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1. No contents/terms of this rate contract shall be disclosed to any unauthorized person/persons.
2. The duly authorized Deptts., Institutions/Bodies can only make the purchases against this rate contract. This contract is neither meant for the use of private parties nor it can be put into personal use by any Government officer.
3. While making correspondence, the number and date of this rate contract may invariably be quoted.

TELEGRAM-HIMSTORE SHIMLA TELEPHONE 2812613 FAX 2650657

Addl. Controller of Stores.
Registered

RATE CONTRACT NO. 4-IND/SP-3(M-11)(03)29/2008(29) DATED :25/10/08

To

1.	M/s Sumer Chand & Sons, Wazirpur I.A., Delhi.
2.	M/s Alpha Trading Corpn. Jalandhar.
3.	M/s Star Filtration Systems Tirlokpur Road Kala Amb.

Subject: Rate contract for the supply of All Welded Stainless Steel Cage type V-Wire Wound Screen and All Welded Low Carbon Galvanized Cage Type Wire Wound Screen, Stainless Steel, Hand Pump Guard Jacket.

Validity: The validity of this rate contract will remain in force upto 30/07/2009.

Dear Sirs,

In continuation of this office acceptance letter No. 4-Ind/SP-2(M-11)(03)34/2008 dated 17/10/2008, it is to inform you that your rates are finally approved in respect of the items detailed in the enclosed schedule "A" on the terms and conditions specified therein as also in the schedule "B" & "C".

Yours faithfully,

Sd-

Addl. Controller of Stores,
Himachal Pradesh.

Encl: As above

On behalf of Governor of Himachal Pradesh.

Endst.No.4-IND/SP-3(M-11)(03)29/2008(29)DATED : 25/10/2008

Copy of the above is sent for information and necessary action to:-

1. All the Administrative Secretaries,H.P.,Shimla-2.

2. All the Heads of Departments/Managing Directors of Corporations/Heads of Boards and Autonomous Bodies/Deputy Commissioners, alongwith two spare copies.
3. All the Direct Demanding Officers in H.P.
4. Dy. Director of Industries(SP), Director of Industries,
5. Section Officer (F&A) Store Purchase Organisation.
6. Supdt.Gr.I (SP)/Tender Section/Sample Asstt. and Computer Cell Store Purchase Organisation.
7. P.A to the Addl. Controller of Stores, H.P. Shimla-1.

Sd-
Addl. Controller of Stores
Himachal Pradesh.

SCHEDULE "A"**Rate Contract****(ON ANNUAL RATE CONTRACT BASIS VALID UPTO 30-07-2009)**

SCHEDULE OF RATES TO RATE CONTRACT NO. 4-IND/SP-3(M-11)(03)29/2008 (29) TENDER CODE NO: M-11(03), OPENED ON 16/07/2008 FOR THE SUPPLY OF : All Welded Stainless Steel Cage type V-Wire Wound Screen and All Welded Low Carbon Galvanized Cage Type Wire Wound Screen, Stainless Steel, Hand Pump Guard Jacket.

To

1. M/s Sumer Chand & Sons,
Wazirpur I.A., Delhi.

ITEM CODE	GENERAL DESCRIPTION / ISI SPECIFICATION	RATE (Rs.)	UNIT
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- I. All Welded Stainless Steel Cage type V-Wire Wound Screen Size 50 mm, Thickness 4.00 mm End ring thickness 5.00 mm for the following slot sizes :-

M1103001001	0.15 mm	4128	Per metre
M1103001002	0.20 mm	4054	-do-
M1103001003	0.25 mm	4009	-do-
M1103001004	0.50 mm	3990	-do-
M1103001005	0.75 mm	3970	-do-
M1103001006	1.00 mm	3930	-do-
M1103001007	1.50 mm	3891	-do-
M1103001008	2.00 mm	3841	-do-
M1103001009	3.00 mm	3646.50	-do-

- Screen Size 75 mm, OD=86.50 mm Thickness 5.20 mm Tensile load, 49.05 KN, End ring thickness 5.00 mm for the following slot sizes :-

M1103001010	0.15 mm	6286	Per metre
M1103001011	0.20 mm	6252	-do-
M1103001012	0.25 mm	6163	-do-
M1103001013	0.50 mm	6128	-do-
M1103001014	0.75 mm	6054	-do-
M1103001015	1.00 mm	5668	-do-
M1103001016	1.50 mm	5549	-do-
M1103001017	2.00 mm	5425	-do-
M1103001018	3.00 mm	5272	-do-

- Screen Size 100 mm, OD=111 mm Thickness 5.00 mm Tensile load, 78.48 KN, End ring thickness 5.00 mm for the following slot sizes :-

M1103001019	0.15 mm	7098	Per metre
M1103001020	0.20 mm	6975	-do-
M1103001021	0.25 mm	6866	-do-

M1103001022	0.50 mm	6470	-do-
M1103001023	0.75 mm	6118	-do-
M1103001024	1.00 mm	5886	-do-
M1103001025	1.50 mm	5618	-do-
M1103001026	2.00 mm	5524	-do-
M1103001027	3.00 mm	5318	-do-

Screen Size 150 mm, OD=163 mm Thickness 5.00 mm Tensile load, 107.9 KN, End ring thickness 6.00 mm for the following slot sizes :-

