panel should be as per IEC 61439 or latest	The rate is inclusive of Supply and Testing of OEM TTA Distribution panel, consisting of Incoming- MCCB 4P 250 A Qty -01, Outgoing -i) MCCB 4P 100 A Qty -02, ii) MCCB 4P 63 A Qty - 01, iii) MCB 2P 40 A Qty -04, iv) MCB 2P 32 A Qty- 02 with suitable TPN 250 A copper busbar, indication lights, suitable spreder link, contactor with all modern facilites required for scada, volt meter, amp meter energy meter time switches etc. Panel should be as per IEC 61439 or latest. Make: L&T, C&S, ABB, Schneider, Siemens, Legrand., Havells or any IS approved
45	Erection, Installation and commissioning of TTA make Distribution panel . including civil job.	The rate is inclusive of Erection, Installation and commissioning of TTA make Distribution panel . including civil job. Erection/Testing /Commissioning/Installation to be done as and where required as per direction of consignee including required civil work.
46	GST @ 18% on the sub-total (Supply+Erection)	18% GST of Departmental Value. GST will be paid to the firm at the time of billing, subjected to firm's production of sufficient documentary evidences in support of same. NOTE: GST rate to be paid as applicable during the period of execution/billing.
<b>Schedule B</b>		
1	Supply , Installation, Testing and commissioning of <b>200 KVA</b> , 1500 RPM, 415 volt, 3 phase AC , liquid cooled,DG set ower Generator supplied with Acoustic Enclosure. Type Approval Certificate for the specified rating of the Power Generator from any of the designated agency authorized by CPCB ,COP Certificate for engine ,Type test report and Endurance test report for Engine as per IS: 10001 latest / IS: 10002 latest ,Type test report for Alternator as per IS:13364 (Part-1) latest / IS:13364 (Part-2) latest to prove conformity to the specifications etc to be submitted.	The price is inclusive forSupply , Installation, Testing of 200 KVA, 1500 RPM, 415 volt, 3 phase AC , liquid cooled, DG set ower Generator supplied with Acoustic Enclosure. Type Approval Certificate for the specified rating of the Power Generator from any of the designated agency authorized by CPCB(latest) ,COP Certificate for engine ,Type test report and Endurance test report for Engine as per IS: 10001 latest / IS: 10002 latest ,Type test report for Alternator as per IS:13364 (Part-1) latest / IS:13364 (Part-2) latest to prove conformity to the specifications etc to be submitted. Material to be got approved by Sr.DEE/SRC or his authorised representative, before supply. rection/Installation to be done as and where required as per direction of consignee. Make: Koel, Cummins, Kirloskar, Greaves, Asoke leyland, Mahindra & Mahindra or any IS approved.
2	Making of Plinth of size 5 m x 3 m x 0.3 m for load taking capacity of minimum 5000 kg for 200 KVA DG set.	The rate is inclusive of Making of Plinth of size 5 m x 3 m x 0.3 m for load taking capacity of minimum 5000 kg for 200 KVA DG set. The rate include all civil job.
3	GST @ 18% on the sub-total (Supply+Erection)	18% GST of Departmental Value. GST will be paid to the firm at the time of billing, subjected to firm's production of sufficient documentary evidences in support of same. NOTE: GST rate to be paid as applicable during the period of execution/billing.