

E-mail

झारखण्ड सरकार  
पेयजल एवं स्वच्छता विभाग।

पत्रांक- 9/CDO-231/20-936(CDO)/ राँची,

दिनांक.....04/12/2020

प्रेषक,

उमेश प्रसाद गुप्ता,  
मुख्य अभियन्ता (सी०डी०ओ०)।

सेवा में,

1. सभी अधीक्षण अभियन्ता (याँत्रिक सहित),  
पेयजल एवं स्वच्छता अंचल, झारखण्ड।
2. सभी कार्यपालक अभियन्ता (याँत्रिक सहित),  
पेयजल एवं स्वच्छता प्रमण्डल, झारखण्ड।

विषय:- SOR दर निर्धारण हेतु Procurement of Rate of materials and plants & machineries के लिए e-quotation के संबंध में।

प्रसंग:-कार्यालय आदेश संख्या-23(CDO) दिनांक-24.11.2020 एवं Jharkhand Schedule of Rates framing Standard Operating Procedure, 2020

पूर्व में कार्यालय आदेश द्वारा अपनाये गये SOP के अनुरूप सभी अधीक्षण अभियन्ता को अपने अधीनस्थ एक-एक कार्यपालक अभियन्ता के माध्यम से सामग्रियों एवं Plants & Machineries का दर E-quotation से प्राप्त करने का निर्देश दिया जा चुका है।

उक्त संदर्भ में उच्च स्तरीय निर्देश प्राप्त हुए हैं कि SOR निर्माण हेतु सामग्रियों का दर अविलम्ब (सात दिनों में) प्राप्त कर ली जाय। तत्पश्चात् शीघ्र CDO कार्यालय में प्रेषित किया जाय ताकि उसे ससमय Dedicated SOR Cell के समक्ष प्रस्तुत किया जा सके।

अतः निदेशित किया जाता है कि सभी अधीक्षण अभियन्ता / कार्यपालक अभियन्ता Procurement of Rate of materials and plants & machineries का e-quotation के माध्यम से सात दिनों के अन्दर दर प्राप्त कर तुलनात्मक विवरणी (Soft Copy सहित) के साथ CDO कार्यालय भेजना सुनिश्चित करें।

विदित हो कि दिनांक-12.12.2020 को मुख्य सचिव की अध्यक्षता में इससे संबंधित बैठक संभावित है।

अनु०-यथोपरि।

(उमेश प्रसाद गुप्ता)

मुख्य अभियन्ता, सी०डी०ओ०।

ज्ञापांक- 9/CDO-231/20-936(CDO)/ राँची,

दिनांक.....04/12/2020।

प्रतिलिपि :- 1. सचिव के प्रधान आप्त सचिव / अभियन्ता प्रमुख / मुख्य अभियन्ता (मुख्यालय) / (पी०एम०यू०), पेयजल एवं स्वच्छता विभाग, झारखण्ड, राँची को सूचनार्थ समर्पित।

2. क्षेत्रीय मुख्य अभियन्ता, पेयजल एवं स्वच्छता विभाग, राँची प्रक्षेत्र, राँची / दुमका प्रक्षेत्र, दुमका को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

(उमेश प्रसाद गुप्ता)

मुख्य अभियन्ता, सी०डी०ओ०।

**OFFICE OF THE EXECUTIVE ENGINEER**

.....Department

.....Division -----

**Notice Inviting e-quotation**

**Notice No.....**

Government of Jharkhand through its Public Works Department (PWD) is engaged in framing/revision of Schedule of Rates and as part of this endeavor, quotations through e-tender are invited for Hire Charges of Plant & Machineries annexed as Annexure-1 for Construction Works from Reputed Manufacturers/ Owners/Lessee for respective items . The Hire Charges conforming to specifications for inclusion in the Schedule of Rates for Government of Jharkhand to be used in different Civil construction/ infrastructure works and repair works shall be submitted online in the website [Http://Jharkhandtenders.gov.in](http://Jharkhandtenders.gov.in). Details of Plant and Machineries are available on the above e-tender portal. The quotationer may download the documents from the website and quote their rate for hire charges of Plant and Machineries online from ----- at 10:30 hrs. to ----- at 16:00 hrs. The quotation will be opened on ----- at ----- Hours.

The quotation is invited to ascertain and assess the Hire Charges of Plant and Machineries at par with lowest market rate for framing of Schedule of Rate.

**Terms and Condition**

1. The quotationer Shall submit Hire Charges of Plant & Machineries inclusive of POL, Maintenance, wages of driver/operator, statutory charges/fee and other taxes but exclusive of GST.
2. Plant and Machineries should have capability/capacity to perform as desired in specifications of Central Public Work Department (CPWD)/concerned Department of government of India.
3. Quotationer may quote rate for all the Plant and Machineries/ Part of the Plant and Machineries for which they are concerned.
4. Plant and Machineries should not be older than 5(Five) years as on quotation due date.
5. The quotationer shall quote latest and authentic rate which shall reflect market rate.
6. The quotationer should have necessary Portal enrolment with their own digital signature Certificate. Quotationers without necessary portal enrolment with their digital signature may quote their rate by uploading in the website, however they have to submit hard copy of the same duly signed along with necessary documents in the concerned division.
7. The rate quoted by quotationer shall be firm and final.
8. The quotationer shall furnish GST registration no.

9. The undersigned reserves the right to accept or reject/ cancel any or all quotations without assigning any reason thereof.
10. For any query or clarification you may Contact Executive Engineer -----

Address for Communication :-

Executive Engineer

.....Department

Address .....

Mobile No .....

Fax No. ....

e- mail ID .....

Sl no	Description of Machine	Output of machine	output	Unit	Rate (inclusive of POL, Maintenance, wages of driver/operator, statutory charges/fee and other taxes but exclusive of GST ( in Rs.))	
					(in Figures)	( in Words)
1	2	3	4	5	6	7
PM001	Needle Vibrator	Cum/hr	3.5	hour		
PM 002	Bitumen Pressure Distributor	Sqm/hr	1750	hour		

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**OFFICE OF THE EXECUTIVE ENGINEER**

.....Department

.....Division -----

**Notice Inviting e-quotation**

**Notice No.....**

Government of Jharkhand through its Public Works Department (PWD) is engaged in framing/revision of Schedule of Rates and as part of this endeavor, quotations through e-tender are invited for rate of items/materials annexed as Annexure-1 for Construction Works from Quarry Owners/ Crusher owners/ Reputed Manufacturer/ authorized dealers/ Suppliers and other stakeholders authorized for respective items having valid GSTIN of materials. The rates conforming to specifications for inclusion in the Schedule of Rates for Government of Jharkhand to be used in different Civil construction/ infrastructure works and repair works shall be submitted online in the website [Http://jharkhandtenders.gov.in](http://jharkhandtenders.gov.in). Details of material and its Specifications are available on the above e-tender portal. The quotationer may download the documents from the website and quote their rate of materials online from ----- at 10:30 hrs. to ----- at 16:00 hrs. The quotation will be opened on ----- at ----- Hours.

The quotation is invited to ascertain and assess the Rate of Materials at par with lowest market rate for framing of Schedule of Rate.

**Terms and Condition**

1. The quotationer Shall Submit basic rate of material which will be inclusive of Royalty and other taxes but exclusive of GST.
2. The make and Specifications of various materials shall be governed by the relevant Indian Standard (IS) Codes and Specifications as issued by Central Public Works Department (CPWD)/ Concerned Department of Government of India.
3. Quotationer may quote rate for all the materials/ Part of the material for which they are concerned.
4. Manufacturers/ Producers or their authorized dealers shall quote their rate for material which is actually manufactured/produced/procured by them and the rate quoted for other materials shall not be acceptable.
5. The quotationer shall quote latest and authentic rate which shall reflect market rate.
6. The quotationer should have necessary Portal enrolment with their own digital signature Certificate. Quotationers without necessary portal enrolment with their digital signature may quote their rate by uploading in the website, however they

have to submit hard copy of the same duly signed along with necessary documents in the concerned division.

7. The rate quoted by quotationer shall be firm and final.
8. The quotationer shall furnish GST registration no.
9. The undersigned reserves the right to accept or reject/ cancel any or all quotations without assigning any reason thereof.
10. For any query or clarification you may Contact Executive Engineer -----

Address for Communication :-

Executive Engineer

.....Department

Address .....

Mobile No .....

Fax No. ....

e- mail ID .....

Annexure-1

The interested party i.e the quotationer shall quote price in the following format:

BASIC RATE OF MATERIALS FOR .....

Sl no	Name of Items	Specifications	Unit	Rate including Royalty and other taxes but excluding GST ( in Rs.)	
				( in Figures )	( in Words)
1	2	3	4	5	6
M001	Coarse Sand at Quarry (Equivalent to Koilwar Sand)	Conforming to IS:383 and test conforming to IS:2386( part I to VIII)	Cum		
M002	Fine Sand at Quarry	Conforming to IS:383 and test conforming to IS:2386( part I to VIII)	Cum		

