

Domain :	bhel.abcprocure.com		
Parent department:	TBG Noida		
Unit name	:	TBG, Noida	
Purchase group	:	TBMM 1	RFQ/NIT/Enquiry Officer : Ajay Kumar Chowdhary
Event ID	:	28701	RFQ/NIT/Enquiry no. : 359E031
Enquiry Date	:	22/05/2019 17:14:00	
Tender Description	:	Supply & ETC of ILLUMINATION SYSTEM for PGCIL 765 kV AJMER CHITTORGARH SUBSTATION	
Terms & Conditions	:	As per NIT.	
Product / service / work keywords	:	Illumination System,	
No. of Bid Parts	:	Multiple	Envelope : Techno-commercial bid , Price bid
Type of contract	:	Goods	Project duration / delivery or completion period : 31/08/2019
Download document	:	Before login	RFQ floated under the policy : PP-PURCHASE POLICY
Estimated Category	:	H	Delivery/Location At : Ajmer and Chittorgarh
Delivery Date	:	31/08/2019 17:30:00	Inspection by Agency :
Inspection Location	:		Min. bid required : 3
Bid submission configuration			
Bid evaluation	:	Grand Total Package	Bidding access : Open Tender
Base currency	:	INR	Bidding type : NCB/Indigenous
Key configuration			
Pre-bid meeting	:	Don't allow	
Dates configuration			
Document downloading start date	:	23/05/2019 13:00:00	Document downloading end date : 06/06/2019 14:00:00
Bid submission start date	:	23/05/2019 13:00:00	Bid submission end date : 06/06/2019 14:00:00
Bid opening date	:	06/06/2019 14:01:00	
Document / EMD / Security fee detail			
Document fees	:	Not required	EMD : Not required

Bidding forms

Price Bid

Price Bid for Supply Items

Price Bid for Supply Items

ITEM DESCRIPTION	UNIT	QUANTITY
Supply of Lighting Panel (Outdoor) Type ACP-2 as per technical specification for Ajmer Substation.	Nos.	2
Supply of Lighting Panel (Outdoor) Type ACP-3 as per technical specification for Ajmer Substation.	Nos.	1
Supply of Outdoor Junction box for lighting fixtures for Ajmer Substation.	Nos.	26
Supply of 63A, 415V : Interlocked switch socket outdoor Receptacle (Type RP) complete in all respect for Ajmer Substation.	Nos.	3
Supply of Outdoor Power Receptacle for Oil Filtration Unit (250A, TPN MCCB) for Ajmer Substation.	Set	1
Supply of GI Flat :-50 x 6 mm GI Flat for Ajmer Substation.	meter	60
Supply of Lighting Panel (Outdoor) Type ACP-2 as per technical specification for Chittorgarh Substation	Nos.	2
Supply of Lighting Panel (Outdoor) Type ACP-3 as per technical specification for Chittorgarh Substation	Nos.	1
Supply of Outdoor Junction box for lighting fixtures for Chittorgarh Substation	Nos.	59
Supply of 63A, 415V : Interlocked switch socket outdoor Receptacle (Type RP) complete in all respect for Chittorgarh Substation	Nos.	3
Supply of Outdoor Power Receptacle for Oil Filtration Unit (250A, TPN MCCB) for Chittorgarh Substation	Set	1
Supply of Switchyard panel room (1 Set for 1 Switchyard panel room illumination system in complete as per technical specification alongwith MCB box).:- SPR size 9m X 3.9m - for 765 kV for Chittorgarh Substation	Set	1
Supply of 32 A TP receptacles with MCB (3 phase) for split AC units located in switchyard panel room for Chittorgarh Substation	Nos.	2
Supply of Temperature Transducer - switch-yard panel room shall be provided with temperature transducer to monitor the temperature of the panel room. The Temperature transducer shall have the following specification: Sensor : Air temperature sensor (indoor use), Output : 4 to 20mA, Temperature range : - 5°C to 60°C, Resolution : 0.1°C, Accuracy : 0.5°C or better for Chittorgarh Substation	Set	1
Supply of GI Flat :-50 x 6 mm GI Flat for Chittorgarh Substation	meter	100

Total Scope shall be as per attached Technical Specifications for the price quoted above.