M1103001028	0.15 mm	8400	Per metre
M1103001029	0.20 mm	8286	-do-
M1103001030	0.25 mm	8029	-do-
M1103001031	0.50 mm	7875	-do-
M1103001032	0.75 mm	7717	-do-
M1103001033	1.00 mm	7400	-do-
M1103001034	1.50 mm	6806	-do-
M1103001035	2.00 mm	6222	-do-
M1103001036	3.00 mm	5851	-do-

Screen Size 150 mm, OD=165.5 mm Thickness 6.30 mm Tensile load, 137.34 KN, End ring thickness 7.00 mm for the following slot sizes :-

M1103001037	0.15 mm	10875	Per metre
M1103001038	0.20 mm	10751	-do-
M1103001039	0.25 mm	10662	-do-
M1103001040	0.50 mm	10192	-do-
M1103001041	0.75 mm	9756	-do-
M1103001042	1.00 mm	9019	-do-
M1103001043	1.50 mm	8148	-do-
M1103001044	2.00 mm	7613	-do-
M1103001045	3.00 mm	6851	-do-

Screen Size 200 mm, OD=217.50 mm Thickness 6.30 mm Tensile load, 186.39 KN, End ring thickness 7.00 mm for the following slot sizes :-

M1103001046	0.15 mm	14122	Per metre
M1103001047	0.20 mm	14008	-do-
M1103001048	0.25 mm	13454	-do-
M1103001049	0.50 mm	12726	-do-
M1103001050	0.75 mm	12123	-do-
M1103001051	1.00 mm	11722	-do-
M1103001052	1.50 mm	11118	-do-
M1103001053	2.00 mm	10355	-do-
M1103001054	3.00 mm	9182	-do-

Screen Size 200 mm, OD=221.00 mm Thickness 8.00 mm Tensile load, 264.87 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001055	0.15 mm	18805	Per metre
M1103001056	0.20 mm	18538	-do-
M1103001057	0.25 mm	18404	-do-
M1103001058	0.50 mm	17815	-do-
M1103001059	0.75 mm	15835	-do-

M1103001060	1.00 mm	15291	-do-
M1103001061	1.50 mm	14662	-do-
M1103001062	2.00 mm	13731	-do-
M1103001063	3.00 mm	12261	-do-

Screen Size 250 mm, OD=271.00 mm Thickness 7.30 mm Tensile load, 235.44 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001064	0.15 mm	22270	Per metre
M1103001065	0.20 mm	22201	-do-
M1103001066	0.25 mm	21909	-do-
M1103001067	0.50 mm	21627	-do-
M1103001068	0.75 mm	21567	-do-
M1103001069	1.00 mm	20740	-do-
M1103001070	1.50 mm	19671	-do-
M1103001071	2.00 mm	18261	-do-
M1103001072	3.00 mm	16464	-do-

Screen Size 250 mm, OD=272.50 mm Thickness 8.20 mm Tensile load, 243.35 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001073	0.15 mm	26948	Per metre
M1103001074	0.20 mm	26874	-do-
M1103001075	0.25 mm	26166	-do-
M1103001076	0.50 mm	24730	-do-
M1103001077	0.75 mm	23230	-do-
M1103001078	1.00 mm	21745	-do-
M1103001079	1.50 mm	20122	-do-
M1103001080	2.00 mm	17568	-do-
M1103001081	3.00 mm	16414	-do-

Screen Size 300 mm, OD=322.00 mm Thickness 8.00 mm Tensile load, 392.4 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001082	0.15 mm	27606	Per metre
M1103001083	0.20 mm	27586	-do-
M1103001084	0.25 mm	27398	-do-
M1103001085	0.50 mm	26418	-do-
M1103001086	0.75 mm	25636	-do-
M1103001087	1.00 mm	24542	-do-
M1103001088	1.50 mm	23918	-do-
M1103001089	2.00 mm	22745	-do-
M1103001090	3.00 mm	21513	-do-

Screen Size 300 mm, OD=330.00 mm Thickness 12.00 mm Tensile load 578.79 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001091	0.15 mm	35491	Per metre
M1103001092	0.20 mm	34581	-do-
M1103001093	0.25 mm	33521	-do-
M1103001094	0.50 mm	32185	-do-
M1103001095	0.75 mm	31650	-do-

M1103001096	1.00 mm	31180	-do-
M1103001097	1.50 mm	29670	-do-
M1103001098	2.00 mm	28106	-do-
M1103001099	3.00 mm	26225	-do-

II-Stainless steel socket packer in length of 140 mm thickness 8.00 mm for the following screen sizes:

M1103002001	75 mm	1752	Each
M1103002002	100 mm	2029	-do-
M1103002003	150 mm	2916	-do-
M1103002004	200 mm	3638	-do-
M1103002005	250 mm	4717	-do-
M1103002006	300 mm	5663	-do-

III- All Welded Stainless Steel socket Packer cage type V-Wire Wound Screen jacket suitable to be screwed with India mark and pump cylinder for the following sizes:-

M1103003001	Screen Size 50 mm, OD=60 mm Thickness 4.00 mm Tensile load 39.24 KN.	5510.00	Per metre
M1103003002	Screen Size 75 mm, OD=86.5 mm Thickness 5.20 mm Tensile load 49.05 KN.	7284.42	-do-
M1103003003	Screen Size 100 mm, OD=111 mm Thickness 5.00 mm Tensile load 78.48 KN.	8832.36	-do-