**List of Materials**

Identity Number	Description	Unit	Nodal Department	Remarks
M079	Polythene water storage tank of mark (e.g sintex/sinter/himgiri/gangotietc)with cover and locking system	Per Litre	DWSD	
M129	HDPE pipes 75mm dia	Meter	DWSD	
M130	HDPE pipes 90mm dia	Meter	DWSD	
M193	GI Pipe 50 mm dia ( <b>TATA or equivalent make</b> )	M	DWSD	
M337	Jute	kg	DWSD	
M922	<b>G.M. Ferrules</b>		DWSD	
	(i) 8 mm dia Wt. not less than 400 gms	Each	DWSD	
	(ii) 10 mm dia Wt. not less than 400 gms	Each	DWSD	
	(iii) 15 mm dia Wt. not less than 400 gms	Each	DWSD	
	(iv) 20 mm dia Wt. not less than 600 gms	Each	DWSD	
	(v) 25 mm dia Wt. not less than 900 gms	Each	DWSD	
M923	<b>Stop Cocks</b>		DWSD	
	(i) 15 mm brass stop cock wt. not less than 300 gms	Each	DWSD	
	(ii) 20 mm brass stop cock wt. not less than 400 gms	Each	DWSD	
	(iii) 25 mm brass stop cock wt. not less than 575 gms	Each	DWSD	
	(iv) 32 mm brass stop cock wt. not less than 850 gms	Each	DWSD	
	(v) 40 mm brass stop cock wt. not less than 1.15 kg	Each	DWSD	
	(vi) 50 mm brass stop cock wt. not less than 2.15 kg	Each	DWSD	
	(vii) 15 mm dia C.I. Body brass working part stop cock.	Each	DWSD	
	(viii) 20 mm dia C.I. Body brass working part stop cock.	Each	DWSD	
	(ix) 25 mm dia C.I. Body brass working part stop cock.	Each	DWSD	
M924	<b>G.M. Full way Valve</b>		DWSD	
	(i) 15 mm dia wt. not less than 300 gms without wheel	Each	DWSD	
	(ii) 20 mm dia wt. not less than 400 gms without wheel	Each	DWSD	
	(iii) 25 mm dia wt. not less than 500 gms without wheel	Each	DWSD	
	(iv) 32 mm dia wt. not less than 700 gms without wheel	Each	DWSD	
	(v) 40 mm dia wt. not less than 1.0 kg without wheel	Each	DWSD	
	(vi) 50 mm dia wt. not less than 1.4 kg without wheel	Each	DWSD	
	(vii) 65 mm dia wt. not less than 1.8 kg without wheel	Each	DWSD	
	(viii) 80 mm dia wt. not less than 2.5 kg without wheel	Each	DWSD	
M925	<b>G.M. NON RETURN VALVE VERTICLE</b>		DWSD	
	(i) 15 mm dia wt. not less than 150 gms	Each	DWSD	
	(ii) 20 mm dia wt. not less than 250 gms	Each	DWSD	
	(iii) 25 mm dia wt. not less than 375 gms	Each	DWSD	
	(iv) 32 mm dia wt. not less than 600 gms	Each	DWSD	
	(v) 40 mm dia wt. not less than 700 gms	Each	DWSD	
	(vi) 50 mm dia wt. not less than 1.0 kg	Each	DWSD	
	(vii) 65 mm dia wt. not less than 1.20 kg	Each	DWSD	
	(viii) 80 mm dia wt. not less than 1.50 kg	Each	DWSD	
	(ix) 100 mm dia wt. not less than 1.80 kg	Each	DWSD	
M926	<b>G.M. Non Return Valve Horizontal</b>		DWSD	
	(i) 15 mm dia wt. not less than 150 gms	Each	DWSD	
	(ii) 20 mm dia wt. not less than 250 gms	Each	DWSD	
	(iii) 25 mm dia wt. not less than 375 gms	Each	DWSD	
	(iv) 32 mm dia wt. not less than 600 gms	Each	DWSD	
	(v) 40 mm dia wt. not less than 700 gms	Each	DWSD	
	(vi) 50 mm dia wt. not less than 1.0 kg	Each	DWSD	
	(vii) 65 mm dia wt. not less than 1.20 kg	Each	DWSD	
	(viii) 80 mm dia wt. not less than 1.50 kg	Each	DWSD	
	(ix) 100 mm dia wt. not less than 1.80 kg	Each	DWSD	
M927	<b>COCKs</b>		DWSD	
	(i) 15 mm dia G.M. bib cock wt. not less than 300 gms	Each	DWSD	
	(ii) 15 mm dia brass bib cock wt. not less than 400 gms	Each	DWSD	
	(iii) 15 mm dia C.I. bib cock wt. not less than 400 gms	Each	DWSD	
	(iv) 15 mm dia C.I. Body brass working part spray painted bib cock wt. not less than 400 gms	Each	DWSD	
	(v) 15 mm dia C.I. Brass pillar cock wt. not less than 400 gms	Each	DWSD	
	(vi) 15 mm C.I. Plug cock ordinary	Each	DWSD	
	(vii) 15 mm C.I. push cock ordinary	Each	DWSD	
M928	<b>CHROMIUM PLATED BRASS FITTINGS</b>		DWSD	
	(i) C.P. Shower rose 100 mm dia	Each	DWSD	
	(ii) C.P. Shower rose 125 mm dia	Each	DWSD	
	(iii) P.V.C. Shower rose 150 mm dia	Each	DWSD	
	(iv) P.V.C Shower rose 125 mm dia	Each	DWSD	
M929	<b>CONNECTION PIPE</b>		DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	(i) 15 mm dia x 30 cm. long lead connection pipe with brass fittings.	Each	DWSD	
	(ii) 15 mm dia x 45 cm. long lead connection pipe with brass fittings.	Each	DWSD	
	(iii) 15 mm dia x 30 cm. long PVC connection pipe with brass fittings.	Each	DWSD	
	(iv) 15 mm dia x 45 cm. long PVC connection pipe with brass fittings.	Each	DWSD	
M930	<b>G.I. FITTINGS (CONFORMING TO I.S. - 1879 ) ISI Marked</b>		DWSD	
	<b>[A] G.I. BEND</b>		DWSD	
	(i) 15 mm	Each	DWSD	
	(ii) 20 mm	Each	DWSD	
	(iii) 25 mm	Each	DWSD	
	(iv) 32 mm	Each	DWSD	
	(v) 40 mm	Each	DWSD	
	(vi) 50 mm	Each	DWSD	
	(vii) 65 mm	Each	DWSD	
	(viii) 80 mm	Each	DWSD	
	(ix) 100 mm	Each	DWSD	
	(x) 125 mm	Each	DWSD	
	(xi) 150 mm	Each	DWSD	
	<b>[B] ELBOW OF THE FOLLOWING SIZES</b>		DWSD	
	(i) 15 mm	Each	DWSD	
	(ii) 20 mm	Each	DWSD	
	(iii) 25 mm	Each	DWSD	
	(iv) 32 mm	Each	DWSD	
	(v) 40 mm	Each	DWSD	
	(vi) 50 mm	Each	DWSD	
	(vii) 65 mm	Each	DWSD	
	(viii) 80 mm	Each	DWSD	
	(ix) 100 mm	Each	DWSD	
	(x) 125 mm	Each	DWSD	
	(xi) 150 mm	Each	DWSD	
	<b>[C] TEE PLAIN OF THE FOLLOWING SIZES</b>		DWSD	
	(i) 15 mm	Each	DWSD	
	(ii) 20 mm	Each	DWSD	
	(iii) 25 mm	Each	DWSD	
	(iv) 32 mm	Each	DWSD	
	(v) 40 mm	Each	DWSD	
	(vi) 50 mm	Each	DWSD	
	(vii) 65 mm	Each	DWSD	
	(viii) 80 mm	Each	DWSD	
	(ix) 100 mm	Each	DWSD	
	(x) 125 mm	Each	DWSD	
	(xi) 150 mm	Each	DWSD	
	<b>[D] REDUCING TEE PLAIN OF THE FOLLOWING SIZES (Taking larger dimension)</b>		DWSD	
	(i) 20 mm	Each	DWSD	
	(ii) 25 mm	Each	DWSD	
	(iii) 32 mm	Each	DWSD	
	(iv) 40 mm	Each	DWSD	
	(v) 50 mm	Each	DWSD	
	(vi) 65 mm	Each	DWSD	
	(vii) 80 mm	Each	DWSD	
	(viii) 100 mm	Each	DWSD	
	(ix) 125 mm	Each	DWSD	
	(x) 150 mm	Each	DWSD	
	<b>[E] SOCKET PLAIN OF THE FOLLOWING SIZE (Taking larger dimension)</b>		DWSD	
	(i) 15 mm	Each	DWSD	
	(ii) 20 mm	Each	DWSD	
	(iii) 25 mm	Each	DWSD	
	(iv) 32 mm	Each	DWSD	
	(v) 40 mm	Each	DWSD	
	(vi) 50 mm	Each	DWSD	
	(vii) 65 mm	Each	DWSD	
	(viii) 80 mm	Each	DWSD	
	(ix) 100 mm	Each	DWSD	
	(x) 125 mm	Each	DWSD	
	(xi) 150 mm	Each	DWSD	
	<b>[F] REDUCING SOCKET PLAIN OF THE FOLLOWING SIZES (Taking larger dimension)</b>		DWSD	
	(i) 20 mm	Each	DWSD	
	(ii) 25 mm	Each	DWSD	
	(iii) 32 mm	Each	DWSD	
	(iv) 40 mm	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	(v) 50 mm	Each	DWSD	
	(vi) 65 mm	Each	DWSD	
	(vii) 80 mm	Each	DWSD	
	(viii) 100 mm	Each	DWSD	
	(ix) 125 mm	Each	DWSD	
	(x) 150 mm	Each	DWSD	
	<b>[G] UNION SOCKET OF THE FOLLOWING SIZES</b>		DWSD	
	(i) 15 mm	Each	DWSD	
	(ii) 20 mm	Each	DWSD	
	(iii) 25 mm	Each	DWSD	
	(iv) 32 mm	Each	DWSD	
	(v) 40 mm	Each	DWSD	
	(vi) 50 mm	Each	DWSD	
	(vii) 65 mm	Each	DWSD	
	(viii) 80 mm	Each	DWSD	
	(ix) 100 mm	Each	DWSD	
	(x) 125 mm	Each	DWSD	
	(xi) 150 mm	Each	DWSD	
	<b>[H] PLUGS OF THE FOLLOWING SIZES</b>		DWSD	
	(i) 15 mm	Each	DWSD	
	(ii) 20 mm	Each	DWSD	
	(iii) 25 mm	Each	DWSD	
	(iv) 32 mm	Each	DWSD	
	(v) 40 mm	Each	DWSD	
	(vi) 50 mm	Each	DWSD	
	(vii) 65 mm	Each	DWSD	
	(viii) 80 mm	Each	DWSD	
	(ix) 100 mm	Each	DWSD	
	(x) 125 mm	Each	DWSD	
	(xi) 150 mm	Each	DWSD	
	<b>[I] JAM NUTS OF THE FOLLOWING SIZES</b>		DWSD	
	(i) 15 mm	Each	DWSD	
	(ii) 20 mm	Each	DWSD	
	(iii) 25 mm	Each	DWSD	
	(iv) 32 mm	Each	DWSD	
	(v) 40 mm	Each	DWSD	
	(vi) 50 mm	Each	DWSD	
	(vii) 65 mm	Each	DWSD	
	(viii) 80 mm	Each	DWSD	
	(ix) 100 mm	Each	DWSD	
	(x) 125 mm	Each	DWSD	
	(xi) 150 mm	Each	DWSD	
	<b>[J] G.I. NIPPLE OF THE FOLLOWING SIZES</b>		DWSD	
	(i) 15 mm dia x 100 mm long	Each	DWSD	
	(ii) 20 mm dia x 100 mm long	Each	DWSD	
	(iii) 25 mm dia x 100 mm long	Each	DWSD	
	(iv) 32mm dia x 100 mm long	Each	DWSD	
	(v) 40 mm dia x 100 mm long	Each	DWSD	
	(vi) 50 mm dia x 100 mm long	Each	DWSD	
	(vii) 65 mm dia x 100 mm long	Each	DWSD	
	(viii) 80 mm dia x 100 mm long	Each	DWSD	
	(ix) 100 mm dia x 100 mm long	Each	DWSD	
	<b>[K] G.I. PIPES MEDIUM(Tata mark) OR EQUIVALENT as per IS-1239 (part-01)/2004 ISI Marked/Medium Quality</b>		DWSD	
	(i) 15 mm dia	Meter	DWSD	
	(ii) 20 mm dia	Meter	DWSD	
	(iii) 25 mm dia	Meter	DWSD	
	(iv) 32 mm dia	Meter	DWSD	
	(v) 40 mm dia	Meter	DWSD	
	(vii) 65 mm dia	Meter	DWSD	
M931	<b>MIRRORS</b>	Meter	DWSD	
	(a) Mirror of 6 mm thick plain glass 600 mm x 450 mm beveled edge mirror including C.P. brass revolving fittings 3 mm plywood board and C.P. hinges etc. to fix the mirror	Each	DWSD	
	(b) -do- 450 mm x 300 mm -do-	Each	DWSD	
M932	(a) Glass shelf 600 mm x 125 mm with C.P. brass rail	Each	DWSD	
	(b) -do- 450 mm x 125 mm -do-	Each	DWSD	
M933	(a) C.P. Brass towel rail 20 mm x 600 mm with bracket all complete	Each	DWSD	
	(b) Anodized aluminum 20 mm x 600 mm towel rail complete with brackets	Each	DWSD	
M934	C.P. brass soap dish medium quality with screw and hinges etc.	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
M935	C.P. liquid soap solution holder	Each	DWSD	
M936	VITREOUS WHITE GLAZED INDIAN WATER CLOSET OF Hindustan / Parry Ware / Cera / Naycer or any other equivalent make		DWSD	
	(a) 580 mm long	Each	DWSD	
	(b) 510 mm long	Each	DWSD	
	(c) 450 mm long	Each	DWSD	
	(d) 510 mm long White glazed fiber I.W.C	Each	DWSD	
M937	PAIR OF VETREOUS WHITE GLAZED FOOT REST OF Hindustan / Parryware / Cera / Naycer or any other equivalent make	Each	DWSD	
M938	15 Litres capacity pull and let go high level C.I. cistern complete with ball cock and a pair of bracket	Each	DWSD	
M939	(a) 12.5 Litres lowdown C.I. Cistern	Each	DWSD	
	(b) 10.0 Litres capacity P.V.C. low design cistern	Each	DWSD	
M940	(a) White Glazed vitreous E.W.C with "P" trap or any other equivalent make	Each	DWSD	
	(b) E.W.C with "S" trap 400 mm high of Hindustan / Parry ware / Cera / Naycear or any other equivalent make	Each	DWSD	
	(c) Black / white plastic seat for E.W.C -do- as above.	Each	DWSD	
M941	(a) White glazed vitreous earthen were urinal flat back of Hindustan / Parryware / Cera / Naycer or any other equivalent make 600 mm x 350 mm size	Each	DWSD	
	(b) -do- squatting small 450 mm x 350 mm	Each	DWSD	
	(c) -do- squatting large 600 mm x 350 mm	Each	DWSD	
	(d) White glazed vitreous earthen ware urinal standing corner size 600 mm x 350 mm Hindustan / Parryware / Cera / Naycer or any other equivalent make	Each	DWSD	
	(e) Partition plate for urinal 25" x 13" size	Each	DWSD	
	(f) 5 Litres C.I. automatic cistern with all P.V.C fittings	Each	DWSD	
M942	White glazed vitreous Wash Hand Basin 550 mm x 400 mm size of Hindustan / Parryware / Cera / Naycer or any other equivalent make	Each	DWSD	
M943	<b>White glazed vitreous earthen ware kitchen sinks of Hindustan / Parryware / Cera / Naycer or any other equivalent make</b>		DWSD	
	(a) Kitchen sink 600 mm x 450 mm x 200 mm (24" x 18" x 8")	Each	DWSD	
	(b) Kitchen sink 600 mm x 450 mm x 250 mm (24" x 18" x 10")	Each	DWSD	
	(c) Lab sink 450 mm x 300 mm x 150 mm (18" x 12" x 6")	Each	DWSD	
	(d) Lab sink 300 mm x 250 mm x 150 mm (12" x 10" x 6")	Each	DWSD	
M944	<b>DRAIN BOARD</b>		DWSD	
	(a) 600 mm x 450 mm (24" x 18")	Each	DWSD	
	(b) 525 mm x 450 mm (21" x 18")	Each	DWSD	
M945	<b>H.C.I. Pipes</b>		DWSD	
	(a) 50 mm dia single socket 6'-0" (with ear weight 13 kg)	Each	DWSD	
	(b) 80 mm dia single socket 6'-0" (with ear weight 18 kg)	Each	DWSD	
	(c) 100 mm dia single socket 6'-0" (with ear weight 23 kg)	Each	DWSD	
	(d) 150 mm dia single socket 6'-0" (with ear weight 30 kg)	Each	DWSD	
	(e) 50 mm dia double socket 6'-0" (with ear weight 14 kg)	Each	DWSD	
	(f) 80 mm dia double socket 6'-0" (with ear weight 19 kg)	Each	DWSD	
	(g) 100 mm dia double socket 6'-0" (with ear weight 25 kg)	Each	DWSD	
	(h) 150 mm dia double socket 6'-0" (with ear weight 13 kg)	Each	DWSD	
	(i) 50 mm dia single socket 3'-0" (with ear weight 7.25 kg)	Each	DWSD	
	(j) 80 mm dia single socket 3'-0" (with ear weight 10.5 kg)	Each	DWSD	
	(k) 100 mm dia single socket 3'-0" (with ear weight 13.75 kg)	Each	DWSD	
	(l) 150 mm dia single socket 3'-0" with ear	Each	DWSD	
	(m) 50 mm dia single socket 2'-0" (with ear weight 5.35 kg)	Each	DWSD	
	(n) 80 mm dia single socket 2'-0" (with ear weight 8.00 kg)	Each	DWSD	
	(o) 100 mm dia single socket 2'-0" (with ear weight 10.10 kg)	Each	DWSD	
	(p) 150 mm dia single socket 2'-0" with ear	Each	DWSD	
	(q) 50 mm dia single socket 1'-0" (with ear weight 3.4 kg)	Each	DWSD	
	(r) 80 mm dia single socket 1'-0" (with ear weight 5.50 kg)	Each	DWSD	
	(s) 100 mm dia single socket 1'-0" (with ear weight 7.60 kg)	Each	DWSD	
	(t) 150 mm dia single socket	Each	DWSD	
M946	<b>H.C.I. FITTINGS.</b>		DWSD	
	<b>(I) Plain bend of following size</b>		DWSD	
	(a) 50 mm dia (weight without ear and socket 2.75 kg)	Each	DWSD	
	(b) 80 mm dia (weight without ear and socket 3.5 kg)	Each	DWSD	
	(c) 100 mm dia (weight without ear and socket 4.5 kg)	Each	DWSD	
	(d) 150 mm dia (weight without ear and socket 4.5 kg)	Each	DWSD	
	<b>(II) Bend with door with following size</b>		DWSD	
	(a) 50 mm dia (Wight without ear and socket 2.75 kg)	Each	DWSD	
	(b) 80 mm dia (Wight without ear and socket 4.00 kg)	Each	DWSD	
	(c) 100 mm dia -do- 5.5 kg	Each	DWSD	
	(d) 150 mm dia -do-	Each	DWSD	
	<b>(III) Single Junction with door of followings sizes.</b>		DWSD	
	(a) 50 mm dia (weight without ear and socket 3.75 kg)	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	(b) 80 mm dia (weight without ear and socket 6.50 kg)	Each	DWSD	
	(c) 100 mm dia -do- 9.50 kg	Each	DWSD	
	(d) 150 mm dia -do-	Each	DWSD	
	<b>(IV) Double junction with door of following sizes.</b>		DWSD	
	(a) 50 mm dia -do- 4.5 kg	Each	DWSD	
	(b) 80 mm dia -do- 7.00 kg	Each	DWSD	
	(c) 100 mm dia -do- 13.00 kg	Each	DWSD	
	(d) 150 mm dia -do-	Each	DWSD	
	<b>(V) Heel rest bend of following sizes</b>		DWSD	
	(a) 50 mm dia	Each	DWSD	
	(b) 80 mm dia	Each	DWSD	
	(c) 100 mm dia	Each	DWSD	
	(d) 150 mm dia	Each	DWSD	
	<b>(VI) Cowel of following sizes</b>		DWSD	
	(a) 50 mm dia (weight without ear and socket 2.25 kg)	Each	DWSD	
	(b) 80 mm dia (weight without ear and socket 3.25 kg)	Each	DWSD	
	(c) 100 mm dia (weight without ear and socket 3.25 kg)	Each	DWSD	
	(d) 150 mm dia -do-	Each	DWSD	
	(VII) 100 mm dia "P" trap (wt without ear and socket)8.5 kg	Each	DWSD	
	(VIII) 100 mm dia "P" trap (wt without ear and socket)8.8 kg	Each	DWSD	
	(IX) 100 mm x 80 mm floor trap (weight without ear and socket) 4.00 kg	Each	DWSD	
	(X) Pass over 50 mm x 150 mm for 50 mm projection	Each	DWSD	
	(XI) -Do- 100 mm x 150 mm for 100 mm projection	Each	DWSD	
	(XII) Inverted Junction single 100 mm x 50 (weight without ear and socket) 9.0 kg	Each	DWSD	
	(XIII) Inverted Junction double 100 mm x 50 mm x 50 mm (weight without ear and socket) 12.0 kg	Each	DWSD	
	<b>(XIV) H.C.I. offset 80 mm projection of the following Size</b>		DWSD	
	(a) 50 mm dia (weight without ear and socket) 2.75 kg	Each	DWSD	
	(b) 80 mm dia -do- 3.50 kg	Each	DWSD	
	(c) 100 mm dia -do- 5.00 kg	Each	DWSD	
	(d) 150 mm dia -do-	Each	DWSD	
	<b>(XV) H.C.I. Socket of following sizes</b>		DWSD	
	(a) 50 mm dia (weight without ear) 1.50 kg	Each	DWSD	
	(b) 80 mm dia (weight without ear) 3.00 kg	Each	DWSD	
	(c) 100 mm dia (weight without ear) 4.50 kg	Each	DWSD	
	(d) 150 mm dia (weight without ear) -do-	Each	DWSD	
M947	<b>C.I. Cover with frame for manhole and inspection chamber</b>		DWSD	
	(a) 600 mm x 450 mm size (wt. 39 kg)	Each	DWSD	
	(b) 600 mm x 450 mm size (wt. 25 kg)	Each	DWSD	
	(c) 500 mm x 450 mm size (wt. 25 kg)	Each	DWSD	
M948	<b>C.I. Bracket pair for W.H.B</b>		DWSD	
	(a) 550 mm x 400 mm size (22" x 16")	Each	DWSD	
	(b) -do- for 12.5 Litre cistern	Each	DWSD	
	(c) -do- for 600 mm x 450 mm (24" x 18") sink	Each	DWSD	
	(d) 40 mm x 60 mm MS Plate bracket for sink as above	Each	DWSD	
M949	<b>(a) 32 mm (1 1/4") C.P. Brass waste for W.H.B</b>	Each	DWSD	
	(b) 40 mm (1 1/2") C.P. Brass waste for W.H.B for sink	Each	DWSD	
	(c) 32 mm (1 1/4") C.P. waste of white metal	Each	DWSD	
	(d) 40 mm (1 1/2") C.P. waste of white metal	Each	DWSD	
M950	(a) 32 mm (1 1/4") P.V.C. waste pipe 750 mm long (2'6" long) with brass Union for W H B	Each	DWSD	
	(b) 40 mm (1 1/2") P.V.C. waste pipe 750 mm long (2'6" long) with brass Union for W H B	Each	DWSD	