Price Bid for Services

Price Bid for Services

ITEM DESCRIPTION	UNIT	QUANTITY
ETC of Lighting Panel (Outdoor) Type ACP-2 as per technical specification for Ajmer Substation	Nos.	2

ETC of Lighting Panel (Outdoor) Type ACP-3 as per technical specification for Ajmer Substation	Nos.	1
ETC of Outdoor Junction box for lighting fixtures for Ajmer Substation	Nos.	26
ETC of 63A, 415V : Interlocked switch socket outdoor Receptacle (Type RP) complete in all respect for Ajmer Substation	Nos.	3
ETC of Outdoor Power Receptacle for Oil Filtration Unit (250A, TPN MCCB) for Ajmer Substation	Set	1
ETC of GI Flat including cutting, bending, welding with 40 mm dia MS rod riser/earth strip, applying zinc rich paint, clamping to structure/building wall etc to complete. Hardware required for connecting flat on pads of structure & equipment included in scope:50 x 6 mm GI Flat for Ajmer Substation	meter	60
ETC of Tower mounted Lighting fixturesType FL-2 (LED flood light luminaries $\leq$ 250W) including lighting wires & flexible conduit (if required) from junction box to lighting fixture, mounting arrangement and other accessories/materials etc as required for complete installation and commissioning of lighting fixture as per technical specification for Ajmer Substation.Note -Only lighting fixture shall be supplied by BHEL/PGCIL. All other required material are in Bidder scope and should be included in ETC prices.	Nos.	50
ETC of Fire wall mounted Lighting fixturesType FL-2 (LED flood light luminaries $\leq$ 250W) including lighting wires & flexible conduit (if required) from junction box to lighting fixture, mounting arrangement and other accessories/materials etc as required for complete installation and commissioning of lighting fixture as per technical specification for Ajmer Substation.Note-Only lighting fixture shall be supplied by BHEL/PGCIL. All other required material are in Bidder scope and should be included in ETC prices.	Nos.	14
ETC of Cable Laying - 2Cx2.5 sqmm Cu cable, PVC insulated Cabling including laying, tagging , dressing, ferruling, lugging, installation of cable gland, soldering, tapping, jointing, crimping, termination, and drilling/ cutting holes in cable gland plates-laying can be either on trays, supports, Lighting Mast (LM of height 30m approx), Structures, Towers, underground, buried in ground or through GI/PVC pipe over/under ground, through wall etc All erection materials viz. double compression cable glands , ferrules, copper lugs, cable ties / straps, Aluminium flat for clamping, Aluminium tags, markers, GI / PVC wall sleeves with rubber / nylon bushes and flexible steel conduits shall be supplied by bidder for Ajmer Substation.(Only Cable supply shall be in the scope of BHEL)	meter	1800
ETC of Cable Laying -4Cx16 sqmm Al cable, PVC insulated Cabling including laying, tagging , dressing, ferruling, lugging, installation of cable gland, soldering, tapping, jointing, crimping, termination, and drilling/ cutting holes in cable gland plates- laying can be either on trays, supports, Lighting Mast (LM of height 30m approx), Structures, Towers, underground, buried in ground or through GI/PVC pipe over/under ground, through wall etc All erection materials viz. double compression cable glands , ferrules, copper lugs, cable ties / straps, Aluminium flat for clamping, Aluminium tags, markers, GI / PVC wall sleeves with rubber / nylon bushes and flexible steel conduits shall be supplied by bidder for Ajmer Substation.(Only Cable supply shall be in the scope of BHEL)	meter	6000
ETC of Cable Laying -3.5Cx70 sqmm Al cable, PVC insulated Cabling including laying, tagging , dressing, ferruling, lugging, installation of cable gland, soldering, tapping, jointing, crimping, termination, and drilling/ cutting holes in cable gland plates- laying can be either on trays, supports, Lighting Mast (LM of height 30m approx), Structures, Towers, underground, buried in ground or through GI/PVC pipe over/under ground, through wall etc All erection materials viz. double compression cable glands , ferrules, copper lugs, cable ties / straps, Aluminium flat for clamping, Aluminium tags, markers, GI / PVC wall sleeves with rubber / nylon bushes and flexible steel conduits shall be supplied by bidder for Ajmer Substation.(Only Cable supply shall be in the scope of BHEL)	meter	2500
ETC of Cable Laying -3.5Cx300 sqmm Al cable, PVC insulated Cabling including laying, tagging , dressing, ferruling, lugging, installation of cable gland, soldering, tapping, jointing, crimping, termination, and drilling/ cutting holes in cable gland plates- laying can be either on trays, supports, Lighting Mast (LM of height 30m approx), Structures, Towers, underground, buried in ground or through GI/PVC pipe over/under ground, through wall etc All erection materials viz. double compression cable glands , ferrules, copper lugs, cable ties / straps, Aluminium flat for clamping, Aluminium tags, markers, GI / PVC wall sleeves with rubber / nylon bushes and flexible steel conduits shall be supplied by bidder for Ajmer Substation.(Only Cable supply shall be in the scope of BHEL)	meter	650
ETC of Laying of 110mm , PVC class -4 pipes at a depth of 300mm including excavation, backfilling, making and repairing of walls in trenches, cutting, threading, fixing of sockets/ bends where required etc complete. Both ends of PVC pipe shall be closed . If route length is more than required pull pit shall be constructed by Bidder for Ajmer Substation.Note- PVC pipes shall be supplied by BHEL	m	200
Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in charge for Ajmer Substation. Nominal concrete 1:5:10	cum	4.5