IV. All Welded Stainless Steel socket Packer cage type V-Wire Wound Screen pump guard jacket for the following sizes:-

Item Code	Size	OD	Thickness	Tensile Load KN	Rate (Rs.)	Per metre
M1103004001	100 mm	111.00	5.00	78.48	11837.18	-do-
M1103004002	150 mm	163.00	5.00	107.91	16845.22	-do-
M1103004003	150 mm	165.50	6.30	137.34	19667.93	-do-
M1103004004	200 mm	217.50	6.30	186.39	20487.43	-do-
M1103004005	200 mm	221.00	8.00	264.87	24129.64	-do-
M1103004006	250 mm	271.00	7.30	235.44	30958.79	-do-
M1103004007	250 mm	272.50	8.20	343.35	36012.35	-do-

V. All Welded Low carbon Galvanized Cage type V-Wire Wound Screen Size 75 mm, OD=88.00 mm, Thickness 6.00 mm, Tensile load, 39.74 KN, End ring thickness 5.40 mm for the following slot sizes :-

M1103005010	0.15 mm	2267	Per metre
M1103005011	0.20 mm	2218	-do-
M1103005012	0.25 mm	2193	-do-
M1103005013	0.50 mm	2173	-do-
M1103005014	0.75 mm	2124	-do-
M1103005015	1.00 mm	1965	-do-
M1103005016	1.50 mm	1747	-do-
M1103005017	2.00 mm	1772	-do-

M1103005018	3.00 mm	1698	-do-
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Screen Size 100 mm, OD=113.00 mm Thickness 6.00 mm Tensile load 49.05 KN, End ring thickness 5.40 mm for the following slot sizes :-

M1103005019	0.15 mm	2500	Per metre
M1103005020	0.20 mm	2465	-do-
M1103005021	0.25 mm	2455	-do-
M1103005022	0.50 mm	2331	-do-
M1103005023	0.75 mm	2173	-do-
M1103005024	1.00 mm	2064	-do-
M1103005025	1.50 mm	1836	-do-
M1103005026	2.00 mm	1797	-do-
M1103005027	3.00 mm	1772	-do-

Screen Size 150 mm, OD=165.00 mm Thickness 6.00 mm Tensile load 58.86 KN, End ring thickness 6.40 mm for the following slot sizes :-

M1103005028	0.15 mm	3257	Per metre
M1103005029	0.20 mm	3153	-do-
M1103005030	0.25 mm	3133	-do-
M1103005031	0.50 mm	3000	-do-
M1103005032	0.75 mm	2841	-do-
M1103005033	1.00 mm	2589	-do-
M1103005034	1.50 mm	2322	-do-
M1103005035	2.00 mm	2089	-do-
M1103005036	3.00 mm	1945	-do-

Screen Size 150 mm, OD=167.00 mm Thickness 7.00 mm Tensile load 98.10 KN, End ring thickness 6.40 mm for the following slot sizes :-

M1103005037	0.15 mm	3376	Per metre
M1103005038	0.20 mm	3302	-do-
M1103005039	0.25 mm	3252	-do-
M1103005040	0.50 mm	3148	-do-
M1103005041	0.75 mm	3044	-do-
M1103005042	1.00 mm	2718	-do-
M1103005043	1.50 mm	2495	-do-
M1103005044	2.00 mm	2322	-do-
M1103005045	3.00 mm	2128	-do-

Screen Size 200 mm, OD=219.00 mm Thickness 7.00 mm Tensile load 137.34 KN, End ring thickness 6.40 mm for the following slot sizes :-

M1103005046	0.15 mm	4915	Per metre
M1103005047	0.20 mm	4846	-do-
M1103005048	0.25 mm	4698	-do-
M1103005049	0.50 mm	4529	-do-
M1103005050	0.75 mm	4391	-do-
M1103005051	1.00 mm	3955	-do-
M1103005052	1.50 mm	3693	-do-
M1103005053	2.00 mm	3252	-do-
M1103005054	3.00 mm	3015	-do-

Screen Size 200 mm, OD=221.00 mm Thickness 8.00 mm Tensile load 137.34 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005055	0.15 mm	5851	Per metre
M1103005056	0.20 mm	5782	-do-
M1103005057	0.25 mm	5707	-do-
M1103005058	0.50 mm	5123	-do-
M1103005059	0.75 mm	4767	-do-
M1103005060	1.00 mm	4500	-do-
M1103005061	1.50 mm	4232	-do-
M1103005062	2.00 mm	3876	-do-
M1103005063	3.00 mm	3722	-do-

Screen Size 250 mm, OD=272.00 mm Thickness 8.00 mm Tensile load 176.58 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005064	0.15 mm	6905	Per metre
M1103005065	0.20 mm	6781	-do-
M1103005066	0.25 mm	6727	-do-
M1103005067	0.50 mm	6450	-do-
M1103005068	0.75 mm	6064	-do-
M1103005069	1.00 mm	5747	-do-
M1103005070	1.50 mm	5341	-do-
M1103005071	2.00 mm	4935	-do-
M1103005072	3.00 mm	4371	-do-