M951	32 mm (1 1/4") P.V.C. telescopic flush pipe with brass union for high level cistern	Each	DWSD	
M952	Rubber Insertion 3 mm (1/8") thick	Kg	DWSD	
M953	Pig Lead	Kg	DWSD	
M954	Yarn	Kg	DWSD	
M955	<b>Rubber Gasket for C.I pipe of Good quality</b>		DWSD	
	(a) 80 mm	Each	DWSD	
	(b)100 mm	Each	DWSD	
	(c)125 mm	Each	DWSD	
	(d)150 mm	Each	DWSD	
	(e)200 mm	Each	DWSD	
	(f)250 mm	Each	DWSD	
	(g)300 mm	Each	DWSD	
	(h)350 mm	Each	DWSD	
	(i)400 mm	Each	DWSD	
	(j)450 mm	Each	DWSD	
	(k)500 mm	Each	DWSD	
	(l)600 mm	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	(m)700 mm	Each	DWSD	
	(n)750 mm	Each	DWSD	
	(o)800 mm	Each	DWSD	
	(p)900 mm	Each	DWSD	
	(q)1000 mm	Each	DWSD	
	(r)1200 mm	Each	DWSD	
M956	Cotton waste	Kg	DWSD	
M957	Asbestos Suta (gland packing)	Kg	DWSD	
M958	Solvent Cement	Kg	DWSD	
M959	Hydrochloric acid (Sepecific gravity 1.20)	Litre	DWSD	
M960	<b>CP &amp; PVC Fitting</b>		DWSD	
	(i)32 mm dia C.P. Waste	Each	DWSD	
	(ii)32 mm dia PV C waste pipe 750 mm long with coupling	Each	DWSD	
	(iii)40 mm dia C.P. waste	Each	DWSD	
	(iv) 40 mm dia PVC waste pipe 750 mm long with coupling	Each	DWSD	
	(v) 100 mm dia steel jali	Each	DWSD	
	(vi)15 mm dia C.P. nipple with coupling (short pieces)	Each	DWSD	
	(vii)50 mm dia PVC pipe with coupling	Each	DWSD	
M961	<b>Special type of C.P. Bath room fittings for V.I.P. buildings(JAL, Jaquar, Marc or equivalent mark)</b>		DWSD	
	(i) Pillar Cock (ISI)	Each	DWSD	
	(ii) Pillar Cock (Long neck)	Each	DWSD	
	(iii) Bib Cock (ISI)	Each	DWSD	
	(iv) Bib Cock (Long Thread)	Each	DWSD	
	(v) Angular Stop Cock	Each	DWSD	
	(vi) Angular Stop Cock (Long Thread)	Each	DWSD	
	(vii) Concealed stop cock reduce (ISI)	Each	DWSD	
	(viii) Concealed stop Cock heavy-duty extra adjustable wall flange	Each	DWSD	
	(ix) Long Body Bib Cock	Each	DWSD	
	(x) Swan Neck Tap with left hand Operating Knob	Each	DWSD	
	(xi) Central hole basin mixer (Best Quality)	Each	DWSD	
	(xii) Wall mixer with telephonic shower arrangement	Each	DWSD	
	(xiii) Wall mixer with provision for over head shower with elbow coupling and well flange	Each	DWSD	
	(xiv) Wall mixer 3 in 1 system with provision for over head shower with elbow coupling and wall flange	Each	DWSD	
	(xv) Sink mixer with swinging casted spout	Each	DWSD	
	(xvi) Sink Cock with swinging casted spout	Each	DWSD	
	(xvii) 4 - way diverter for concealed fittings	Each	DWSD	
	(xviii) Pressure adjustable shower with revolving joint	Each	DWSD	
	(xix) Telephone shower with flexible pipe	Each	DWSD	
	(xx) Flush Cock with wall flange (25 mm)	Each	DWSD	
	(xxi) Towel Rail 24"	Each	DWSD	
	(xxii) Towel Ring	Each	DWSD	
	(xxiii) Soap dish	Each	DWSD	
	(xxiv) Tumbler Holder	Each	DWSD	
	(xxv) Toilet Paper Holder	Each	DWSD	
	(xxvi) Glass Shelf 22"	Each	DWSD	
	(xxvii) Corner glass shelf with bracket	Each	DWSD	
	(xxviii) Flush Valve complete with 32 mm size control cock & flange	Each	DWSD	
M962	<b>C.I Special &amp; PVC Pipes</b>		DWSD	
	<b>1. C.I double shockteted fittings bend such as bend, tee, taper,</b>		DWSD	
	(a) 80-200 mm	Kg	DWSD	
	(b) 250-700 mm	Kg	DWSD	
	(c) 700-1000 mm	Kg	DWSD	
	<b>2. C.I double flange fittings such as tee, taper, tailpiece, bend etc</b>		DWSD	
	(a) 80-200 mm	Kg	DWSD	
	(b) 250-700 mm	Kg	DWSD	
	(c) 700-1000 mm	Kg	DWSD	
	<b>Spare parts of Hand Pump</b>		DWSD	
M963	Hexagonal Bolt M12x1.75x40mm long common to Marks II & III	Each	DWSD	
M964	Hexagonal Nut M12x1.75mm	Each	DWSD	
M965	Washer M12 (2.5mm thick)	Each	DWSD	
M966	High tensile bolt M10x1.5x40mm long.	Each	DWSD	
M967	Nyloc Nut M10x1.5mm	Each	DWSD	
M968	Handle Axle (Stainless Steel)	Each	DWSD	
M969	Washer for Handle Axle (4mm thick)	Each	DWSD	
M970	Ball Bearing 6204 Z	Each	DWSD	
M971	Spacer for Handle.	Each	DWSD	
M972	Chain with coupling.	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
M973	Hexagonal Bolt for front Cover M12x1.75mm long.	Each	DWSD	
M974	Nitrile Rubber cup washer for Mark – II & III	Each	DWSD	
M975	Nitrile Sealing ring Mark – II	Each	DWSD	
M976	Nitrile Rubber Seating Big for Lower valve Mark-II	Each	DWSD	
M977	Nitrile Rubber Seating Small for Upper valve Mark-II.	Each	DWSD	
M978	Hexagonal rod coupling M12x1.75x50mm long.	Each	DWSD	
M979	Pump Head Assembly (G.I.) with front cover, Bolt & third plate.	Each	DWSD	
M980	Front cover (G.I.)	Each	DWSD	
M981	Handle Assembly (G.I.)	Each	DWSD	
M982	(a) Water Tank Assembly for Mark – II (G.I.)	Each	DWSD	
	(b) Water Tank Assembly for Mark – III (VLOM-65)	Each	DWSD	
M983	Stand Assembly (G.I.) Normal.	Each	DWSD	
M984	Stand Assembly (Telescopic) (G.I.)	Each	DWSD	
M985	Connecting Rod 3mtr. Long with coupling and nut (Electrogalvanized)	Each	DWSD	
M986	a) Cylinder Assembly complete set for Mark-II	Each	DWSD	
	b) Cylinder Assembly complete set for Mark-III (VLOM-65)	Each	DWSD	
M987	a) Upper valve Assembly complete set for India Mark-II	Each	DWSD	
	b) Upper valve Assembly complete set for India Mark-III (VLOM-65)	Each	DWSD	
M988	a) Lower valve Assembly complete set for India Mark-II	Each	DWSD	
	b) Lower valve Assembly complete set for IM-III	Each	DWSD	
M989	Reducer Cap for Cylinder Mark-II	Each	DWSD	
M990	a) Plunger Rod (S.S.) for Mark – II	Each	DWSD	
	b) Plunger Rod (S.S.) for Mark – III	Each	DWSD	
M991	Upper valve Guide (G.M.).	Each	DWSD	
M992	Rubber Seat Retainer for Mark-II	Each	DWSD	
M993	Third Plate for Head Assembly (Galanized)	Each	DWSD	
M994	Cylinder Body with brass liner for IM-II with reducer cap for Top and Bottom.	Each	DWSD	
M995	Gun Metal Spacer.	Each	DWSD	
M996	Check valve Guide Mark-II	Each	DWSD	
M997	a) Check Valve Seat for Mark – II	Each	DWSD	
	b) Check Valve Seat for Mark – III	Each	DWSD	
M998	Nitrile Rubber “O” ring (VLOM-65)	Each	DWSD	
M999	Push Rod for Mark – III (S.S).	Each	DWSD	
M1000	Check Nut for Push Rod (S.S).	Each	DWSD	
M1001	Nitrile Rubber Cup Washer for VLOM-50	Each	DWSD	
M1002	Nitrile Rubber Sealing Ring for Mark – III VLOM-65	Each	DWSD	
M1003	Nitrile Rubber Seating Big for Lower Valve MK-II	Each	DWSD	
M1004	Nitrile Rubber Seating Big for Lower Valve M-III VLOM-65)	Each	DWSD	
M1005	Nitrile Rubber Bobbin VLOM-50	Each	DWSD	
M1006	Nitrile Rubber “O” Ring VLOM-50	Each	DWSD	
M1007	Nitrile Rubber cone for VLOM-50	Each	DWSD	
M1008	Nitrile Rubber cone for VLOM-65	Each	DWSD	
M1009	Nitrile Rubber Centralizer 150mm for (VLOM-65).	Each	DWSD	
M1010	Nitrile Rubber Centralizer 125mm for (VLOM-65).	Each	DWSD	
M1011	Nitrile Rubber Centralizer 150mm for (VLOM-50).	Each	DWSD	
M1012	Nitrile Rubber Centralizer 125mm for VLOM-50	Each	DWSD	
M1013	Nitrile Rubber Centralizer 100mm for VLOM-50	Each	DWSD	
M1014	Water Tank Assembly Mark – III VLOM-50	Each	DWSD	
M1015	Cylinder Assembly Complete set for Mark – III (VLOM-50)	Each	DWSD	
M1016	Upper valve Assembly complete set for IM-III (VLOM-50)	Each	DWSD	
M1017	Lower valve Assembly complete set for IM-III (VLOM-50)	Each	DWSD	
M1018	a) Upper Cap Cylinder Mark – III (VLOM-65)	Each	DWSD	
	b) Upper Cap Cylinder Mark – III (VLOM-50)	Each	DWSD	
M1019	a) Bottom Cap for Mark – III (VLOM-50)	Each	DWSD	
	b) Bottom Cap for Mark – III (VLOM-65)	Each	DWSD	
M1020	Follower for IM-III	Each	DWSD	
M1021	Cage for Mark-III	Each	DWSD	
M1022	S.S. Hexagonal Bolt M-6x25mm long.	Each	DWSD	
M1023	Basic rate of standard I.S.I. mark Deep Well Hand Pump for India mark-2, I.S.I. 15500 (Part 2) / 2004 with latest revision including 12mm x 3meter long 8 no. Connecting Rods made of bright bar electro-galvanized fitted with coupler & normal stand assembly ecommended for use with cylinder assembly suitable for bore well dia 100 to 125mm casing pipe.	Each	DWSD	
M1024	Basic rate of UPVC pipe 125mm dia conforming to I.S.I. latest revision is 12818/2016 CML No. 5543459	Meter	DWSD	
M1025	Basic rate of 32mm G.I. pipe in 3 mtrs. Length (medium) with seamless socket as per relevent B.I.S. specification IS 1239(PART-I)/2004	Meter	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
M1026	DI Pipe : Providing and Supplying ISI mark Centrifugally cast (Spun) Ductile Iron Pipes of 100 mm and above all diameter for water works with socket & spigot ends conforming to IS 8329/2000 in the standard working lengths of 4.5, 5.5 & 6 m suitable for classification K-7 & K-9 suitable for push-on-joint (rubber gasket D jointing) with cement mortar lining inside the pipes with outside zinc and bituminous coating. Rates are ex factory excluding transportation, taxes & duties, Contractor profit & overhead charges etc. Based on WPI 100.3 of May 2020 (Including cost of one no. gasket for each pipe)		DWSD	
	Note : (i) The rates are ex factory but exclusive of GST & C.P. based on WPI 100.3 of May 2020. (ii) Price variation of DI pipe will be calculated based on prevailing WPI.		DWSD	
	<b>Size</b>		DWSD	
	100 mm dia	Meter	DWSD	
	150 mm dia	Meter	DWSD	
	200 mm dia	Meter	DWSD	
	250 mm dia	Meter	DWSD	
	300 mm dia	Meter	DWSD	
	350 mm dia	Meter	DWSD	
	400 mm dia	Meter	DWSD	
	450 mm dia	Meter	DWSD	
	500 mm dia	Meter	DWSD	
	600 mm dia	Meter	DWSD	
	700 mm dia	Meter	DWSD	
	750 mm dia	Meter	DWSD	
	800 mm dia	Meter	DWSD	
	900 mm dia	Meter	DWSD	
	1000 mm dia	Meter	DWSD	
	1100 mm dia	Meter	DWSD	
	1200 mm dia	Meter	DWSD	
	<b>Size</b>		DWSD	
	100 mm dia	Meter	DWSD	
	150 mm dia	Meter	DWSD	
	200 mm dia	Meter	DWSD	
	250 mm dia	Meter	DWSD	
	300 mm dia	Meter	DWSD	
	350 mm dia	Meter	DWSD	
	400 mm dia	Meter	DWSD	
	450 mm dia	Meter	DWSD	
	500 mm dia	Meter	DWSD	
	600 mm dia	Meter	DWSD	
	700 mm dia	Meter	DWSD	
	750 mm dia	Meter	DWSD	
	800 mm dia	Meter	DWSD	
	900 mm dia	Meter	DWSD	
	1000 mm dia	Meter	DWSD	
	1100 mm dia	Meter	DWSD	
	1200 mm dia	Meter	DWSD	
M1027	Providing and Supplying of ISI standard DI specials & fitting with sealing rubber gasket of SBR, complete with cast Iron follower gland & MS nut bolts coated or otherwise protected from rusting and suitable for DI pipes complete as per IS-9523 class K-12 ( ex factory rates ) <del>inspection charge transportation CP extra</del>		DWSD	
	<b>Socketed</b>		DWSD	
	100 -150 mm dia	Kg	DWSD	
	200-300 mm dia	Kg	DWSD	
	350-450 mm dia	Kg	DWSD	
	500-600 mm dia	Kg	DWSD	
	700 mm dia	Kg	DWSD	
	800 mm dia	Kg	DWSD	
	900 mm dia	Kg	DWSD	
	1000 mm dia	Kg	DWSD	
	1100 mm dia	Kg	DWSD	
	1200 mm dia	Kg	DWSD	
	<b>Flanged</b>		DWSD	
	100 -150 mm dia	Kg	DWSD	
	200-300 mm dia	Kg	DWSD	
	350-450 mm dia	Kg	DWSD	
	500-600 mm dia	Kg	DWSD	
	700 mm dia	Kg	DWSD	
	800 mm dia	Kg	DWSD	
	900 mm dia	Kg	DWSD	
	1000 mm dia	Kg	DWSD	
	1100 mm dia	Kg	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	<b>1200 mm dia</b>	Kg	DWSD	
M1028	Providing and supplying in standard lengths High Density Polyethylene Pipe (HDPE Pipe) confirming to IS 4984-4984/14151/12786/13488 (Latest Revision with necessary jointing materials like mechanical connector i.e. thread/insert joint/quick release coupler joint/compression fitting joint or flanged joints excluding coupler/specials and taxes).		DWSD	
	HDPE pipe of materials grade PE80-PN06 (dia in mm)		DWSD	
	25 mm dia	Meter	DWSD	
	32 mm dia	Meter	DWSD	
	40 mm dia	Meter	DWSD	
	50 mm dia	Meter	DWSD	
	63 mm dia	Meter	DWSD	
	75 mm dia	Meter	DWSD	
	90 mm dia	Meter	DWSD	
	110 mm dia	Meter	DWSD	
	125 mm dia	Meter	DWSD	
	140 mm dia	Meter	DWSD	
	160 mm dia	Meter	DWSD	
	180 mm dia	Meter	DWSD	
	200 mm dia	Meter	DWSD	
	225 mm dia	Meter	DWSD	
	250 mm dia	Meter	DWSD	
	280 mm dia	Meter	DWSD	
	315 mm dia	Meter	DWSD	
	355 mm dia	Meter	DWSD	
	400 mm dia	Meter	DWSD	
	450 mm dia	Meter	DWSD	
	500 mm dia	Meter	DWSD	
	HDPE pipe of materials grade PE80-PN10 (dia in mm)		DWSD	
	25 mm dia	Meter	DWSD	
	32 mm dia	Meter	DWSD	
	40 mm dia	Meter	DWSD	
	50 mm dia	Meter	DWSD	
	63 mm dia	Meter	DWSD	
	75 mm dia	Meter	DWSD	
	90 mm dia	Meter	DWSD	
	110 mm dia	Meter	DWSD	
	125 mm dia	Meter	DWSD	
	140 mm dia	Meter	DWSD	
	160 mm dia	Meter	DWSD	
	180 mm dia	Meter	DWSD	
	200 mm dia	Meter	DWSD	
	225 mm dia	Meter	DWSD	
	250 mm dia	Meter	DWSD	
	280 mm dia	Meter	DWSD	
	315 mm dia	Meter	DWSD	
	355 mm dia	Meter	DWSD	
	400 mm dia	Meter	DWSD	
	450 mm dia	Meter	DWSD	
	500 mm dia	Meter	DWSD	
M1029	Providing and supplying in standard lengths High Density Polyethylene Pipe (HDPE Pipe) 25mm to 500mm dia confirming to IS 4984-4984/14151/12786/13488 (Latest Revision with necessary jointing materials like mechanical connector i.e. thread/insert joint/quick release coupler joint/compression fitting joint or flanged joints excluding coupler/specials and taxes).		DWSD	
	HDPE pipe of materials grade PE100-PN06 (dia in mm)		DWSD	
	25 mm dia	Meter	DWSD	
	32 mm dia	Meter	DWSD	
	40 mm dia	Meter	DWSD	
	50 mm dia	Meter	DWSD	
	63 mm dia	Meter	DWSD	
	75 mm dia	Meter	DWSD	
	90 mm dia	Meter	DWSD	
	110 mm dia	Meter	DWSD	
	125 mm dia	Meter	DWSD	
	140 mm dia	Meter	DWSD	
	160 mm dia	Meter	DWSD	
	180 mm dia	Meter	DWSD	
	200 mm dia	Meter	DWSD	
	225 mm dia	Meter	DWSD	
	250 mm dia	Meter	DWSD	
	280 mm dia	Meter	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	315 mm dia	Meter	DWSD	
	355 mm dia	Meter	DWSD	
	400 mm dia	Meter	DWSD	
	450 mm dia	Meter	DWSD	
	500 mm dia	Meter	DWSD	
	HDPE pipe of materials grade PE100-PN10 (dia in mm)		DWSD	
	25 mm dia	Meter	DWSD	
	32 mm dia	Meter	DWSD	
	40 mm dia	Meter	DWSD	
	50 mm dia	Meter	DWSD	
	63 mm dia	Meter	DWSD	
	75 mm dia	Meter	DWSD	
	90 mm dia	Meter	DWSD	
	110 mm dia	Meter	DWSD	
	125 mm dia	Meter	DWSD	
	140 mm dia	Meter	DWSD	
	160 mm dia	Meter	DWSD	
	180 mm dia	Meter	DWSD	
	200 mm dia	Meter	DWSD	
	225 mm dia	Meter	DWSD	
	250 mm dia	Meter	DWSD	
	280 mm dia	Meter	DWSD	
	315 mm dia	Meter	DWSD	
	355 mm dia	Meter	DWSD	
	400 mm dia	Meter	DWSD	
	450 mm dia	Meter	DWSD	
	500 mm dia	Meter	DWSD	
M1030	<b>RCC ESR</b>		DWSD	
	Designing (aesthetically), and constructing <b>RCC elevated service reservoirs</b> of following capacity with RCC staging Consisting of columns, internal and External bracings spaced vertically not More than 4.5 metres centre to centre for ESR having capacity upto 500 cum and Not more than 6m c/c for ESR having Capacity above 500 Cum including Excavation in all types of strata, foundation concrete, cement plaster with water proofing compound to the in side and out side face of the container and also plaster with plastic paint in all Columns and Bracings including refilling disposing off the surplus stuff with in a lead of 50 metres, all labour and material charges including lowering, laying, erecting, hoisting and jointing of pipe assembly of inlet, outlet, washout, overflow and bypass arrangements as per departmental design, providing and fixing accessories such as M.S. ladder out side, Stainless Steel lader in contenor, C.I. manhole frame and covers, water level indicators,lightening conductor, G.I. pipe railing around walk way and top slab, providing stair case from ground level to roof level, M.S. Grill gate of 2M height with locking arrangement of approved design, B.B. Masonry chambers for all valves, ventilating shafts, providing and applying three coats of Acrylic emulsion with silicon		DWSD	
	<b>Notes</b>		DWSD	
	The design of the structure be in accordance with relevant I.S. specification (I.S. 3370 - 1965 or revised.)		DWSD	
	The design shall satisfy the stipulations as per I.S. 1893 -1984 and I.S.13920/1993 for seismic force and I.S.-11682 / 1985 for R.C.C. staging of over head tanks.		DWSD	
	For design having more than 6 columns, suitable bracing is obligatory.		DWSD	
	Plain round mild steel bars grade- I conforming to I.S.432 part-I orhigh yield strength deformed bars conforming to I.S. 1786 or I.S. 1139 shall beused, grade- I mild steel bars will not be allowed		DWSD	
	Irrespective of the type of foundation proposed in the design, one set of bracing be provided at the ground level.		DWSD	