Providing & laying in positing cement concrete of specified grade & matching of level with existing cement concrete - All works upto plinth level as per direction of Engineer in charge for Ajmer Substation. Nominal concrete 1(cement) :5(coarse sand):10 (graded stone aggregate 40 mm nominal size) Note - Supply of all required material for PCC will be in Bidder scope.	cum	4.5
ETC of Lighting Panel (Outdoor) Type ACP-2 as per technical specification for Chittorgarh Substation	Nos.	2
ETC of Lighting Panel (Outdoor) Type ACP-3 as per technical specification for Chittorgarh Substation	Nos.	1
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ETC of Outdoor Power Receptacle for Oil Filtration Unit (250A, TPN MCCB) for Chittorgarh Substation	Set	1
ETC of Switchyard panel room (1 Set for 1 Switchyard panel room illumination system in complete as per technical specification alongwith MCB box).:- SPR size 9m X 3.9m - for 765 kV for Chittorgarh Substation	Set	1
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ETC of Temperature Transducer - switch-yard panel room shall be provided with temperature transducer to monitor the temperature of the panel room. The Temperature transducer shall have the following specification: Sensor : Air temperature sensor (indoor use), Output : 4 to 20mA, Temperature range : - 5°C to 60°C, Resolution : 0.1°C, Accuracy : 0.5°C or better for Chittorgarh Substation	Set	1
ETC of GI Flat including cutting, bending, welding with 40 mm dia MS rod riser/earth strip, applying zinc rich paint, clamping to structure/building wall etc to complete. Hardware required for connecting flat on pads of structure & equipment included in scope.:-50 x 6 mm GI Flat for Chittorgarh Substation	meter	100
ETC of Tower mounted Lighting fixturesType FL-2 (LED flood light luminaries ≤ 250W) including lighting wires & flexible conduit (if required) from junction box to lighting fixture, mounting arrangement and other accessories/materials etc as required for complete installation and commissioning of lighting fixture as per technical specification for Chittorgarh Substation. Note - Only lighting fixture shall be supplied by BHEL/PGCIL. All other required material are in Bidder scope and should be included in ETC prices.	Nos.	100
ETC of Fire wall mounted Lighting fixturesType FL-2 (LED flood light luminaries ≤ 250W) including lighting wires & flexible conduit (if required) from junction box to lighting fixture, mounting arrangement and other accessories/materials etc as required for complete installation and commissioning of lighting fixture as per technical specification for Chittorgarh Substation. Note - Only lighting fixture shall be supplied by BHEL/PGCIL. All other required material are in Bidder scope and should be included in ETC prices.	Nos.	26
ETC of Cable Laying - 2Cx2.5 sqmm Cu cable, PVC insulated Cabling including laying, tagging , dressing, ferruling, lugging, installation of cable gland, soldering, tapping, jointing, crimping, termination, and drilling/ cutting holes in cable gland plates- laying can be either on trays, supports, Lighting Mast (LM of height 30m approx), Structures, Towers, underground, buried in ground or through GI/PVC pipe over/under ground, through wall etc All erection materials viz. double compression cable glands , ferrules, copper lugs, cable ties / straps, Aluminium flat for clamping, Aluminium tags, markers, GI/ PVC wall sleeves with rubber / nylon bushes and flexible steel conduits shall be supplied by bidder for Chittorgarh Substation.(Only Cable supply shall be in the scope of BHEL)	meter	3600
ETC of Cable Laying -4Cx16 sqmm Al cable, PVC insulated Cabling including laying, tagging , dressing, ferruling, lugging, installation of cable gland, soldering, tapping, jointing, crimping, termination, and drilling/ cutting holes in cable gland plates- laying can be either on trays, supports, Lighting Mast (LM of height 30m approx), Structures, Towers, underground, buried in ground or through GI/PVC pipe over/under ground, through wall etc All erection materials viz. double compression cable glands , ferrules, copper lugs, cable ties / straps, Aluminium flat for clamping, Aluminium tags, markers, GI / PVC wall sleeves with rubber / nylon bushes and flexible steel conduits shall be supplied by bidder for Chittorgarh Substation.(Only Cable supply shall be in the scope of BHEL)	meter	2500
ETC of Cable Laying - 3.5Cx70 sqmm Al cable, PVC insulated Cabling including laying, tagging , dressing, ferruling, lugging, installation of cable gland, soldering, tapping, jointing, crimping, termination, and drilling/ cutting holes in cable gland plates- laying can be either on trays, supports, Lighting Mast (LM of height 30m approx), Structures, Towers, underground, buried in ground or through GI/PVC pipe over/under ground, through wall etc All erection materials viz. double compression cable glands , ferrules, copper lugs, cable ties / straps, Aluminium flat for clamping, Aluminium tags, markers, GI /	meter	3000