Screen Size 250 mm, OD=276.00 mm Thickness 10.00 mm Tensile load 176.58 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005073	0.15 mm	8262	Per metre
M1103005074	0.20 mm	8163	-do-
M1103005075	0.25 mm	8039	-do-
M1103005076	0.50 mm	7732	-do-
M1103005077	0.75 mm	7400	-do-
M1103005078	1.00 mm	6895	-do-
M1103005079	1.50 mm	6539	-do-
M1103005080	2.00 mm	6282	-do-
M1103005081	3.00 mm	5767	-do-

Screen Size 300 mm, OD=322.00 mm Thickness 8.00 mm Tensile load 206.01 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005082	0.15 mm	8489	Per metre
M1103005083	0.20 mm	8420	-do-
M1103005084	0.25 mm	8390	-do-
M1103005085	0.50 mm	8172	-do-
M1103005086	0.75 mm	7668	-do-
M1103005087	1.00 mm	7034	-do-
M1103005088	1.50 mm	6727	-do-
M1103005089	2.00 mm	6470	-do-
M1103005090	3.00 mm	5985	-do-

Screen Size 300 mm, OD=326.10 mm Thickness 10.00 mm Tensile load 206.01 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005091	0.15 mm	11034	Per metre
M1103005092	0.20 mm	10895	-do-
M1103005093	0.25 mm	10727	-do-
M1103005094	0.50 mm	10326	-do-
M1103005095	0.75 mm	10068	-do-
M1103005096	1.00 mm	9648	-do-
M1103005097	1.50 mm	8757	-do-
M1103005098	2.00 mm	8266	-do-
M1103005099	3.00 mm	7440	-do-

VI. MS Socket Packer in length of 140 mm thickness 10 mm for the following screen sizes:-

M1103006000	75 mm	336.38	Each
M1103006001	100 mm	414.38	-do-
M1103006002	150 mm	624.00	-do-
M1103006003	200 mm	823.88	-do-
M1103006004	250 mm	1028.63	-do-
M1103006005	300 mm	1204.13	-do-

2. M/s Alpha Trading Corporation,
Plot No-35, Transport Nagar, Jalandhar.

ITEM CODE	GENERAL DESCRIPTION / ISI SPECIFICATION	RATE (Rs.)	UNIT
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I. All Welded Stainless Steel Cage type V-Wire Wound Screen Size 150 mm, OD=163 mm Thickness 5.00 mm Tensile load, 107.9 KN, End ring thickness 6.00 mm for the following slot sizes :-

M1103001031	0.50 mm	7875	-do-
M1103001032	0.75 mm	7717	-do-
M1103001033	1.00 mm	7400	-do-

Screen Size 150 mm, OD=165.5 mm Thickness 6.30 mm Tensile load, 137.34 KN, End ring thickness 7.00 mm for the following slot sizes :-

M1103001040	0.50 mm	10192	-do-
M1103001041	0.75 mm	9756	-do-
M1103001042	1.00 mm	9019	-do-

Screen Size 200 mm, OD=217.50 mm Thickness 6.30 mm Tensile load, 186.39 KN, End ring thickness 7.00 mm for the following slot sizes :-

M1103001049	0.50 mm	12726	-do-
M1103001050	0.75 mm	12123	-do-
M1103001051	1.00 mm	11722	-do-

Screen Size 200 mm, OD=221.00 mm Thickness 8.00 mm Tensile load, 264.87 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001058	0.50 mm	17815	-do-
M1103001059	0.75 mm	15835	-do-
M1103001060	1.00 mm	15291	-do-

Screen Size 250 mm, OD=271.00 mm Thickness 7.30 mm Tensile load, 235.44 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001067	0.50 mm	21627	-do-
M1103001070	1.50 mm	19671	-do-

Screen Size 250 mm, OD=272.50 mm Thickness 8.20 mm Tensile load, 243.35 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001076	0.50 mm	24730	-do-
M1103001079	1.50 mm	20122	-do-

Screen Size 300 mm, OD=322.00 mm Thickness 8.00 mm Tensile load, 392.4 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001085	0.50 mm	26418	-do-
M1103001086	0.75 mm	25636	-do-
M1103001087	1.00 mm	24542	-do-

Screen Size 300 mm, OD=330.00 mm Thickness 12.00 mm Tensile load 578.79 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001094	0.50 mm	32185	-do-
M1103001095	0.75 mm	31650	-do-
M1103001096	1.00 mm	31180	-do-

II-Stainless steel socket packer in length of 140 mm thickness 8.00 mm for the following screen sizes:

M1103002001	75 mm	1752	Each
M1103002002	100 mm	2029	-do-
M1103002003	150 mm	2916	-do-
M1103002004	200 mm	3638	-do-
M1103002005	250 mm	4717	-do-
M1103002006	300 mm	5663	-do-

III- All Welded Stainless Steel socket Packer cage type V-Wire Wound Screen jacket suitable to be screwed with India mark and pump cylinder for the following sizes:-

M1103003001	Screen Size 50 mm, OD=60 mm Thickness 4.00 mm Tensile load 39.24 KN.	5510.00	Per metre
M1103003002	Screen Size 75 mm, OD=86.5 mm Thickness 5.20 mm Tensile load 49.05 KN.	7284.42	-do-
M1103003003	Screen Size 100 mm, OD=111 mm Thickness 5.00 mm Tensile load 78.48 KN.	8832.36	-do-