	These rates include providing M.S. ladder for E.S.R.s upto 2 lakh litres capacity and providing spiral stair case for E.S.R. above 2 lakh litres capacity.		DWSD	
	Staging shall have to be designed with stresses of M-200 concrete for ESR. However all RCC construction should be done in M-250. Structures in contact with water shall be designed & casted in M-300		DWSD	
	These rates are including the cost of up lift pressure if any and entire dewatering during execution. Incase of water logging are a where water is struck at shallow depth, extra provision of dewatering shall be made as per site condition.		DWSD	
	All conditions given in the Member Secretary's Circular No. MJP / TS-I / 350 / 1668 dt. 2-8-97 and MJP / S-I / 350 / 2127 dt. 13-7-99 shall be strictly followed and additional cost, if any, due to these conditions is included in the rates mentioned below.		DWSD	
	75 % part rate shall be payable for reinforcement concrete and plastering items of containers of E.S.R. till satisfactory hydraulic testing for water tightness is given; and till that work shall be treated as incomplete.		DWSD	
	The rates indicated in the table are excluding the cost of pipes, specials and valves required for inlet, outlet, washout, overflow and bypass arrangement. The scope of work, however, includes cost of erecting, laying and jointing of pipe and valves including cost of jointing materials upto 5 M beyond outer face of outer most column ( Cost of pipe, specials and valves is taken as 10% of the cost of ESR as per table).		DWSD	
	For ESR upto 500 cum capacity C.I. double flanged pipes upto 300 mm dia shall be provided and C.I. specials shall be used. For ESR above 500 cum capacity C.I. / M.S. pipe assembly with minimum 8 mm thickness upto 500 mm dia and minimum 10 mm thickness above 500 mm dia can be used with proper anti-corrosive epoxy treatment from in side and out side.		DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	Below mentioned rates are for foundation with individual footing with bearing capacity of 20 tonnes per square metre. For raft foundations, these rates shall be increased by 7.5% where safe bearing capacity (SBC) is 5 MT per sqm and by 5 % where SBC is more than 5MT / sqm and upto 10 MT / sqm. This % of 5 % or 7.5 % is applicable for estimation of amount of lumpsum item of ESR. For extra item due to change from individual foundation to raft, actual increase in concrete and steel be paid as per relevant DSR item.		DWSD	
	The rate shall be increased by 30 % for bearing piles upto depth of 10 M and for further increased in depth by 5 M each, it shall be increased by another 10%. These rates are applicable where raft is not feasible. For pile foundations sulphate resistant cement shall only be used. Single pile for the column is not permitted, group of piles shall be designed with pile cap for each column of ESR.		DWSD	
	The rates are applicable for staging height of 12 M. These rates shall be increased or decreased for per metre variation in this staging height as below :		DWSD	
	12 to 16 M staging - 2% per metre		DWSD	
	16 to 20 M staging - 3% per metre		DWSD	
	20 M and above - 4% per metre		DWSD	
	For 17 M staging height, percentage calculation will be like below :		DWSD	
	12 to 16 M --- $4 \times 2 = 8\%$		DWSD	
	16 & 17 M --- $1 \times 3\% = 3\%$ Total = 11%		DWSD	
	For 21 M staging height, percentage calculation will be like below :		DWSD	
	12 to 16 M --- $4 \times 2 = 8\%$		DWSD	
	16 to 20 M --- $4 \times 3\% = 12\%$		DWSD	
	20 & 21 M --- $1 \times 4\% = 4\%$ Total = 24%		DWSD	
	Following rates are for seismic zone III. For zone IV, these rates shall be increased by 5% and for zone II, these rates shall be decreased by 5%. Concerned Executive Engineer shall confirm the seismic zone for the scheme from seismic zone plan before estimation and adopt appropriate rates as per actual seismic zones. (Seismic maps attached in this CSR).		DWSD	
	<b>Notes</b>		DWSD	
	Conditions from Sr.No.1 to 10 shall form a part and parcel of the tender and must be included in the draft tender papers for works of R.C.C. E.S.R.		DWSD	
	Conditions from Sr.No.11 to 16 are for estimation purpose only and shall not appear in the tender.		DWSD	
	<b>Rates for RCC ESRs</b>		DWSD	
	Upto 25,000 litres	Litre	DWSD	
	Cost of 25,000 litres capacity	Job	DWSD	
	Add for capacity above 25,000 upto 50,000 litres	Litre	DWSD	
	Cost of 50,000 litres capacity	Job	DWSD	
	Add for capacity above 50,000 upto 75,000 litres	Litre	DWSD	
	Cost of 75,000 litres capacity	Job	DWSD	
	Add for capacity above 75,000 upto 1,00,000 litres	Litre	DWSD	
	Cost of 1,00,000 litres capacity	Job	DWSD	
	Add for capacity above 1,00,000 upto 1,50,000 litres	Litre	DWSD	
	Cost of 1,50,000 litres capacity	Job	DWSD	
	Add for capacity above 1,50,000 upto 2,00,000 litres	Litre	DWSD	
	Cost of 2,00,000 litres capacity	Job	DWSD	
	Add for capacity above 2,00,000 upto 2,50,000 litres	Litre	DWSD	
	Cost of 2,50,000 litres capacity	Job	DWSD	
	Add for capacity above 2,50,000 upto 3,00,000 litres	Litre	DWSD	
	Cost of 3,00,000 litres capacity	Job	DWSD	
	Add for capacity above 3,00,000 upto 4,00,000 litres	Litre	DWSD	
	Cost of 4,00,000 litres capacity	Job	DWSD	
	Add for capacity above 4,00,000 upto 5,00,000 litres	Litre	DWSD	
	Cost of 5,00,000 litres capacity	Job	DWSD	
	Add for capacity above 5,00,000 upto 7,50,000 litres	Litre	DWSD	
	Cost of 7,50,000 litres capacity	Job	DWSD	
	Add for capacity above 7,50,000 upto 10,00,000 litres	Litre	DWSD	
	Cost of 10,00,000 litres capacity	Job	DWSD	
	Add for capacity above 10,00,000 upto 15,00,000 litres	Litre	DWSD	
	Cost of 15,00,000 litres capacity	Job	DWSD	
	Add for capacity above 15,00,000 upto 20,00,000 litres	Litre	DWSD	
	Cost of 20,00,000 litres capacity	Job	DWSD	
M1031	<b>RCC GSR AND SUMP</b>		DWSD	
	Designing (aesthetically), and constructing RCC ground service reservoirs / RCC sumps in M-300 mix. of required capacity including excavation in all types of strata, foundation concrete, container walls, bottom slab top RCC roof slab / or dome, 20 mm thick cement plaster with water proofing compound in CM 1:3 proportion. to inside face of the container, including epoxy paint from inside including refilling and disposing of surplus stuff within lead of 50 M, all labour and material charges, for laying and jointing of pipe assembly for inlet, outlet washout, over flow and bye-pass arrangement consisting of C.I./ M.S. D/F. pipes, specials and valves of given diameters, providing and fixing accessories such as M.S. ladder inside and outside, C.I. Manhole frame and cover, water top slab, B.B. masonry chamber for all valves, ventilating shafts, including giving satisfactory hydraulic test and water tightness test as per IS code and providing three coat of cement paints to all expose surface of structure including roof surface etc. complete as per design data, criteria, obligatory requirements and detailed specifications.		DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	Anti –termite treatment shall be given for under ground portion of the structure.		DWSD	
	<b>Notes</b>		DWSD	
	The design shall be in accordance with various relevant I.S. specification (I.S.456/2000,I.S.875-1987,I.S.3370-1965 or revised.)		DWSD	
	Only M.S. bars grade I conforming to I.S. 432 part-I or high yield strength deformed bars conforming to I.S. 1786 or I.S.1139 shall be used.Grade- II M.S. bars shall not be used.		DWSD	
	Entire structure shall be in M-300 only.		DWSD	
	The scope of pipe assembly work shall be upto 5 metre beyond out side face of the wall, cost of pipes valves and specials is not included in the rate but labour cost for laying and jointing is included.		DWSD	
	The G.S.R. / Sump above 15 lakh litres capacity shall be in two compartment.		DWSD	
	The Job includes designing the structure for up lift pressure and dewatering if required during entire execution and disposal of surplus excavated stuff within lead of 50 metres as directed by Engineer-in-charge. If up lifts considered in design, then these rates shall be increased by 7.5%.		DWSD	
	G.S.R. outlets shall be with bell mouth of approved pattern in bottom slab and cost of designing bell mouth is included in the rate. Sump well includes cost of suction pit required at bottom.		DWSD	
	For pipe diameters upto 300mm only Clpipes and CI specials shall be used. For pipe diameters above 300mm, M.S. pipes and specials minimum 10mm thick shall be used with proper anti corrosive epoxy treatment from inside and outside.		DWSD	
	Cost of pump house is not included in these rates.		DWSD	
	Above rates are applicable for Seismic Zones 2, 3 and 4.		DWSD	
	75% part rate shall be payable for reinforcement, concrete and plastering items of all types of G.S.R. sand sump still satisfactory hydraulic testing for water tightness test is given and till that work shall be treated as incomplete.		DWSD	
	10% shall be added for sump if over head pump house is proposed.		DWSD	
	Note: Conditions from Sr.No.1 to 11 shall form a part and parcel of tender and must be included in the draft tender papers for work of R.C.C .GSRs and sumps.		DWSD	
	<b>Rates for RCC GSRs and Sumps</b>		DWSD	
	Upto 25,000 litres	Litre	DWSD	
	Cost of 25,000 litres capacity	Job	DWSD	
	Add for capacity above 25,000 upto 50,000 litres	Litre	DWSD	
	Cost of 50,000 litres capacity	Job	DWSD	
	Add for capacity above 50,000 upto 75,000 litres	Litre	DWSD	
	Cost of 75,000 litres capacity	Job	DWSD	
	Add for capacity above 75,000 upto 1,00,000 litres	Litre	DWSD	
	Cost of 1,00,000 litres capacity	Job	DWSD	
	Add for capacity above 1,00,000 upto 1,50,000 litres	Litre	DWSD	
	Cost of 1,50,000 litres capacity	Job	DWSD	
	Add for capacity above 1,50,000 upto 2,00,000 litres	Litre	DWSD	
	Cost of 2,00,000 litres capacity	Job	DWSD	
	Add for capacity above 2,00,000 upto 3,00,000 litres	Litre	DWSD	
	Cost of 3,00,000 litres capacity	Job	DWSD	
	Add for capacity above 3,00,000 upto 5,00,000 litres	Litre	DWSD	
	Cost of 5,00,000 litres capacity	Job	DWSD	
	Add for capacity above 5,00,000 upto 10,00,000 litres	Litre	DWSD	
	Cost of 10,00,000 litres capacity	Job	DWSD	
	Addfor capacityabove10,00,000upto15,00,000 litres	Litre	DWSD	
	Cost of 15,00,000 litres capacity	Job	DWSD	
	Add for capacity above 15,00,000 litres	Litre	DWSD	
	<b>Note: 10% shall be added over the cost of GSR for sump where over head pump house is proposed.</b>		DWSD	
M1032	<b>Unconventional Water Treatment Plant</b>		DWSD	
	Designing (aesthetically), providing and constructing high rate <b>Unconventional Water Treatment Plant</b> i.e. Simplified Water Treatment Plant consisting of Civil works including cost of providing and applying epoxy paint to inside surface of water retaining structures in contact with chlorine and providing anti-termite treatment to entire structure below ground level, ceramic tiles for flooring, Acrylic emulsion with silicon additives paint from outside stainless steel railing, mechanical and electrical components of various sub-works as given below : including necessary hydraulic testing, structural testing and trial for 3 months, etc. complete as directed by Engineer-in-charge (turn-key job) works		DWSD	
	Aeration fountain		DWSD	
	Inlet arrangements		DWSD	
	Mixing channel with ventury flume and flow measuring arrangement		DWSD	
	Inlet channel		DWSD	
	Flocculator- Conforming to I.S. 7208-1974 (Type-C) with detention period of 30 minutes		DWSD	
	Tube settlers-Designing, fabricating and constructing Tube Settlers with square or any other shaped tube like Circular, Chevron, Hexagonal etc .having proven performance		DWSD	
	Rapid sand gravity filters - All valve shall be glandless.		DWSD	
	Filter house		DWSD	
	Chemical house		DWSD	
	Alum tanks- 2Nos. with mixing, carrying and dosing arrangements with piping.		DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	100 kg chlorine cylinder for capacity upto 5MLD and Chlorine tonner for capacity above 5 MLD.		DWSD	
	TCL solution tank with mixing, carrying and dosing arrangement with piping.		DWSD	
	Bypass arrangement		DWSD	
	External and internal electrification		DWSD	
	Laboratory equipments		DWSD	
	Wash water tanks of capacity equal to 12 minutes to wash specified number of filter beds at time at 600 lit / m <sup>2</sup> /m under head of 12m at under drain.		DWSD	
	Wash water pumps with 100% standby		DWSD	
	Air blowers capable of delivering 600 LMP per square metre of free air of filter area at 0.4 Kg / sqcm at the under drains (100 % standby). Air blowers shall be adopted for WTP having capacity more than 3 MLD only. Below 3 MLD capacity, Air blowers shall not be adopted.		DWSD	
	Pure water sump of capacity equal to 1 hour pumping capacity.		DWSD	
	Pure water pump house over the sump / by the side of sump.		DWSD	
	Drainage arrangements		DWSD	
	Alum store		DWSD	
	Sanitary block with necessary water supply and drainage arrangements and internal WBM roads.		DWSD	
	These rates are applicable for seismic zones 2, 3 and 4.		DWSD	
	Rates given below are inclusive of uplift pressure if any and dewatering during the entire work.		DWSD	
	All RCC structures shall be constructed in M-250. Structures in contact with water shall be in M-300.		DWSD	
	Unconventional Treatment Plants less than 1 MLD capacity shall not be constructed.		DWSD	
	All the Structural Steel Works / Fabrications are to be provided with application of Hot Dip Zinc coating according to specification as per IS 4759:1996 (Reaffirmed 2006).		DWSD	
	<b>Note: Conditions from Sr. No. 1 to 28 shall form a part and parcel of the tender and must be included in draft tender papers for the work of unconventional treatment plants.</b>		DWSD	
	<b>Unconventional Water Treatment Plant</b>		DWSD	
	Fixed cost for 1 MLD	P.Job	DWSD	
	Add for capacity above 1 MLD upto 2 MLD	P.MLD	DWSD	
	Cost of 2 MLD treatment plant	P.Job	DWSD	
	Add for capacity above 2 MLD upto 3 MLD	P.MLD	DWSD	
	Cost of 3 MLD treatment plant	P.Job	DWSD	
M1033	<b>Conventional Water Treatment Plant</b>		DWSD	
	Designing (aesthetically), providing constructing and commissioning <b>Conventional Water Treatment Plant</b> consisting of all Civil, Mechanical and Electrical works including cost of providing and applying epoxy paint to inside surface of water retaining structures in contact with chlorine and providing antitermite treatment to entire structure below ground level, mechanical and electrical components of various sub-works as given below, including necessary hydraulic testing, structural testing, equipment testing and trial run for a period of 3 months, etc. complete as directed by Engineer-in-charge (turn-key job).		DWSD	
	Aeration Fountain- Plan area not less than 0.625 square metre per MLD		DWSD	
	Ventury Flume - With necessary devices, consisting of simple mechanical indicator. (Pedestal type gauge)		DWSD	
	Flash Mixer-Rapid mixing device, detention time 60 seconds to give velocity gradient 300 to 400 sec <sup>-1</sup> , vane mixer type conforming to I.S. 7090 of 1985.		DWSD	
	Flocculator – Conforming to I.S.7208-1974 (Type-C) with detention period of 30 minutes.		DWSD	
	Clarifier - Horizontal flow circular tank, detention period 2-5 hours, overflow rate 30 cubic metre per square metre per day (to be specified), Weir loading not more than 300 cubic metre per metre per day, with mechanical sludge scraper conforming to I.S. No. 10313-1982.		DWSD	
	Rapid Sand Filter sand Filter House-Filter designed for filtration rate of 5,000 litres per square metre per hour, minimum 2 beds for plant upto 10 MLD, for larger plants as specified, filters to be located in filter house with roof slab, pipe gallery and platform minimum 5.5 metre in width.		DWSD	