PVC wall sleeves with rubber / nylon bushes and flexible steel conduits shall be supplied by bidder for Chittorgarh Substation.(Only Cable supply shall be in the scope of BHEL)		
ETC of Cable Laying -3.5Cx300 sqmm Al cable, PVC insulated Cabling including laying, tagging , dressing, ferruling, lugging, installation of cable gland, soldering, tapping, jointing, crimping, termination, and drilling/ cutting holes in cable gland plates- laying can be either on trays, supports, Lighting Mast (LM of height 30m approx), Structures, Towers, underground, buried in ground or through GI/PVC pipe over/under ground, through wall etc All erection materials viz. double compression cable glands , ferrules, copper lugs, cable ties / straps, Aluminium flat for clamping, Aluminium tags, markers, GI / PVC wall sleeves with rubber / nylon bushes and flexible steel conduits shall be supplied by bidder for Chittorgarh Substation.(Only Cable supply shall be in the scope of BHEL)	meter	700
ETC of Laying of 110mm , PVC class -4 pipes at a depth of 300mm including excavation, backfilling, making and repairing of walls in trenches, cutting, threading, fixing of sockets/ bends where required etc complete. Both ends of PVC pipe shall be closed . If route length is more than required pull pit shall be constructed by Bidder for Chittorgarh Substation Note- PVC pipes shall be supplied by BHEL	m	400
Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in charge for Chittorgarh Substation. Nominal concrete 1:5:10	cum	9
Providing & laying in positing cement concrete of specified grade & matching of level with existing cement concrete - All works upto plinth level as per direction of Engineer in charge for Chittorgarh Substation. Nominal concrete 1(cement) :5(coarse sand):10 (graded stone aggregate 40 mm nominal size) Note - Supply of all required material for PCC will be in Bidder scope.	cum	9

Total Scope shall be as per attached Technical Specifications for the price quoted above.

Information for Online Participation

Bidder who wish to participate in this tender needs to procure Digital Certificate as per Information Technology Act-2000 using that they can digitally sign their electronic bids. Bidders can procure the same from any or the CCA approved certifying agencies, or they may contact e-Procurement Technologies Ltd. at below mentioned address and they will assist them in procuring the same. Bidders who already have a valid digital Certificate need not to procure the same. In case bidders need any clarification regarding online participation, they can contact,

e-Procurement Technologies Ltd.

Corporate Office:

Address : A-201/208, Wall Street - 2, Opp. Orient Club,
Nr. Gujarat College, Ellis Bridge,
Ahmedabad - 380006, Gujarat(INDIA)

Digital Certificate Contacts

Contact Person : Mr. Himalay Vaishnav
Cell : +91-9099090830
Phone Nos. : +91-9099090830
Fax No :
e-Mail : info@abcProcure.com

Support Team Contacts

Contact Person : BHEL Support Team Ahmedabad
Cell : +91-8160087732
Phone Nos. : +91-79-68136809/871/861/823/872
Fax No :
e-Mail : Bhel.Support@abcProcure.com

Bidder who wish to participate in e-Tender need to fill data in predefined forms of Price bid available in respective tender only. After filling data in predefined forms bidders need to click on final submission link to submit their encrypted bid. Bidder need to submit Document Fees, EMD & Reference Documents in hard copy if such instruction are given by tendering authority. As Per the new Inter-operability guidelines released by Controller of Certifying Authorities(CCA), the Secured Socket Layer(SSL) certificate for a e-procurement application is generated on a new algorithm, SHA2.

Also, the Digital Certificates that will be applicable for these platforms have to be SHA2 algorithm complaint. For the same, the users have to ensure that they have Windows XP(SP3)/Windows Vista/Windows7 installed in their respective PC/Laptop. In case of Windows XP Service pack - 3, if you get any issue you can install the SSL patch, which is available at our download section of our e-Tender/e-Auction Portal and also at our corporate website www.abcprocure.com just below the label of "Knowledge section".

Fraud Prevention

Bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

Preference to Make in India

For this procurement, Public Procurement (Preference to Make in India), order 2017 dated 15.06.2017 & 28.05.2018 and subsequent orders issued by the respective Nodal ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT. In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable. Default margin of purchase preference shall be 20% to local suppliers with default minimum local content of 50%.