- IV. All Welded Stainless Steel socket Packer cage type V-Wire Wound Screen pump guard jacket for the following sizes:-

Item Code	Size	OD	Thickness	Tensile Load KN	Rate (Rs.)	Per metre
M1103004001	100 mm	111.00	5.00	78.48	11837.18	-do-
M1103004002	150 mm	163.00	5.00	107.91	16845.22	-do-
M1103004003	150 mm	165.50	6.30	137.34	19667.93	-do-
M1103004004	200 mm	217.50	6.30	186.39	20487.43	-do-
M1103004005	200 mm	221.00	8.00	264.87	24129.64	-do-
M1103004006	250 mm	271.00	7.30	235.44	30958.79	-do-
M1103004007	250 mm	272.50	8.20	343.35	36012.35	-do-

- V. All Welded Low carbon Galvanized Cage type V-Wire Wound Screen Size 150 mm, OD=165.00 mm Thickness 6.00 mm Tensile load 58.86 KN, End ring thickness 6.40 mm for the following slot sizes :-

M1103005031	0.50 mm	3000	-do-
M1103005032	0.75 mm	2841	-do-
M1103005033	1.00 mm	2589	-do-
M1103005034	1.50 mm	2322	-do-
M1103005035	2.00 mm	2089	-do-

Screen Size 150 mm, OD=167.00 mm Thickness 7.00 mm Tensile load 98.10 KN, End ring thickness 6.40 mm for the following slot sizes :-

M1103005040	0.50 mm	3148	-do-
M1103005041	0.75 mm	3044	-do-
M1103005042	1.00 mm	2718	-do-
M1103005043	1.50 mm	2495	-do-
M1103005044	2.00 mm	2322	-do-

Screen Size 200 mm, OD=219.00 mm Thickness 7.00 mm Tensile load 137.34 KN, End ring thickness 6.40 mm for the following slot sizes :-

M1103005049	0.50 mm	4529	-do-
M1103005050	0.75 mm	4391	-do-
M1103005051	1.00 mm	3955	-do-
M1103005052	1.50 mm	3693	-do-
M1103005053	2.00 mm	3252	-do-

Screen Size 200 mm, OD=221.00 mm Thickness 8.00 mm Tensile load 137.34 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005058	0.50 mm	5123	-do-
M1103005059	0.75 mm	4767	-do-
M1103005060	1.00 mm	4500	-do-
M1103005061	1.50 mm	4232	-do-
M1103005062	2.00 mm	3876	-do-

Screen Size 250 mm, OD=272.00 mm Thickness 8.00 mm Tensile load 176.58 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005067	0.50 mm	6450	-do-
M1103005070	1.50 mm	5341	-do-

Screen Size 250 mm, OD=276.00 mm Thickness 10.00 mm Tensile load 176.58 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005076	0.50 mm	7732	-do-
M1103005079	1.50 mm	6539	-do-

Screen Size 300 mm, OD=322.00 mm Thickness 8.00 mm Tensile load 206.01 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005085	0.50 mm	8172	-do-
M1103005086	0.75 mm	7668	-do-
M1103005087	1.00 mm	7034	-do-
M1103005088	1.50 mm	6727	-do-

Screen Size 300 mm, OD=326.10 mm Thickness 10.00 mm Tensile load 206.01 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005094	0.50 mm	10326	-do-
M1103005095	0.75 mm	10068	-do-
M1103005096	1.00 mm	9648	-do-
M1103005097	1.50 mm	8757	-do-

VI. MS Socket Packer in length of 140 mm thickness 10 mm for the following screen sizes:-

M1103006000	75 mm	336.38	Each
M1103006001	100 mm	414.38	-do-
M1103006002	150 mm	624.00	-do-
M1103006003	200 mm	823.88	-do-
M1103006004	250 mm	1028.63	-do-
M1103006005	300 mm	1204.13	-do-

3. M/s Star Filtration Systems,
Tirlokpur Road Kala Amb, Himachal Pradesh.

ITEM CODE	GENERAL DESCRIPTION / ISI SPECIFICATION	RATE (Rs.)	UNIT
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I. All Welded Stainless Steel Cage type V-Wire Wound Screen Size 75 mm, OD=86.50 mm Thickness 5.20 mm Tensile load, 49.05 KN, End ring thickness 5.00 mm for the following slot sizes :-

M1103001014	0.75 mm	6054	-do-
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Screen Size 100 mm, OD=111 mm Thickness 5.00 mm Tensile load, 78.48 KN, End ring thickness 5.00 mm for the following slot sizes :-

M1103001024	1.00 mm	5886	-do-
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Screen Size 150 mm, OD=163 mm Thickness 5.00 mm Tensile load, 107.9 KN, End ring thickness 6.00 mm for the following slot sizes :-

M1103001032	0.75 mm	7717	-do-
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Screen Size 150 mm, OD=165.5 mm Thickness 6.30 mm Tensile load, 137.34 KN, End ring thickness 7.00 mm for the following slot sizes :-

M1103001041	0.75 mm	9756	-do-
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Screen Size 200 mm, OD=217.50 mm Thickness 6.30 mm Tensile load, 186.39 KN, End ring thickness 7.00 mm for the following slot sizes :-

M1103001050	0.75 mm	12123	-do-
M1103001051	1.00 mm	11722	-do-
M1103001052	1.50 mm	11118	-do-