	FilterSand-Effective size 0.45 to 0.70mm, uniformity coefficient not more than 1.7, nor less than 1.3, depth of water over sand 0.75M, free board 50cm, gravel 0.45M in depth, sand and gravel conforming to I.S. 8491 (i)-77, back wash by air wash, stand ard appurtenances (to be specified), rate of flow controller, filter gauge, sand expansion gauge, etc.		DWSD	
	Wash Water Tank-Capacity to be specified and suitable to supply water to wash 2 filter units at a time where the units are 4 or more.		DWSD	
	Wash Water Pumps- Capacity to fill water tank in 1 hour with 100% standby.		DWSD	
	Air Blowers-Capable of delivering 600 LMP per square metre of free air, of filter area at 0.4kg / sqcm at the under drains (100% standby).		DWSD	
	Chemical House in Two Storeys		DWSD	
	Ground floor to accommodate 7 days' alum requirement and sundry storage.		DWSD	
	First floor to accommodate alum and lime tanks. etc.		DWSD	
	Solution tanks-Minimum 3 tanks (one for preparation, second for dosing and third as standby), each tank capable of giving 8 hours maximum dose without interruption, minimum free board 0.30M, trays for dissolving, level indicator, mechanical agitation devices, solution feed and drain lines, solution feed device (constant head device, strength of solution upto 10% only) conforming to I.S. 9222 Part-I 1979.		DWSD	
	Pure Water Sump and Sump House.		DWSD	
	Capacity of sump – One hour of designed flow.		DWSD	
	Pump House- Pump house of required size over the sump or by the side.		DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	Store House-Suitable for alum storage of three months' requirement in monsoon with 10% extra capacity for other sundry articles.		DWSD	
	Vacuum feed type Chlorinators- Make to be approved by MJP.		DWSD	
	Conforming to I.S. 10533 - A Part-II 1983		DWSD	
	Rate for withdrawal		DWSD	
	Temperature Kg. of Chlorine discharge Degree 'C' per day (Cylinders)		DWSD	
	45 67 Tonnes		DWSD	
	10 6.35 9.50 110		DWSD	
	15 10.75 16.10 130		DWSD	
	20 14.50 21.24 254		DWSD	
	27&Above 18.70 28.12 315		DWSD	
	Chlorinator equipment and container room to conform to I.S. 10553 Part-I 1983.		DWSD	
	100% standby shall be provided.		DWSD	
	By pass arrangements - C.I. or M.S. pipes.		DWSD	
	Disposal of waste from WTP: Safe disposal arrangement to near by Nala including cost of pipe		DWSD	
	For WTP of Capacity 30 MLD and more additional arrangement for backwash water recycle shall be provided, including sump, pumping machinery, rising main etc complete		DWSD	
	Drainage arrangements – RCC pipes up to plot boundary.		DWSD	
	Electrical installation – Both internal and external including entire plant area.		DWSD	
	Laboratory equipment –As per requirement (to be specified during tendering).		DWSD	
	Sanitary blocks – Carpet area -15 square metre minimum upto 25 Mld and 25 square metre above 25 Mld.		DWSD	
	Administrative block and internal road-To accommodate office room, chlorine room, laboratory room, panel board room, blower room etc. and WBM road to connect all units from main gate of plot.		DWSD	
	Rates given below are inclusive of up lift pressure if any and dewatering during entire work.		DWSD	
	All pipes conduits channels with 20% overloading		DWSD	
	These rates are applicable for seismic zones 2, 3 and 4.		DWSD	
	All RCC structures shall be constructed in M-300.		DWSD	
	<b>Note: Conditions from Sr. No. 1 to 22 shall form a part and parcel of the tender and must be incorporated in draft tender papers of conventional treatment plants (proposed).</b>		DWSD	
	<b>Conventional Water Treatment Plant</b>		DWSD	
	Above 3 MLD to Upto 5 MLD	P.MLD	DWSD	
	Cost of 5 MLD treatment plant	P.Job	DWSD	
	Add for capacity above 5MLD upto 10 MLD	P.MLD	DWSD	
	Cost of 10 MLD treatment plant	P.Job	DWSD	
	Add for capacity above 10 MLD upto 20 MLD	P.MLD	DWSD	
	Cost of 20 MLD treatment plant	P.Job	DWSD	
	Add for capacity above 20 MLD upto 50 MLD	P.MLD	DWSD	
	Cost of 50 MLD treatment plant	P.Job	DWSD	
	Add for capacity above 50 MLD upto 100 MLD	P.MLD	DWSD	
	Cost of 100 MLD treatment plant	P.Job	DWSD	
	Add for capacity above 100 MLD	P.MLD	DWSD	
M1034	<b>GPT/HYGPT :</b> Drilling by Rotary drill machine of size 300mm & 400mm dia with T.C. drill bit for tubewells in all kinds of soil including moorum, hard soil, soil mixed with pebbles, shingles, compacted soil, clay, soft and decomposed rock etc, up to 60 meters depth including reaming to facilitate smooth lowering of casing pipe etc. as per specification and direction of E/I (Basic rates)		DWSD	
	300 mm dia for GPT	Meter	DWSD	
	400 mm dia for HYGPT	Meter	DWSD	
M1035	<b>HYDT :</b> Cost of drilling 200 mm x 165 mm x 125 meter deep bore well in all kinds of soil and rock in rural area for installation of pump set with Hydraulic DTH Rig machine, all complete including supplying all materials, tools, drilling rig, Air Compressor and equipments, as well as fuel, lubricants and cost of transportation of Rig machine and other vehicles up to the site (Basic rates)		DWSD	
	From 0-50 meter	Meter	DWSD	
	From 51-125 meter	Meter	DWSD	
M1036	<b>MS Pipe</b>		DWSD	
	Supplying all tools, tackles & lowering of 200 mm dia MS ERW casing pipe of 6mm wall thickness including welding charges, cost of pipe etc. all complete job (Basic rates)	Meter	DWSD	
	Supplying all materials, labours, tools & equipments for fitting & fixing 200mm dia MS cap over casing pipe complete job (Basic rates)	Item	DWSD	
M1037	<b>DT :</b> Basic rates for 125/115 mm dia Drilled Tube-well for drilling in all kinds of soil and rock for installation of hand pump with DTH rig Machine all complete including supplying all materials, labours, tools, drilling, rigs, air compressor and equipments as well as fuel lubricant, for making 125/115 mm dia boring etc. and cost of transporting rig machine and other vehicle up to site of work as per specification and direction of Engineer Incharge (Basic rates)		DWSD	
	Drilling upto 30 mtr Depth below G. L. in Rural Area	Meter	DWSD	
	Drilling beyond 31 mtr upto 60 mtr below G. L. in Rural Area	Meter	DWSD	
M1038	<b>Trenchless</b>		DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	Installation of product pipe by manual pipe jacking method including making of entry and exit pits all related civil works like excavation ,shoring / strutting etc manual shielded exccation ,lowering of pipe segments in the jacking pit laying and jointing of product pipeline through jacking process from the jacking pit and restoration of site after project completion as per the instruction of the engineering -in - charge all complete except the cost of the pipe average cover of 1.5 depth below GI ( upto 100 meter installation length )		DWSD	
	from 900 mm to 1000 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	
	In sandy Soil	Meter	DWSD	
	In Stone Soil	Meter	DWSD	
	from 1000 mm to 1200 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	
	In sandy Soil	Meter	DWSD	
	In Stone Soil	Meter	DWSD	
	Above 1200 mm to 1500 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	
	In sandy Soil	Meter	DWSD	
	In Stone Soil	Meter	DWSD	
	Installation of product pipe by Auger Boring method including making of entry and exit pits all related civil works like excavation ,shoring /strutting etc shielded excavation ,through auger boring process lowering of pipe segments in the jacking pit laying and jointing of product pipeline through jacking process from the jacking pit and restoration of site after project completion as per the instruction of the engineering -in - charge all complete except the cost of the pipe average cover of 1.5 depth below GI ( upto 100 meter installation length )		DWSD	
	upto 300 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	
	In sandy Soil	Meter	DWSD	
	In Stone Soil	Meter	DWSD	
	Above300 mm to 450 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	
	In sandy Soil	Meter	DWSD	
	In Stone Soil	Meter	DWSD	
	Above 450 mm to 600 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	
	In sandy Soil	Meter	DWSD	
	In Stone Soil	Meter	DWSD	
	Above 600 mm to 900 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	
	In sandy Soil	Meter	DWSD	
	In Stone Soil	Meter	DWSD	
	Installation of product pipe by Guided Auger Boring method including making of entry and exit pits all related civil works like excavation ,shoring /strutting etc shielded excavation ,through auger boring process lowering of pipe segments in the jacking pit laying and jointing of product pipeline through jacking process from the jacking pit and restoration of site after project completion as per the instruction of the engineering -in - charge all complete except the cost of the pipe average cover of 1.5 depth below GI ( upto 100 meter installation length )		DWSD	
	upto 300 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	
	In sandy Soil	Meter	DWSD	
	In Stone Soil	Meter	DWSD	
	Above300 mm to 450 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	
	In sandy Soil	Meter	DWSD	
	In Stone Soil	Meter	DWSD	
	Above 450 mm to 600 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	
	In sandy Soil	Meter	DWSD	
	In Stone Soil	Meter	DWSD	
	Above 600 mm to 900 mm dia		DWSD	
	In Soft soil	Meter	DWSD	
	In Hard soil	Meter	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	<i>In sandy Soil</i>	Meter	DWSD	
	<i>In Stone Soil</i>	Meter	DWSD	
M1039	Providing and Supplying ISI Mark CI/ D/F reflux valves ( Non return Valves ) of following dia inspection charges unloading from railway wagon ,loading into truck transportation upto department stores / site unloading stacking etc. complete reflux valve as per IS 5312 Part I (1984)		DWSD	
	<i>Without bypass arrangement - PN-1</i>		DWSD	
	<i>50 MM</i>	<i>Each</i>	DWSD	
	<i>65 MM</i>	<i>Each</i>	DWSD	
	<i>80 MM</i>	<i>Each</i>	DWSD	
	<i>100 MM</i>	<i>Each</i>	DWSD	
	<i>125 MM</i>	<i>Each</i>	DWSD	
	<i>150 MM</i>	<i>Each</i>	DWSD	
	<i>200 MM</i>	<i>Each</i>	DWSD	
	<i>250 MM</i>	<i>Each</i>	DWSD	
	<i>300 MM</i>	<i>Each</i>	DWSD	
	<i>350 MM</i>	<i>Each</i>	DWSD	
	<i>400 MM</i>	<i>Each</i>	DWSD	
	<i>450 MM</i>	<i>Each</i>	DWSD	
	<i>500 MM</i>	<i>Each</i>	DWSD	
	<i>600 MM</i>	<i>Each</i>	DWSD	
	<i>700 MM</i>	<i>Each</i>	DWSD	
	<i>750 MM</i>	<i>Each</i>	DWSD	
	<i>800 MM</i>	<i>Each</i>	DWSD	
	<i>900 MM</i>	<i>Each</i>	DWSD	
	<i>1000 MM</i>	<i>Each</i>	DWSD	
	<i>1100 MM</i>	<i>Each</i>	DWSD	
	<i>1200 MM</i>	<i>Each</i>	DWSD	
	<i>With bypass arrangement - PN-1</i>		DWSD	
	<i>50 MM</i>	<i>Each</i>	DWSD	
	<i>65 MM</i>	<i>Each</i>	DWSD	
	<i>80 MM</i>	<i>Each</i>	DWSD	
	<i>100 MM</i>	<i>Each</i>	DWSD	
	<i>125 MM</i>	<i>Each</i>	DWSD	
	<i>150 MM</i>	<i>Each</i>	DWSD	
	<i>200 MM</i>	<i>Each</i>	DWSD	
	<i>250 MM</i>	<i>Each</i>	DWSD	
	<i>300 MM</i>	<i>Each</i>	DWSD	
	<i>350 MM</i>	<i>Each</i>	DWSD	
	<i>400 MM</i>	<i>Each</i>	DWSD	
	<i>450 MM</i>	<i>Each</i>	DWSD	
	<i>500 MM</i>	<i>Each</i>	DWSD	
	<i>600 MM</i>	<i>Each</i>	DWSD	
	<i>700 MM</i>	<i>Each</i>	DWSD	
	<i>750 MM</i>	<i>Each</i>	DWSD	
	<i>800 MM</i>	<i>Each</i>	DWSD	
	<i>900 MM</i>	<i>Each</i>	DWSD	
	<i>1000 MM</i>	<i>Each</i>	DWSD	
	<i>1100 MM</i>	<i>Each</i>	DWSD	
	<i>1200 MM</i>	<i>Each</i>	DWSD	
	<i>Without bypass arrangement - PN-1.6</i>		DWSD	
	<i>50 MM</i>	<i>Each</i>	DWSD	
	<i>65 MM</i>	<i>Each</i>	DWSD	
	<i>80 MM</i>	<i>Each</i>	DWSD	
	<i>100 MM</i>	<i>Each</i>	DWSD	
	<i>125 MM</i>	<i>Each</i>	DWSD	
	<i>150 MM</i>	<i>Each</i>	DWSD	
	<i>200 MM</i>	<i>Each</i>	DWSD	
	<i>250 MM</i>	<i>Each</i>	DWSD	
	<i>300 MM</i>	<i>Each</i>	DWSD	
	<i>350 MM</i>	<i>Each</i>	DWSD	
	<i>400 MM</i>	<i>Each</i>	DWSD	
	<i>450 MM</i>	<i>Each</i>	DWSD	
	<i>500 MM</i>	<i>Each</i>	DWSD	
	<i>600 MM</i>	<i>Each</i>	DWSD	
	<i>With bypass arrangement - PN-1.6</i>		DWSD	
	<i>50 MM</i>	<i>Each</i>	DWSD	
	<i>65 MM</i>	<i>Each</i>	DWSD	
	<i>80 MM</i>	<i>Each</i>	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	100 MM	Each	DWSD	
	125 MM	Each	DWSD	
	150 MM	Each	DWSD	
	200 MM	Each	DWSD	
	250 MM	Each	DWSD	
	300 MM	Each	DWSD	
	350 MM	Each	DWSD	
	400 MM	Each	DWSD	
	450 MM	Each	DWSD	
	500 MM	Each	DWSD	
	600 MM	Each	DWSD	
	Providing double flange sluice valve ( Size 50 mm to 1200 mm ) confirming for IS - 2906 / 14846 including worn gear arrangements as per test pressure stainless steel spindle , caps transportation etc. all complete .		DWSD	
	With bypass arrangement - PN-1		DWSD	
	50 MM	Each	DWSD	
	65 MM	Each	DWSD	
	80 MM	Each	DWSD	
	100 MM	Each	DWSD	
	125 MM	Each	DWSD	
	150 MM	Each	DWSD	
	200 MM	Each	DWSD	
	250 MM	Each	DWSD	
	300 MM	Each	DWSD	
	350 MM	Each	DWSD	
	400 MM	Each	DWSD	
	450 MM	Each	DWSD	
	500 MM	Each	DWSD	
	600 MM	Each	DWSD	
	700MM	Each	DWSD	
	750 MM	Each	DWSD	
	800 MM	Each	DWSD	
	900 MM	Each	DWSD	
	1000 MM	Each	DWSD	
	1100 MM	Each	DWSD	
	1200MM	Each	DWSD	
	Without bypass arrangement - PN-1		DWSD	
	50 MM	Each	DWSD	
	65 MM	Each	DWSD	
	80 MM	Each	DWSD	
	100 MM	Each	DWSD	
	125 MM	Each	DWSD	
	150 MM	Each	DWSD	
	200 MM	Each	DWSD	
	250 MM	Each	DWSD	
	300 MM	Each	DWSD	
	350 MM	Each	DWSD	
	400 MM	Each	DWSD	
	450 MM	Each	DWSD	
	500 MM	Each	DWSD	
	600 MM	Each	DWSD	
	700MM	Each	DWSD	
	750 MM	Each	DWSD	
	800 MM	Each	DWSD	
	900 MM	Each	DWSD	
	1000 MM	Each	DWSD	
	1100 MM	Each	DWSD	
	1200MM	Each	DWSD	
	Providing double flange sluice valve confirming for IS - 2906 / 14846 including worn gear as per test pressure stainless steel spindle , caps transportation etc. all complete FOR Rateincluding all taxes . .		DWSD	
	Without bypass arrangement - PN-1.6		DWSD	
	50 MM	Each	DWSD	
	65 MM	Each	DWSD	
	80 MM	Each	DWSD	
	100 MM	Each	DWSD	
	125 MM	Each	DWSD	
	150 MM	Each	DWSD	
	200 MM	Each	DWSD	
	250 MM	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	300 MM	Each	DWSD	
	350 MM	Each	DWSD	
	400 MM	Each	DWSD	
	450 MM	Each	DWSD	
	500 MM	Each	DWSD	
	600 MM	Each	DWSD	
	700MM	Each	DWSD	
	750 MM	Each	DWSD	
	800 MM	Each	DWSD	
	900 MM	Each	DWSD	
	1000 MM	Each	DWSD	
	1100 MM	Each	DWSD	
	1200MM	Each	DWSD	
	With bypass arrangement - PN-1.6		DWSD	
	50 MM	Each	DWSD	
	65 MM	Each	DWSD	
	80 MM	Each	DWSD	
	100 MM	Each	DWSD	
	125 MM	Each	DWSD	
	150 MM	Each	DWSD	
	200 MM	Each	DWSD	
	250 MM	Each	DWSD	
	300 MM	Each	DWSD	
	350 MM	Each	DWSD	
	400 MM	Each	DWSD	
	450 MM	Each	DWSD	
	500 MM	Each	DWSD	
	600 MM	Each	DWSD	
M1040	Design and Supply of V -wire screen laterals suitable for infiltration Galleryas per site condition and detail provided End connection suitable flange excluding taxes and transportation .		DWSD	
	Dia - 06 inch ( 150 mm )	Meter	DWSD	
	ID - 153 mm OD -167 mm		DWSD	
	Screen thickness - 07 mm		DWSD	
	Slot - 1.00 mm		DWSD	
	MOC - Low Carbon Galvenised steel		DWSD	
	Length - 5 mtr.		DWSD	
	Dia - 08 inch ( 200 mm )	Meter	DWSD	
	ID - 205 mm OD -221mm		DWSD	
	Screen thickness - 08 mm		DWSD	
	Slot - 1.00 mm		DWSD	
	MOC - Low Carbon Galvenised steel		DWSD	
	Length - 5 mtr.		DWSD	
	Dia - 10 inch ( 250 mm )	Meter	DWSD	
	ID - 256 mm OD -276mm		DWSD	
	Screen thickness - 10 mm		DWSD	
	Slot - 1.00 mm		DWSD	
	MOC - Low Carbon Galvenised steel		DWSD	
	Length - 5 mtr.		DWSD	
	Dia - 12 inch ( 300 mm )	Meter	DWSD	
	ID - 306 mm OD -326 mm		DWSD	
	Screen thickness - 10 mm		DWSD	
	Slot - 1.00 mm		DWSD	
	MOC - Low Carbon Galvenised steel		DWSD	
	Length - 5 mtr.		DWSD	
	Dia - 14 inch ( 350 mm )	Meter	DWSD	
	ID - 338 mm OD -363 mm		DWSD	
	Screen thickness - 12.5 mm		DWSD	
	Slot - 1.00 mm		DWSD	
	MOC - Low Carbon Galvenised steel		DWSD	
	Length - 5 mtr.		DWSD	
M1041	Supplying all materials, labours, equipments for lowering 125mm dia blue UPVC casing pipe as casing for protecting the sides from falling during the process of drilling all complete including carriage of materials to work site (Basic Rate).	Meter	DWSD	
M1042	Supplying all tools, equipments and labour and doing washing, flushing and development of drilled tube well to give clean and clear water all complete as per dirction E/I (Basic Rate).		DWSD	
M1043	Supplying labour cement and calcium chloride or bentonite solution and equipments for grouting the casing pipe after lowering in the bore including carriage of materials to work site etc. all complete as per specification & direction of E/I (Basic Rate).	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
M1044	Supplying labour and equipments including 125mm dia G.I. Cap and fitting and fixing over the casing pipe of tube well properly and taking it out as per direction E/I (The cap will be the property of department) (Basic Rate).	Each	DWSD	
M1045	Supplying all materials, labours, equipments for constructing P.C.C. (1:2:4) circular platform around drilled tube well including 12mm thick cement plaster (1:4) with neat cement punning over exposed surface as per UNICEF design, etc. all complete including carriage of materials (Basic Rate).	Each	DWSD	
M1046	Supplying all materials, labours and equipments for constructing P.C.C. (1:2:4) drain as per UNICEF design etc. all complete including carriage of materials (Basic Rate).	Meter	DWSD	
M1047	Supplying extra Deep well Hand Pump Complete sets with Cylinder Assembly & Connecting Rod (12 Pcs) as per IS : 15500 Part-2/2004 (Basic Rate).		DWSD	
M1048	Supply of 200mm dia x 3.00m long UPVC casing pipe conforming to IS : 12818 : 2016 (CML No. 5543459) latest revision including carriage (Basic Rate).	Meter	DWSD	
M1049	Supply of 200mm dia ribbed Screen pipe conforming to IS : 12818 : 2016 (CML No. 5543459) latest revision including carriage (Basic Rate).		DWSD	
M1050	Supply of 125mm dia ribbed Screen pipe conforming to IS : 12818 : 2016 (CML No. 5543459) latest revision including carriage (Basic Rate).	Meter	DWSD	
M1051	Supplying all tools, equipments and labour and lowering 32 mm dia medium quality G.I. pipe in drilled tube well in 3 Mtrs. Length all complete as per direction E/I including carriage of materials (Basic Rate).		DWSD	
M1052	Supplying all tools, Labour for fitting and fixing deep well cylinder with necessary connecting rod complete job as per specification & direction of E/I including carriage of materials (Basic Rate).	Each	DWSD	
M1053	Supplying all materials, labours and fixing India mark II Hand Pump with all accessories all complete job as per direction of E/I including carriage of materials (Basic Rate).	Each	DWSD	
M1054	Design, Supply, Installation testing & Commissioning of packaged water treatment plants (Unconventional type) of different capacity with (20 hours operation) comprising of lamella clarifier, Static Mixture Flocculation Tank (SMET), Multi grade filter (MGF) with best quality filter media, Lime/coagulant/polymer dosing system hypo chloride dosing system, Raw water feed pump/clear water transfer pump (either or), sludge transfer cum recirculation pump, filter feed pump & back wash pump including all fitting like valve and other special fittings and electrical power supply to the different supplied units with MCB panel internal electrification with lighting arrangement with treatment plant site with provision of chemical storage and water testing boratory facility should be from a reputed manufacturer/ authorized distribution / authorized dealer conforming to relevant IS codes and certified by ISO-9001-2008 & 14001, It also include cost of civil foundation, including clarified water tank internal connecting pipe line from Raw Water inlet to CWR and applying internal epoxy paint on the supply equipment All the prices are exclusive of GST Allied structure/items which are site specific	Packaged lamella clarified type WTP with MGF capacity in MLD	DWSD	
		0.2	DWSD	
		0.3	DWSD	
		0.4	DWSD	
		0.5	DWSD	
		0.6	DWSD	
M1055	<b>PUMPS</b>		DWSD	
	Supplying 100 mm dia submersible pump sets confirming to IS 8034 and motor confirming to IS 9283. Pump shall be suitable for various delivery head and discharge with stainless steel pump shaft and polypropylene/ noryl impeller. Motor suitable for working on 415V±10%, 3PH, 50 Hz, A.C. supply with cable guard, thrust carbon/ fiber bearing to withstand entire hydraulic thrust, water proof winding shall be provided. The pump set shall be suitable for direct coupling. Pump shall have suitable outlet as per manufacturers design. Anti thrust stream lined non return valve shall be provided with pump. 3 meter submersible copper conductor cable in single/ double run shall be provided with each pump.		DWSD	
	Submersible Pump set 100 mm dia (with Polypropylene/ Noryl Impeller) up to 20 stages		DWSD	
	1 H.P.	Each	DWSD	
	1.5 HP	Each	DWSD	
	2 HP	Each	DWSD	
	2.5 HP	Each	DWSD	
	3.0 HP	Each	DWSD	
	4.0 HP	Each	DWSD	
	5.0 HP	Each	DWSD	
	Supply rate should be increased by Rs 200/- per stage for pump with more than 20 stages		DWSD	
	Submersible Pump 150 mm dia (with Bronze impeller) up to 8 stages		DWSD	
	1.5 HP	Each	DWSD	
	2.0 HP	Each	DWSD	
	3.0 HP	Each	DWSD	
	4.0 HP	Each	DWSD	
	5.0 HP	Each	DWSD	
	6.0 HP	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	7.5 HP	Each	DWSD	
	Supply rate should be increased by Rs 600/- per stage for pump with more than 8 stages		DWSD	
	Submersible Pump 150 mm dia (with Bronze Impeller) up to 12 stages		DWSD	
	8.0 HP	Each	DWSD	
	9.0 HP	Each	DWSD	
	10.0 HP	Each	DWSD	
	11.0 HP	Each	DWSD	
	12.5 HP	Each	DWSD	
	15.0 HP	Each	DWSD	
	Supply rate should be increased by Rs 600/- per stage for pump with more than 12 stages		DWSD	
	Submersible Pump 150 mm dia (with Bronze Impeller) up to 20 stages		DWSD	
	17.5 HP	Each	DWSD	
	20.0 HP	Each	DWSD	
	25 HP	Each	DWSD	
	1) Supply rate should be increased by Rs 600/- per stage for pump with more than 20 stages for Bore well only.		DWSD	
	For other use 200 mm dia pump shall be preferred over 150 mm dia with more than 20 stage pump.		DWSD	
	2) For 150 mm dia energy efficient pumps add as below		DWSD	
	a. up to 8 stages :- 3% on supply rate		DWSD	
	b. up to 12 stages :- 4% on supply rate		DWSD	
	c. up to 15 stages :- 5% on supply rate		DWSD	
M1056	<b>PRESSURE GAUGE</b>		DWSD	
	Providing fabricating, testing and commissioning pressure vessel fabricating in M.S plate on providing foundation including epoxy paint		DWSD	
	Pressure gauge (100 mm dia)	Each	DWSD	
	Pressure gauge (150 mm dia)	Each	DWSD	
	Vacuum / Combination gauge		DWSD	
	Supplying Vacuum Gauge/ Combination gauge of required range complete with syphon tube, isolating cock suitable for 12 mm dia G.I. pipe.		DWSD	
	Vacuum / Combination gauge – 100 mm dia	Each	DWSD	
	Vacuum / Combination gauge – 150 mm dia	Each	DWSD	
M1057	<b>Lifting Equipment</b>		DWSD	
	<b>Chain pulley Block</b>		DWSD	
	Supplying triple spur gear type chain pulley block suitable for capacity as below with 3 m lift complete with load chain and hand chain suitable for above lift, tested to 50% over load as per IS 3832 carrying ISI mark.		DWSD	
	1 Tonne Capacity	Each	DWSD	
	2 Tonne Capacity	Each	DWSD	
	3 Tonne Capacity	Each	DWSD	
	<b>Hand operated Circular or Rectangular Travelling Crane (Single Girder)</b>		DWSD	
	Supplying Single Girder Hand Operated Circular/ Rectangular Travelling Crane with 6 m lift complete with chain pulley block ISI marked and travelling trolley both tested for 50% overload including arrangement for longitudinal travel / circular travel and cross travel with wheel, hand chain, etc complete.		DWSD	
	<b>3 Tonne Capacity</b>		DWSD	
	Up to 5 m span	Each	DWSD	
	Above 5 m up to 6 m span	Each	DWSD	
	Above 6 m up to 8 m span	Each	DWSD	
	<b>5 Tonne Capacity</b>		DWSD	
	Up to 5 m span	Each	DWSD	
	Above 5 m up to 6 m span	Each	DWSD	
	Above 6 m up to 8 m span	Each	DWSD	
	Above 8 m up to 10 m span	Each	DWSD	
	<b>Electric Operated Circular or Rectangular Travelling Crane (Single Girder)</b>		DWSD	
	Supplying single girder Electrically Operated Rectangular Over head Travelling Crane with 6 m lift complete with wire rope hoist, class II duty, all three motions electrically operated by suitable rating motor IP 54, control panel and down pendant control block.		DWSD	
	<b>5 Tonne Capacity</b>		DWSD	
	Above 6 m up to 8 m span	Each	DWSD	
	Above 8 m up to 10 m span	Each	DWSD	
	<b>7.5 Tonne Capacity</b>		DWSD	
	Above 6 m upto 8 m span	Each	DWSD	
	Above 8 m up to 10 m span	Each	DWSD	
	<b>10 Tonne Capacity</b>		DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	Above 6 m up to 8 m span	Each	DWSD	
	Above 8 m up to 10 m span	Each	DWSD	
	Square Bar / Rail		DWSD	
	Providing, erecting and fixing square bar of EN 8 as rail for over head crane on provided track, girder / continuous corbel beam, including supporting plate and "J" bolts.		DWSD	
	50 X 50 mm (EN 8)	Meter	DWSD	
	40 X 40 mm (EN 8)	Meter	DWSD	
M1058	<b>Lightening Arrester, AB Switch, Insulators</b>		DWSD	
	<b>Lightening Arrestor</b>		DWSD	
	Supplying, erecting approved make thyrite type Lightening Arrestor suitable for H.T. supply with necessary ancillary material complete on provided cross arm and connected to overhead line.		DWSD	
	Suitable for 11 kV Supply, Distribution class	Set	DWSD	
	Suitable for 22 kV Supply, Distribution class	Set	DWSD	
	Suitable for 33 kV Supply, Station class	Set	DWSD	
	<b>Disc Insulator</b>		DWSD	
	Supplying, erecting porcelain Disc Type Insulators with hardware fittings suitable for H.T. overhead line complete erected with nuts and bolts on provided cross arm		DWSD	
	Suitable for 11KV line	Each	DWSD	
	Suitable for 33KV line	Each	DWSD	
	<b>Pin Insulator</b>		DWSD	
	Supplying, erecting porcelain Pin Type Insulators with hardware fittings suitable for H.T. overhead line complete erected with nuts and bolts on provided cross arm		DWSD	
	Suitable for 11KV line	Each	DWSD	
	Suitable for 33KV line	Each	DWSD	
	<b>Air break switch without Earth switch</b>		DWSD	
	Supplying, erecting approved make H.T. outdoor type gang operated air break triple pole switch of required capacity with 3 post / pin type insulator per phase , mounted in horizontal or vertical position on provided cross arm with adequate length of G.I. pipe for operating handle erected on extended square shaft. The operating handle provided with lock and key at suitable height from ground with necessary clamps		DWSD	
	<b>Suitable for 11KV line</b>		DWSD	
	Rocking / Tilting type	Set	DWSD	
	Rotating type	Set	DWSD	
	<b>Suitable for 33KV line</b>		DWSD	
	Rocking / Tilting type	Set	DWSD	
	Rotating type	Set	DWSD	
	<b>Air break switch with Earth switch</b>		DWSD	
	Supplying, erecting approved make H.T. outdoor type gang operated air break triple pole switch with earth switch of required capacity with 3 post / pin type insulator per phase , mounted in horizontal or vertical position on provided cross arm with adequate length of G.I. pipe for operating handle erected on extended square shaft. The operating handle provided with lock and key at suitable height from ground with necessary clamps		DWSD	
	<b>Suitable for 11KV line</b>		DWSD	
	Rotating type	Set	DWSD	
	<b>Suitable for 33KV line</b>		DWSD	
	Rotating type	Set	DWSD	
	<b>Drop out Fuse (channel mounted)</b>		DWSD	
	Supplying, erecting approved make out door type Drop out fuse channel type with insulator complete with fuse holders fuse barrel with metal fittings, fuse element, with working current up to 50 Amp, capacity complete erected on provided cross arm, each set comprising 3 units		DWSD	
	Suitable for 11 KV line	Set	DWSD	
	Suitable for 33 KV line	Set	DWSD	
	<b>Horn gap fuse (channel mounted)</b>		DWSD	
	Supplying, erecting approved make out door type Horn gap type fuse with insulator, fuse element, with working current up to 50 Amp, capacity complete erected on provided cross arm, each set comprising 3 units		DWSD	
	Suitable for 11 KV line	Set	DWSD	
	Suitable for 33 KV line	Set	DWSD	
M1059	<b>TRANSFORMER</b>		DWSD	
	<b>Power Transformer (with off load Tap changer) Any ISI Mark</b>		DWSD	
	Supplying outdoor type copper wound transformer continuously rated for 3Ph, 50 Hz, at full load and temp. rise not exceeding 45 <sup>0</sup> C by thermometer in oil and 50 <sup>0</sup> C by the resistance in winding after continuous run at full load rating, the transformer should have oil immersed winding having vector group DY11, HT side connected in delta and LT side connected in star with neutral brought out connected to provide separate earthing. The Transformer shall have power terminal arrangement, bushing/ cable end box on HT side and cable end box on LT side. 2 Nos channels with stoppers shall be provided and fixed on the provided plinth for mounting the transformer. The transformer should have following standard fittings. Transformer shall be latest manufacturing standards as per amended IS specifications and the load & No load losses shall be limited to the values given below or as per IS or Norms issued by SEB which ever are lower-		DWSD	
	1. Oil conservator with filling hole with cap and plain oil level gauge.		DWSD	
	2. Silica gel dehydrating breather charged with silica gel.		DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	3. Oil drain valve		DWSD	
	4. Oil filter valve		DWSD	
	5. Lifting eyes/ hooks		DWSD	
	6. Two earthing terminals		DWSD	
	7. Diagram and rating plate		DWSD	
	8. Air vent		DWSD	
	9. Explosion vent		DWSD	
	10. 100mm dia thermo meter with thermometer pocket		DWSD	
	11. Four bi directional plain roller.		DWSD	
	<b>Power Transformer 11000/433 volts With off load Tap Changer – 12.5% to +2.5% in steps of 2.5% as per BIS Level-2.</b>		DWSD	
	63 KVA ( No load loss 180w and load loss 1235w)	Each	DWSD	
	100 KVA (No load loss 260w and load loss 1760w)	Each	DWSD	
	160KVA (No load loss 260w and load loss 1760w)	Each	DWSD	
	200KVA(No load loss 500w and load loss3000w)	Each	DWSD	
	250KVAA(No load loss 550w and load loss3600w)	Each	DWSD	
	315KVA (No load loss 580w and load loss 4200w)	Each	DWSD	
	400 KVA (No load loss 715w and load loss 5000w)	Each	DWSD	
	500 KVA (No load loss 850w and load loss 5800w)	Each	DWSD	
	630 KVA (No load loss 1000w and load loss 7000w)	Each	DWSD	
	750 KVA (No load loss 1500w and load loss 8000w)	Each	DWSD	
	<b>Power Transformer (with on load Tap changer)</b>		DWSD	
	Supplying outdoor type copper wound transformer continuously rated for 3Ph, 50 Hz, at full load and temp. rise not exceeding 45 <sup>o</sup> C by thermometer in oil and 50 <sup>o</sup> C by the resistance in winding after continuous run at full load rating, the transformer should have oil immersed winding having vector group DY11, HT side connected in delta and LT side connected in star with neutral brought out connected to provide separate earthing. The Transformer shall have power terminal arrangement, bushing/ cable end box on HT side and cable end box on LT side. 2Nos channels with stoppers shall be provided and fixed on the provided plinth for mounting the transformer. The transformer should have following standard fittings. The OLTC should be suitable for minimum 50 operations per day. Transformer shall be latest manufacturing standards as per amended IS specifications and the load & No load losses shall be limited to the values given below or as per IS or Norms issued by SEB which ever are lower-		DWSD	
	1. Oil conservator with filling hole with cap and plain oil level gauge.		DWSD	
	2. Silica gel dehydrating breather charged with silica gel.		DWSD	
	3. Oil drain valve		DWSD	
	4. Oil filter valve		DWSD	
	5. Lifting eyes/ hooks		DWSD	
	6. Two earthing terminals		DWSD	
	7. Diagram and rating plate		DWSD	
	8. Air vent		DWSD	