Screen Size 200 mm, OD=221.00 mm Thickness 8.00 mm Tensile load, 264.87 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001059	0.75 mm	15835	-do-
M1103001060	1.00 mm	15291	-do-
M1103001061	1.50 mm	14662	-do-

Screen Size 300 mm, OD=322.00 mm Thickness 8.00 mm Tensile load, 392.4 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001087	1.00 mm	24542	-do-
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Screen Size 300 mm, OD=330.00 mm Thickness 12.00 mm Tensile load 578.79 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103001096	1.00 mm	31180	-do-
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II-Stainless steel socket packer in length of 140 mm thickness 8.00 mm for the following screen sizes:

M1103002001	75 mm	1752	Each
M1103002002	100 mm	2029	-do-
M1103002003	150 mm	2916	-do-
M1103002004	200 mm	3638	-do-
M1103002005	250 mm	4717	-do-
M1103002006	300 mm	5663	-do-

III- All Welded Stainless Steel socket Packer cage type V-Wire Wound Screen jacket suitable to be screwed with India mark and pump cylinder for the following sizes:-

M1103003001	Screen Size 50 mm, OD=60 mm Thickness 4.00 mm Tensile load 39.24 KN.	5510.00	Per metre
M1103003002	Screen Size 75 mm, OD=86.5 mm Thickness 5.20 mm Tensile load 49.05 KN.	7284.42	-do-

M1103003003	Screen Size 100 mm, OD=111 mm Thickness 5.00 mm Tensile load 78.48 KN.	8832.36	-do-
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IV. All Welded Stainless Steel socket Packer cage type V-Wire Wound Screen pump guard jacket for the following sizes:-

Item Code	Size	OD	Thickness	Tensile Load KN	Rate (Rs.)	Per metre
M1103004001	100 mm	111.00	5.00	78.48	11837.18	-do-
M1103004002	150 mm	163.00	5.00	107.91	16845.22	-do-
M1103004003	150 mm	165.50	6.30	137.34	19667.93	-do-
M1103004004	200 mm	217.50	6.30	186.39	20487.43	-do-
M1103004005	200 mm	221.00	8.00	264.87	24129.64	-do-
M1103004006	250 mm	271.00	7.30	235.44	30958.79	-do-
M1103004007	250 mm	272.50	8.20	343.35	36012.35	-do-

V. All Welded Low carbon Galvanized Cage type V-Wire Wound Screen Size 150 mm, OD=165.00 mm Thickness 6.00 mm Tensile load 58.86 KN, End ring thickness 6.40 mm for the following slot sizes :-

M1103005031	0.50 mm	3000	-do-
M1103005032	0.75 mm	2841	-do-
M1103005033	1.00 mm	2589	-do-
M1103005034	1.50 mm	2322	-do-

Screen Size 150 mm, OD=167.00 mm Thickness 7.00 mm Tensile load 98.10 KN, End ring thickness 6.40 mm for the following slot sizes :-

M1103005040	0.50 mm	3148	-do-
M1103005041	0.75 mm	3044	-do-
M1103005042	1.00 mm	2718	-do-
M1103005043	1.50 mm	2495	-do-

Screen Size 200 mm, OD=219.00 mm Thickness 7.00 mm Tensile load 137.34 KN, End ring thickness 6.40 mm for the following slot sizes :-

M1103005050	0.75 mm	4391	-do-
M1103005051	1.00 mm	3955	-do-
M1103005052	1.50 mm	3693	-do-

Screen Size 200 mm, OD=221.00 mm Thickness 8.00 mm Tensile load 137.34 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005059	0.75 mm	4767	-do-
M1103005060	1.00 mm	4500	-do-
M1103005061	1.50 mm	4232	-do-

Screen Size 250 mm, OD=272.00 mm Thickness 8.00 mm Tensile load 176.58 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005067	0.50 mm	6450	-do-
M1103005069	1.00 mm	5747	-do-

Screen Size 250 mm, OD=276.00 mm Thickness 10.00 mm Tensile load 176.58 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005076	0.50 mm	7732	-do-
M1103005078	1.00 mm	6895	-do-

Screen Size 300 mm, OD=322.00 mm Thickness 8.00 mm Tensile load 206.01 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005087	1.00 mm	7034	-do-
M1103005086	0.75 mm	7668	-do-

Screen Size 300 mm, OD=326.10 mm Thickness 10.00 mm Tensile load 206.01 KN, End ring thickness 8.00 mm for the following slot sizes :-

M1103005095	0.75 mm	10068	-do-
M1103005096	1.00 mm	9648	-do-

VI. MS Socket Packer in length of 140 mm thickness 10 mm for the following screen sizes:-

M1103006000	75 mm	336.38	Each
M1103006001	100 mm	414.38	-do-
M1103006002	150 mm	624.00	-do-
M1103006003	200 mm	823.88	-do-
M1103006004	250 mm	1028.63	-do-
M1103006005	300 mm	1204.13	-do-

The detailed description and specifications for above items I to VI are as under:-

I & II Item code M1103001001 to M1103002006:-

ISI marked Electric Resistance Welded (ERW) Stainless Steel Cage Type "V" wire wound screens as per IS: 8110-2000 as amended up-to-date. Screen and material specifications as per AISI (American Iron and Steel Inst) Type grades SS-304. Screen will be of continuous trapezoidal wire spirally wound around fabricated cage. The wrapping wire having a "v" shaped (Wedge) profile wire with flat surface on the outside and producing expanding slots on the inside of various dimensions. Resistance welded to a cylindrical body made of number of longitudinal special high tensile support rods to provide smooth unrestricted bore which are in turn welded into cylindrical ring couplings at either end for duly screwed end ring /flange/packer as per requirement for all nominal bore of given screen size.