	9. Explosion vent		DWSD	
	10. 100mm dia thermo meter with thermometer pocket		DWSD	
	11. Four bi directional plain roller.		DWSD	
	12. Buchholz relay		DWSD	
	13. Resistance Temp. detector		DWSD	
	14. Marshalling box		DWSD	
	15. Automatic Voltage Regulator (AVR)		DWSD	
	16. Remote Tap Changing Controller (RTCC)		DWSD	
	<b>Transformer 11000/433 volts With on load Tap Changer – 15% to +5% in steps of 1.25% with RTCC, AVR and marshalling box and other specification as per BIS Level-2.</b>		DWSD	
	750 KVA	Each	DWSD	
	1000 KVA	Each	DWSD	
	1250 KVA	Each	DWSD	
	1600 KVA	Each	DWSD	
	2000 KVA	Each	DWSD	
M1060	<b>Motors</b>		DWSD	
	<b>Foot Mounted Motors TEFC 1500 RPM</b>		DWSD	
	Supplying Foot Mounted TEFC 1500 RPM, squirrel cage induction motor, conforming to IS 325 having continuous rating suitable for operation at 415 volts +/-10%, 3 Phase, 50 HZ +/-3% with "F" class insulation temperature rise limited to class "B" insulation. Motors conform to IS-12615 with efficiency level IE3 and provided with enclosure protection class IP-55.		DWSD	
	15 KW (20 HP)	Each	DWSD	
	18.5 KW ( 25 HP)	Each	DWSD	
	22 KW ( 30 HP)	Each	DWSD	
	30 KW ( 40 HP)	Each	DWSD	
	37 KW ( 50 HP)	Each	DWSD	
	45 KW ( 60 HP)	Each	DWSD	
	55 KW ( 75 HP)	Each	DWSD	
	75 KW ( 100 HP)	Each	DWSD	
	90 KW ( 120 HP)	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	110 KW ( 150 HP)	Each	DWSD	
	132KW(180HP)	Each	DWSD	
	160KW( 215 HP)	Each	DWSD	
	250KW (335 HP)	Each	DWSD	
	<b>Foot Mounted Motor TEFC 1500 RPM</b>		DWSD	
	0.75 KW(1HP)	Each	DWSD	
	1.1 KW ( 1.5 HP)	Each	DWSD	
	1.5 KW ( 2 HP)	Each	DWSD	
	2.2 KW ( 3 HP)	Each	DWSD	
	3.7 KW ( 5 HP)	Each	DWSD	
	5.5 KW ( 7.5 HP)	Each	DWSD	
	7.5 KW ( 10 HP)	Each	DWSD	
	9.3 KW ( 12.5 HP)	Each	DWSD	
	11 KW ( 15 HP)	Each	DWSD	
M1061	<b>Aluminium Cable</b>		DWSD	
	<b>CABLE</b>		DWSD	
	<b>Aluminium conductor three core, XLPE / PVC insulated &amp; armoured cable .</b>		DWSD	
	Supplying XLPE / PVC insulated, armoured cable 1100 V grade with ISI mark Three core, solid / stranded aluminium conductor with 6 mm thick 25 mm width M.S. spacer with G.I. Earth wire 6 sq mm, complete in an approved manner.		DWSD	
	3 core 2.5 sq mm	Meter	DWSD	
	3 core 4 sq mm	Meter	DWSD	
	3 core 6 sq mm	Meter	DWSD	
	3 core 10 sq mm	Meter	DWSD	
	3 core 16 sq mm	Meter	DWSD	
	3 core 25 sq mm	Meter	DWSD	
	3 core 35 sq mm	Meter	DWSD	
	3 core 50 sq mm	Meter	DWSD	
	3 core 70 sq mm	Meter	DWSD	
	3 core 95 sq mm	Meter	DWSD	
	3 core 120 sq mm	Meter	DWSD	
	3 core 150 sq mm	Meter	DWSD	
	3 core 185 sq mm	Meter	DWSD	
	3 core 240 sq mm	Meter	DWSD	
	3 core 300 sq mm	Meter	DWSD	
	3 core 400 sq mm	Meter	DWSD	
	<b>Aluminium conductor 3.5 core, XLPE / PVC insulated &amp; unarmoured cable</b>		DWSD	
	Supplying XLPE / PVC insulated, unarmoured cable 1100 V grade with ISI mark Three and half core, stranded aluminium conductor with 6 mm thick 25 mm width M.S. spacer with G.I. Earth wire 6 sq mm, complete in an approved manner.		DWSD	
	3.5 core 25 sq mm	Meter	DWSD	
	3.5 core 35 sq mm	Meter	DWSD	
	3.5 core 50 sq mm	Meter	DWSD	
	3.5 core 70 sq mm	Meter	DWSD	
	3.5 core 95 sq mm	Meter	DWSD	
	3.5 core 120 sq mm	Meter	DWSD	
	3.5 core 150 sq mm	Meter	DWSD	
	3.5 core 185 sq mm	Meter	DWSD	
	3.5 core 240 sq mm	Meter	DWSD	
	3.5 core 300 sq mm	Meter	DWSD	
	3.5 core 400 sq mm	Meter	DWSD	
	<b>HT Aluminium three core 3.3 KVE cable XLPE insulated</b>	Meter	DWSD	
	Supplying HT Aluminium three core cable XLPE insulated ,insulation screened with extruded semi conducting compound in combination with copper tape (0.3 kA for 1 sec.) cores laidup inner sheath of PVC tape ,galvanised steel flat strip armoured,and overall PVC sheathed cable conforming to IS :7098 /II/85 with latest amendments	Meter	DWSD	
	3 core 35 sq mm	Meter	DWSD	
	3 core 50 sq mm	Meter	DWSD	
	3 core 70 sq mm	Meter	DWSD	
	3 core 95 sq mm	Meter	DWSD	
	3 core 120 sq mm	Meter	DWSD	
	3 core 150sq mm	Meter	DWSD	
	3 core 185 sq mm	Meter	DWSD	
	3 core 240sq mm	Meter	DWSD	
	3 core 300 sq mm	Meter	DWSD	
	3 core 400 sq mm	Meter	DWSD	
	<b>HT Aluminium three core 6.6 KV(UE)/11KV E cable XLPE insulated</b>		DWSD	
	Supplying HT Aluminium three core cable XLPE insulated ,insulation screened with extruded semi conducting compound in combination with copper tape (0.3 kA for 1 sec.) cores laidup inner sheath of PVC tape ,galvanised steel flat strip armoured,and overall PVC sheathed cable conforming to IS :7098 /II/85 with latest amendments		DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	3 core 35 sq mm	Meter	DWSD	
	3 core 50 sq mm	Meter	DWSD	
	3 core 70 sq mm	Meter	DWSD	
	3 core 95 sq mm	Meter	DWSD	
	3 core 120 sq mm	Meter	DWSD	
	3 core 150sq mm	Meter	DWSD	
	3 core 185 sq mm	Meter	DWSD	
	3 core 240sq mm	Meter	DWSD	
	3 core 300 sq mm	Meter	DWSD	
	3 core 400 sq mm	Meter	DWSD	
	<b>HT Aluminium three core 11KV(UE) cable XLPE insulated</b>		DWSD	
	Supplying HT Aluminium three core cable XLPE insulated ,insulation screened with extruded semi conducting compound in combination with copper tape (0.3 kA for 1 sec.) cores laidup inner sheath of PVC tape ,galvanised steel flat strip armoured,and overall PVC sheathed cable conforming to IS :7098 /II/85 with latest amendments		DWSD	
	3 core 35 sq mm	Meter	DWSD	
	3 core 50 sq mm	Meter	DWSD	
	3 core 70 sq mm	Meter	DWSD	
	3 core 95 sq mm	Meter	DWSD	
	3 core 120 sq mm	Meter	DWSD	
	3 core 150sq mm	Meter	DWSD	
	3 core 185 sq mm	Meter	DWSD	
	3 core 240sq mm	Meter	DWSD	
	3 core 300 sq mm	Meter	DWSD	
	3 core 400 sq mm	Meter	DWSD	
	<b>Aluminium conductor three core, XLPE / PVC insulated &amp; unarmoured cable .</b>		DWSD	
	Supplying XLPE / PVC insulated, unarmoured cable 1100 V grade with ISI mark Three core, solid / stranded aluminium conductor with 6 mm thick 25 mm width M.S. spacer with G.I. Earth wire 6 sq mm. complete in an approved manner.		DWSD	
	3 core 4 sq mm	Meter	DWSD	
	3 core 6 sq mm	Meter	DWSD	
	3 core 10 sq mm	Meter	DWSD	
	3 core 16 sq mm	Meter	DWSD	
	3 core 25 sq mm	Meter	DWSD	
	3 core 35 sq mm	Meter	DWSD	
	3 core 50 sq mm	Meter	DWSD	
	3 core 70 sq mm	Meter	DWSD	
	3 core 95 sq mm	Meter	DWSD	
	3 core 120 sq mm	Meter	DWSD	
	3 core 150 sq mm	Meter	DWSD	
	3 core 185 sq mm	Meter	DWSD	
	3 core 240 sq mm	Meter	DWSD	
	3 core 300 sq mm	Meter	DWSD	
	3 core 400 sq mm	Meter	DWSD	
M1062	<b>Copper Cable</b>	Meter	DWSD	
	<b>CABLE</b>	Meter	DWSD	
	<b>3 Core PVC insulated, PVC sheathed copper conductor flat submersible cable .</b>	Meter	DWSD	
	Supplying , Flat flexible submersible cable with, copper conductor, PVC insulated, and PVC sheathed .	Meter	DWSD	
	3 core 1.5 sq mm	Meter	DWSD	
	3 core 2.5 sq mm	Meter	DWSD	
	3 core 4 sq mm	Meter	DWSD	
	3 core 6 sq mm	Meter	DWSD	
	3 core 10 sq mm	Meter	DWSD	
	3 core 16 sq mm	Meter	DWSD	
	3 core 25 sq mm	Meter	DWSD	
	3 core 35 sq mm	Meter	DWSD	
	<b>Copper conductor three core, XLPE / PVC insulated &amp; unarmoured cable .</b>		DWSD	
	Supplying XLPE / PVC insulated, unarmoured cable 1100 V grade with ISI mark Three core, solid / stranded copper conductor with 6 mm thick 25 mm width M.S. spacer with G.I. Earth wire 6 sq mm, complete in an approved manner.		DWSD	
	3 core 1.5 sq mm	Meter	DWSD	
	3 core 2.5 sq mm	Meter	DWSD	
	3 core 4 sq mm	Meter	DWSD	
	3 core 6 sq mm	Meter	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	3 core 10 sq mm	Meter	DWSD	
	3 core 16 sq mm	Meter	DWSD	
	3 core 25 sq mm	Meter	DWSD	
	3 core 35 sq mm	Meter	DWSD	
	3 core 50 sq mm	Meter	DWSD	
	3 core 70 sq mm	Meter	DWSD	
	3 core 95 sq mm	Meter	DWSD	
	<b>Copper conductor 3.5 core, XLPE / PVC insulated &amp; armoured cable .</b>		DWSD	
	Supplying XLPE / PVC insulated, armoured cable 1100 V grade with ISI mark 3.5 core, solid / stranded copper conductor with 6 mm thick 25 mm width M.S. spacer with G.I. Earth wire 6 sq mm, complete in an approved manner.		DWSD	
	3.5 core 1.5 sq mm	Meter	DWSD	
	3.5 core 2.5 sq mm	Meter	DWSD	
	3.5 core 4 sq mm	Meter	DWSD	
	3.5 core 6 sq mm	Meter	DWSD	
	3.5 core 10 sq mm	Meter	DWSD	
	3.5 core 16 sq mm	Meter	DWSD	
	3.5 core 25 sq mm	Meter	DWSD	
	3.5 core 35 sq mm	Meter	DWSD	
	3.5 core 50 sq mm	Meter	DWSD	
	3.5 core 70 sq mm	Meter	DWSD	
	3.5 core 95 sq mm	Meter	DWSD	
	3.5 core 120 sq mm	Meter	DWSD	
	3.5 core 150sq mm	Meter	DWSD	
	3.5 core 185 sq mm	Meter	DWSD	
	3.5 core 240sq mm	Meter	DWSD	
	3.5 core 300 sq mm	Meter	DWSD	
	3.5 core 400 sq mm	Meter	DWSD	
	<b>copper conductor 3.5 core XLPE/PVC unarmoured</b>		DWSD	
	Supplying XLPE / PVC insulated, unarmoured cable 1100 V grade with ISI mark 3.5 core, solid / stranded copper conductor with 6 mm thick 25 mm width M.S. spacer with G.I. Earth wire 6 sq mm, complete in an approved manner.		DWSD	
	3.5 core 25 sq mm	Meter	DWSD	
	3.5 core 35 sq mm	Meter	DWSD	
	3.5 core 50 sq mm	Meter	DWSD	
	3.5 core 70 sq mm	Meter	DWSD	
	3.5 core 95 sq mm	Meter	DWSD	
	3.5 core 120 sq mm	Meter	DWSD	
	3.5 core 150sq mm	Meter	DWSD	
	3.5 core 185 sq mm	Meter	DWSD	
	3.5 core 240sq mm	Meter	DWSD	
	3.5 core 300 sq mm	Meter	DWSD	
	3.5 core 400 sq mm	Meter	DWSD	
	<b>Copper conductor three core, XLPE / PVC insulated &amp; armoured cable .</b>	Meter	DWSD	
	Supplying XLPE / PVC insulated, armoured cable 1100 V grade with ISI mark Three core, solid / stranded copper conductor with 6 mm thick 25 mm width M.S. spacer with G.I. Earth wire 6 sq mm, complete in an approved manner.	Meter	DWSD	
	3 core 1.5 sq mm	Meter	DWSD	
	3 core 2.5 sq mm	Meter	DWSD	
	3 core 4 sq mm	Meter	DWSD	
	3 core 6 sq mm	Meter	DWSD	
	3 core 10 sq mm	Meter	DWSD	
	3 core 16 sq mm	Meter	DWSD	
	3 core 25 sq mm	Meter	DWSD	
	3 core 35 sq mm	Meter	DWSD	
	3 core 50 sq mm	Meter	DWSD	
	3 core 70 sq mm	Meter	DWSD	
	3 core 95 sq mm	Meter	DWSD	
	3 core 120 sq mm	Meter	DWSD	
	3 core 150sq mm	Meter	DWSD	
	3core 185 sq mm	Meter	DWSD	
	3 core 240 sq mm	Meter	DWSD	
	3 core 300 sq mm	Meter	DWSD	
	3 core 400 sq mm	Meter	DWSD	
M1063	<b>FOOT VALVE</b>		DWSD	
	<b>Foot valve</b>		DWSD	
	Supplying C.I. foot valve having single leather flap and gunmetal seating. Valve shall be fixed on suction side of pump as per requirement including jointing material and hardware.		DWSD	
	Flanged type		DWSD	
	50 mm	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	65 mm	Each	DWSD	
	80 mm	Each	DWSD	
	100 mm	Each	DWSD	
	125 mm	Each	DWSD	
	150 mm	Each	DWSD	
M1064	<b>Air Circuit Breaker</b>		DWSD	
	<b>ACB breaking capacity 50kA Thermal Magnetic Manual draw Out type 3 pole</b>		DWSD	
	630A	Each	DWSD	
	800A	Each	DWSD	
	1000A	Each	DWSD	
	1250A	Each	DWSD	
	1600A	Each	DWSD	
	2000A	Each	DWSD	
M1065	<b>STARTER</b>		DWSD	
	D.O.L. starter with SS Enclosure with 380/415 Volt coil		DWSD	
	7.5 H.P.	Each	DWSD	
	10 H.P.	Each	DWSD	
	Supplying Fully automatic star delta starter to operate induction motor working on 415v,3phase,50 hz with no volt coil, Over load element, ON-OFF push buttons, with necessary materials and connected to supply, etc complete starter with original sheet steel encloser		DWSD	
	<b>F.A.S.D starter</b>		DWSD	
	10.0 H.P.	Each	DWSD	
	15 H.P.	Each	DWSD	
	20 H.P.	Each	DWSD	
	25 H.P.	Each	DWSD	
	35 H.P.	Each	DWSD	
	40 HP	Each	DWSD	
	50 HP	Each	DWSD	
	75 H.P.	Each	DWSD	
	100 H.P.	Each	DWSD	
	125 H.P.	Each	DWSD	
	150 H.P.	Each	DWSD	
	250 H.P.	Each	DWSD	
M1066	<b>Servo Controlled Automatic Voltage Stabilizer</b>		DWSD	
	Providing, erecting Servo Controlled Automatic Voltage stabiliser suitable for out put voltage of 415 Volt +/-1%, 3 Ph, 50 Hz, with copper wound transformer (air/oil cooled) as mentioned below. The stabilizer shall function satisfactorily even if incoming supply is unbalanced between phases within range of 10%. The stabilizer should be constructed in cubical box, with bidirectional wheels for easy handling, necessary monitors and user's controls on front panel such as indication, alarm, volt meter and selector switch for measuring input and out put voltage, Auto/Manual selector switch, Raise/Low push buttons etc. Suitable capacity termination strips and bus bars for incoming and out going cable should be provided. All three phases shall be independently monitored and corrected. Following protections and indications shall be incorporated <input type="checkbox"/> Over Voltage / Under Voltage <input type="checkbox"/> Single Phasing <input type="checkbox"/> Cut off contactor with electronic output sensing unit		DWSD	
	<b>Servo Controlled Automatic Voltage Stabiliser(Out put 415 +/-1%) Input 150 to 450 Volt</b>		DWSD	
	20 kVA Air cooled		DWSD	
	25 kVA Air cooled		DWSD	
	30 kVA Air cooled		DWSD	
	40 kVA Air cooled		DWSD	
	50 kVA Oil cooled		DWSD	
	60 kVA Oil cooled		DWSD	
	75 kVA Oil cooled		DWSD	
	100 kVA Oil cooled		DWSD	
	125 kVA Oil cooled		DWSD	
	Servo Controlled Automatic Voltage Stabiliser (Out put 415 +/-1%) Input 280 to 460 Volt		DWSD	
	15 KVA Air cooled	Each	DWSD	
	20 KVA Air cooled	Each	DWSD	
	25 KVA Air cooled	Each	DWSD	
	30 KVA Air cooled	Each	DWSD	
	40 kVA Air cooled	Each	DWSD	
	50KVA Air cooled	Each	DWSD	
	60 KVA Oil cooled	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	75KVA Oil cooled	Each	DWSD	
	100 KVA Oil cooled	Each	DWSD	
	125 kVA Oil cooled	Each	DWSD	
	150 KVA oil cooled	Each	DWSD	
	200KVA oil cooled	Each	DWSD	
	250KVA oil cooled	Each	DWSD	
	300 KVA oil cooled	Each	DWSD	
	400 KVA oil cooled	Each	DWSD	
M1067	<b>Termination Kit</b>		DWSD	
	Providing and erecting IN-DOOR type termination kit, for 3.3kV/ 6.6 kV / 11kV/ 22kV/33kV XLPE Screened 3 core cable		DWSD	
	IN-DOOR Termination KIT for 3.3kV(E/UE) / 6.6 kV(E) XLPE 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	
	70-120 mm <sup>2</sup>	Each	DWSD	
	150-185 mm <sup>2</sup>	Each	DWSD	
	240-400 mm <sup>2</sup>	Each	DWSD	
	OUT-DOOR Termination KIT for 3.3(E/UE)/6.6 KV(E) XLPE 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	
	70-120 mm <sup>2</sup>	Each	DWSD	
	150-185 mm <sup>2</sup>	Each	DWSD	
	240-400 mm <sup>2</sup>	Each	DWSD	
	Straight through Joint for 3.3KV(E/UE)/ 6.6 KV(E) XLPE 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	
	70-120 mm <sup>2</sup>	Each	DWSD	
	150-185 mm <sup>2</sup>	Each	DWSD	
	240-300 mm <sup>2</sup>	Each	DWSD	
	IN DOOR Termination KIT for 11KV(E) XLPE Screened 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	
	70-120 mm <sup>2</sup>	Each	DWSD	
	150-185 mm <sup>2</sup>	Each	DWSD	
	240-400 mm <sup>2</sup>	Each	DWSD	
	OUT DOOR Termination KIT for 11KV(E) XLPE Screened 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	
	70-120 mm <sup>2</sup>	Each	DWSD	
	150-185 mm <sup>2</sup>	Each	DWSD	
	240-400 mm <sup>2</sup>	Each	DWSD	
	Straight through Joint for 11 KV(E) XLPE Screened 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	
	70-120 mm <sup>2</sup>	Each	DWSD	
	150-185 mm <sup>2</sup>	Each	DWSD	
	240-300 mm <sup>2</sup>	Each	DWSD	
	IN DOOR Termination KIT for 22KV(E) XLPE Screened 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	
	70-120 mm <sup>2</sup>	Each	DWSD	
	150-185 mm <sup>2</sup>	Each	DWSD	
	240-400 mm <sup>2</sup>	Each	DWSD	
	OUT DOOR Termination KIT for 22KV(E) XLPE Screened 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	
	70-120 mm <sup>2</sup>	Each	DWSD	
	150-185 mm <sup>2</sup>	Each	DWSD	
	240-400 mm <sup>2</sup>	Each	DWSD	
	Straight through Joint for 22 KV(E) XLPE Screened 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	
	70-95 mm <sup>2</sup>	Each	DWSD	
	120-150 mm <sup>2</sup>	Each	DWSD	
	185-240 mm <sup>2</sup>	Each	DWSD	
	300-400 mm <sup>2</sup>	Each	DWSD	
	IN DOOR Termination KIT for 33KV(E) XLPE Screened 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	
	70-95 mm <sup>2</sup>	Each	DWSD	
	120-185 mm <sup>2</sup>	Each	DWSD	
	240-400 mm <sup>2</sup>	Each	DWSD	
	OUT DOOR Termination KIT for 33 KV(E) XLPE Screened 3 core cable		DWSD	
	25-50 mm <sup>2</sup>	Each	DWSD	

Identity Number	Description	Unit	Nodal Department	Remarks
	70-95 mm <sup>2</sup>	Each	DWSD	
	120-185 mm <sup>2</sup>	Each	DWSD	
	240-400 mm <sup>2</sup>	Each	DWSD	
	Straight through Joint for 33 KV(E) XLPE Screened 3 core cable		DWSD	
	35-70 mm <sup>2</sup>	Each	DWSD	
	95-150 mm <sup>2</sup>	Each	DWSD	
	185-300 mm <sup>2</sup>	Each	DWSD	
	400 mm <sup>2</sup>	Each	DWSD	

### List of Plant & Machineries

Identity Number	Description of Machine	Activity	Output of Machine	Output	Unit	Rate	Nodal department
PM140	Carrier Truck, Compressor & Rig Mounting	DT	CFM/PSI	600 CFM / 200 PSI	Meter		DWSD
PM141	T.C. Button Bits	DT		115mm			DWSD
PM142	Hammer	DT		Suitable size	Hour		DWSD
PM143	Winch & Rotation motor	DT		Suitable size			DWSD
PM144	Drilling Rod	DT		Suitable size			DWSD
PM145	Baby Grinder	DT		Suitable size			DWSD
PM146	Over Burden Bit	DT		150mm			DWSD
PM147	Carrier Truck, Compressor & Rig Mounting	HYDT	CFM/PSI	1200 CFM /350 PSI	Meter		DWSD
PM148	T.C. Button Bits	HYDT		165mm			DWSD
PM149	Hammer	HYDT		Suitable size	Hour		DWSD
PM150	Winch & Rotation motor	HYDT		Suitable size			DWSD
PM151	Drilling Rod	HYDT		Suitable size			DWSD
PM152	Baby Grinder	HYDT		Suitable size			DWSD
PM153	Over Burden Bit	HYDT		300mm			DWSD
PM154	Rig Machine with Mud Pump	HYGPT		400mm dia x 500 feet depth	Meter		DWSD
PM155	Drilling Rod	HYGPT		4" dia length 20 feet			DWSD

PM156	R.R bit, Clay bit, Drag bit with all accessories	HYGPT		Suitable size			DWSD
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