1. Screen will have evenly distributed continuous slot openings so that it has maximum open area for minimum turbulence and loss of energy. As per clause 8.3.3.3 & 8.3.3.4.
2. Slot should be smooth, clean edges rounded off so that it gives better hydraulic performance and may reduce the rate of corrosion and encrustation.
3. The inwardly widening slot will be non-clogging so that sediment has only point contact with should give longer effective well life.
4. The wrapping wire having a wedge profile with flat surface on the outside and producing expanding slots on the inside. This shape must facilitate jetting and back washing operation and also avoids the screens being clogged by fine particles.
5. The number and cross section of the vertical support rods and the size of wrapping wire shall be such as to give specified tensile strength.
6. Each intersection of the wrapping profile wire and support rods will be fusion welded by Electrical Resistance Welding process to impart sufficient joint strength at each joint to sustain development pressure.
7. Since the quality and consistence of screen strength depends upon control of manufacturing process, all the process parameters shall be automatically controlled to

ensure quality and consistency of strength as per IS clause no. 8.3.1.10. Manufacturer must ensure it.

8. Open area of the screen must be designed such that the entrance velocity is less than 0.03 meter per second as per IS:8110 and water enters the well more easily and less energy needed to pump the water.
9. A Stainless Steel Ring/Flange/Packer as per specifications AISI Grade SS-304 should be welded on both side of the screen such that it should not affect the total tensile strength.
10. Ring should be of 150mm in length with 8 TPI for V form screwed and socketed screen threads and 4 TPI for screwed flush butt joint with square threads and threaded portion of the ring will be 63.5mm in length and threading as per IS: 4270-1992 (latest amendments). In case of square threading, the ring thickness shall be 8.00 mm.
11. Socket will be made of Stainless Steel Plate and comply with requirements of chemical composition as given in AISI Grade SS-304 with latest amendments. Length of each socket should be 140mm and thickness of socket should be 8 mm suitable to accommodate on screen end ring without leakage.
12. Effective length of screen with ring 1.50mtr., 2.0mtr., 3.0mtr., 4.0mtr., 6.0mtr. without any circumferential joints in screen section.
13. Screen will have 'V' shaped inwardly widening slots and available slot width in mm to be 0.15, 0.20, 0.25, 0.50, 0.75, 1.0, 1.50, 2.0, 3.0 . Screen sizes and corresponding thickness and end ring thickness are given in the schedule.
14. In case of packer screen, all screen should be supplied with top end fitted with rubber packer steel end ring and closed at the bottom by flat screen of the same design and slot opening fitted with steel ring.
15. Inspection and testing will be done as per IS: 8110-2000 or latest, 6911-1992 or latest, 4270-2001 or latest and test of screen and composition of material specifications shall be as per AISI Grade SS-304
16. TOLERANCES
All tolerance should be in accordance to IS: 8110-2000, AISI 304, IS: 4270-1992.

III. M1103003001 to M1103003003

ISI marked Electric Resistance Welded (ERW) Stainless Steel Socket Packer Cage Type "V" wire wound screen jacket as per IS: 8110-2000 and material specifications as per AISI (American Iron and Steel Inst) Type Grades SS-304. Screen will be of continuous trapezoidal wire spirally wound around fabricated cage. The wrapping wire having a "V" shaped (Wedge) profile wire with flat surface on the outside and producing expanding slots on the inside of various dimensions. Resistance welded to cylindrical body made of number of longitudinal special high tensile support rods to provide smooth unrestricted bore which are in turn welded into cylindrical ring couplings at either end.

1. Stainless Steel end ring will be as per AISI Grade SS 304.
2. The Screen will be closed at the bottom by flat screen of the same design and slot opening fitted with stainless steel ring.
3. Top end of the screen will be like bottleneck duly threaded to screwed with India mark Hand Pump Cylinder .
4. Effective length of each jacket shall be in the length of 1.5mtr, 2.0 mtr., 3.0mtr., 4.0mtr., without any circumferential joints in screen section.
5. The 'V' shape inwardly widening slot will be of non-clogging so that sediment has only point contact with should give longer effective well life.
6. Screen will have 'V' shaped inwardly widening slots and available slot width in mm to be 0.15, 0.20, 0.25, 0.50,0.75, 1.0, 1.50, 2.0, 3.0.
7. TOLERANCES
All tolerance should be in accordance to IS: 8110-2000, AISI 304, IS: 4270-1992.
8. TEST

Test, re-test & inspection procedures shall be in accordance to IS: 8110-2000.

IV. M1103004001 to M1103004007

ISI marked Electric Resistance Welded (ERW) Stainless Steel Socket packer Cage Type "V" wire wound screen pump guard jacket as per IS: 8110-2000 and material specifications as per AISI (American Iron and Steel Inst) Type Grades SS-304. Screen will be of continuous trapezoidal wire spirally wound around fabricated cage. The wrapping wire having a "V" shaped (Wedge) profile wire with flat surface on the outside and producing expanding slots on the inside of various dimensions. Resistance welded to cylindrical body made of number of longitudinal special high tensile support rods to provide smooth unrestricted bore which are in turn welded into cylindrical ring couplings at either end.

1. Top end of the screen should be screwed with threaded coupling neck having hole suitable to pass delivery pipe of pump with complete accessory of self sealing kit so that after installation no leakage will be found from the upper portion of the jacket.
2. Stainless Steel end ring should be as per AISI Grade SS 304.
3. The Screen will be closed at the bottom by flat screen of the same design and slot opening fitted with stainless steel ring.
4. Effective length of each jacket shall be in the length of 1.0mtr, 1.50mtr. 2.0mtr. 2.5mtr. 3.0mtr. 4.0mtr without any circumferential joints in screen section.
5. Screen should have evenly distributed slot opening so that it is having minimum turbulence and loss of energy.
6. The 'V' shape inwardly widening slot should be of non-clogging so that sediment has only point contact with should give longer effective well life.
7. Screen should have 'V' shaped inwardly widening slots and available slot width in mm to be 0.15, 0.20, 0.25, 0.50, 0.75, 1.0, 1.50, 2.0, 3.0.
8. TOLERANCES

All tolerance should be in accordance to IS: 8110-2000, AISI 304, IS: 4270-1992.

9. TEST

Test, re-test & inspection procedures shall be in accordance to IS: 8110-2000.

V. M1103005001 to M1103005099 and M1103006001 M1103006005

ISI marked Electric Resistance Welded (ERW) Low Carbon Galvanized Cage Type "V" wire wound screens as per IS: 8110-2000 and material specifications as per 280-1978. Screen shall be of continuous trapezoidal wire spirally wound around fabricated cage. The wrapping wire having a "V" shaped (Wedge) profile wire with flat surface on the outside and producing expanding slots on the inside of various dimensions, resistance welded to cylindrical body made of number of longitudinal special high tensile support rods to provide smooth unrestricted bore which are in turn welded into cylindrical ring couplings at either end duly screwed end ring /flange/packer as requirement for all nominal bore given screen size.

1. A Mild Steel Ring/Flange/Packer as per 4270 grade Fe 410 shall be welded on both side of the screen such that it shall not affect the total tensile strength.
2. Ring should be of 150mm length with 8tpi thread and threaded portion of the ring shall be 63.5mm in length and threading as per IS: 4270-1992 latest
3. Socket should be made of Stainless Steel Plate and should comply with requirements of chemical composition as given in 4270-1992 with latest amendments. Length of each socket should be 140mm and thickness of socket should be 10mm suitable to accommodate on screen end ring.
4. In case of packer screen, all screen should be applied with top end fitted with rubber packer steel end ring and closed at the bottom by flat screen of the same design and slot opening fitted with steel ring.

5. The 'V' shape inwardly widening slot should be of non-clogging so that sediment has only point contact with should give longer effective well life.
6. The number and cross section of the vertical support rods and the size of wrapping wire shall be such as to give specified tensile strength.
7. Effective length of screen with ring 1.50mtr., 2.0mtr., 3.0mtr., 4.0mtr., 6.0mtr.without any circumferential joints in screen section.
8. Screen should have 'V' shaped inwardly widening slots and available slot width in mm to be 0.15, 0.20, 0.25, 0.50, 0.75, 1.0, 1.50, 2.0, and 3.0 for the following screen sizes thickness given below.
9. Slot should be smooth, clean edges rounded off.
10. Screen must have evenly distributed slot opening so that it is having minimum turbulence and loss of energy.
11. Open area of the screen must be given such that the entrance velocity is less than 0.03 meter per second per IS: 8110 and water enters the well more easily and less energy needed to pump the water.
12. TOLERANCES
All tolerance should be in accordance to IS: 8110-2000, AISI 304, IS:4270-1992.
13. TEST
Test, re-test & inspection procedures shall be in accordance to IS: 8110-2000.

TERMS AND CONDITIONS:-

1. The above rates are F.O.R. destination in Himachal Pradesh F.O.R. for Kinnaur, Lahaul & Spiti and Pangi is upto Reckong Peo, Manali & Chamba respectively.
2. 100% payment will be made within 21 days against physical delivery of inspected/accepted stores duly supported with satisfactory inspection note and after receipt of correct goods at consignees site/destination.
3. The goods will be inspected before dispatch by the consignee or his authorised representative and the inspecting officer will in his inspection note certify that the same are confirming to the specifications/test report submitted alongwith the tender.
4. For the ISI marked products, the consignee must ensure that the supplies are manufactured as per ISI specifications and are duly ISI marked.
5. The delivery of the material will be made within 45 days from the date of receipt of supply order.
6. The VAT will be charged extra as and if applicable.
7. The Excise Duty is nil/NA (Excise duty is not to be paid extra).
8. The above rates have been approved keeping in view the fact that a unit is a small scale industrial unit and as such the material supplied shall be manufactured in the unit itself and not arranged from outside Himachal Pradesh or any other source otherwise it will constitute a breach of rate contract.
9. The other conditions as mentioned in the enclosed Schedule "C".

Sd-
Addl. Controller of Stores,
Himachal Pradesh.

